

G.NARAYANAMMA INSTITUTE OF TECHNOLOGY & SCIENCE(FOR WOMEN)
SELF ASSESSMENT REPORT(TIER - I) FOR Electronics & Telematics Engg.

Part A : Institutional Information

1 Name and Address of the Institution

G.NARAYANAMMA INSTITUTE OF TECHNOLOGY & SCIENCE(FOR WOMEN),
SHIKPET,HYDERABAD

2 Name and Address of Affiliating University

3 Year of establishment of the Institution:

1997

4 Type of the Institution:

- | | |
|--|---|
| <input type="radio"/> Institute of National Infortance | <input checked="" type="radio"/> Autonomous |
| <input type="radio"/> University | <input type="radio"/> Any other(please specify) |
| <input type="radio"/> Deemed University | |

5 Ownership Status:

- | | |
|---|--|
| <input type="radio"/> Central Government | <input checked="" type="checkbox"/> Trust |
| <input type="radio"/> State Government | <input type="checkbox"/> Society |
| <input type="radio"/> Government Aided | <input type="checkbox"/> Section 25 Company |
| <input checked="" type="radio"/> Self financing | <input type="checkbox"/> Any Other(Please Specify) |

6 Other Academic Institutions of the Trust/Society/Company etc., if any

Name of Institutions	Year of Establishment	Programs of Study	Location
G.Pulla Reddy Engineering	1984	UG (B.Tech Civil, Mech, EE	Kurnool, Andhra Pradesh
The School of Innovation ar	2022	PGDM in Business Analytic	Hyderabad, Telangana Stat
G.Pulla Reddy Pharmacy C	1994	B.Pharmacy, Pharm.D, M.F	Hyderabad, Telangana Stat
G.Pulla Reddy Dental Colle	2006	BDS, MDS	Kurnool, Andhra Pradesh
G.Pulla Reddy Degree & P.I	1994	UG (B.Sc, B.Com, BBA), P	Hyderabad, Telangana Stat

7 Details of all the programs being offered by the Institution under consideration:

Name of Program	Program Applied level	Start of year	Year of AICTE approval	Initial Intake	Intake Increase	Current Intake	Accreditation status	From	To	Program for consideration	Program for Duration
M.Tech (Wireless and Mobile Communications)	PG	2012	2012	18	Yes	12	Not eligible for accreditation	--	--	No	2

Sanctioned Intake for Last Five Years for the M.Tech (Wireless and Mobile Communications)

Academic Year	Sanctioned Intake
2023-24	12
2022-23	12
2021-22	18
2020-21	18
2019-20	18
2018-19	18

B.Tech	UG	1999	1999	30	Yes	64	Granted accreditation for 3 years for the period (specify period)	2007	2010	Yes	4
--------	----	------	------	----	-----	----	---	------	------	-----	---

Sanctioned Intake for Last Five Years for the B.Tech

Academic Year	Sanctioned Intake
2023-24	64
2022-23	64
2021-22	65
2020-21	60
2019-20	60
2018-19	60

8 Programs to be considered for Accreditation vide this application:

S No	Level	Discipline	Program
1	Under Graduate	Engineering & Technology	Computer Science & Engg.
2	Under Graduate	Engineering & Technology	Electronics & Communication Engg.
3	Under Graduate	Engineering & Technology	Electronics & Telematics Engg.
4	Under Graduate	Engineering & Technology	Information Technology
5	Under Graduate	Engineering & Technology	Electrical and Electronics Engineering

9 Total number of employees

A. Regular* Employees (Faculty and Staff):

Items	2023-24		2022-23		2021-22	
	MIN	MAX	MIN	MAX	MIN	MAX
Faculty in Engineering (Male)	57	61	57	61	54	59
Faculty in Engineering (Female)	124	129	113	124	101	114
Faculty in Maths, Science & Humanities teaching in engineering program (Male)	10	13	10	11	11	12
Faculty in Maths, Science & Humanities teaching in engineering program (Female)	37	42	36	38	31	36
Non-teaching staff (Male)	37	40	32	36	31	33
Non-teaching staff (Female)	50	55	43	48	37	44

B. Contractual* Employees (Faculty and Staff):

Items	2023-24		2022-23		2021-22	
	MIN	MAX	MIN	MAX	MIN	MAX
Faculty in Engineering (Male)						
Faculty in Engineering (Female)						
Faculty in Maths, Science & Humanities teaching in engineering Programs (Male)						
Faculty in Maths, Science & Humanities teaching in engineering Programs (Female)						
Non-teaching staff (Male)						
Non-teaching staff (Female)						

10 Total number of Engineering students:

Engineering and Technology- UG	<input checked="" type="checkbox"/> Shift1	<input type="checkbox"/> Shift2
Engineering and Technology- PG	<input checked="" type="checkbox"/> Shift1	<input type="checkbox"/> Shift2
Engineering and Technology- Polytechnic	<input type="checkbox"/> Shift1	<input type="checkbox"/> Shift2
MBA	<input type="checkbox"/> Shift1	<input type="checkbox"/> Shift2
MCA	<input type="checkbox"/> Shift1	<input type="checkbox"/> Shift2

Engineering and Technology- UG Shift-1

Course Name	2023-24	2022-23	2021-22
Total no. of Boys	0	0	0
Total no. of Girls	3821	3495	3251
Total	3821	3495	3251

Engineering and Technology- PG Shift-1

Course Name	2023-24	2022-23	2021-22
Total no. of Boys	0	0	0
Total no. of Girls	56	54	81
Total	56	54	81

11 Vision of the Institution:

To become a center of quality education in Engineering and Technology for women empowerment.

12 Mission of the Institution:

To fulfill the academic aspirations of women engineers for enhancing their intellectual capabilities and technical competency.

To Leverage Leading – Edge Technologies and cultivate exemplary work culture.

To facilitate success in their desired career in the field of engineering to build a progressive nation

13 Contact Information of the Head of the Institution and NBA coordinator, if designated:

Head of the Institution	
Name	Dr.K.Ramesh Reddy
Designation	PRINCIPAL
Mobile No.	9849422460
Email ID	principal@gnits.ac.in
<input checked="" type="checkbox"/> NBA Coordinator, If Designated	
Name	Dr.K.Rama Linga Reddy
Designation	Professor & Dean Academics
Mobile No.	9391045077
Email ID	kattareddy2000@yahoo.com

PART B: Criteria Summary

Criteria No.	Criteria	Total Marks	Institute Marks
1	VISION, MISSION AND PROGRAM EDUCATIONAL OBJECTIVES	50	50.00
2	PROGRAM CURRICULUM AND TEACHING - LEARNING PROCESSES	100	100.00
3	COURSE OUTCOMES AND PROGRAM OUTCOMES	175	175.00
4	STUDENTS' PERFORMANCE	100	81.97
5	FACULTY INFORMATION AND CONTRIBUTIONS	200	173.88
6	FACILITIES AND TECHNICAL SUPPORT	80	80.00
7	CONTINUOUS IMPROVEMENT	75	75.00
8	FIRST YEAR ACADEMICS	50	46.52
9	STUDENT SUPPORT SYSTEMS	50	50.00
10	GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES	120	120.00
	Total	1000	953

Part B : Criteria Summary

1 VISION, MISSION AND PROGRAM EDUCATIONAL OBJECTIVES (50) Total Marks 50.00

1.1 State the Vision and Mission of the Department and Institute (5) Total Marks 5.00

Institute Marks : 5.00

Vision of the institute	To become a center of quality education in Engineering and Technology for women empowerment.										
Mission of the institute	To fulfill the academic aspirations of women engineers for enhancing their intellectual capabilities and technical competency. To Leverage Leading – Edge Technologies and cultivate exemplary work culture. To facilitate success in their desired career in the field of engineering to build a progressive nation										
Vision of the Department	Imparting quality technical education in the field of Electronics and Telematics Engineering for women empowerment.										
Mission of the Department	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Mission No.</th> <th>Mission Statements</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>To emerge as a Centre of Academic Excellence in Electronics and Telematics Engineering to face the challenges in the field of information and communication technologies .</td> </tr> <tr> <td>M2</td> <td>To create the Educational Environment which enables the students for life long learning.</td> </tr> <tr> <td>M3</td> <td>Imparting value based education for women empowerment.</td> </tr> </tbody> </table>	Mission No.	Mission Statements	M1	To emerge as a Centre of Academic Excellence in Electronics and Telematics Engineering to face the challenges in the field of information and communication technologies .	M2	To create the Educational Environment which enables the students for life long learning.	M3	Imparting value based education for women empowerment.		
Mission No.	Mission Statements										
M1	To emerge as a Centre of Academic Excellence in Electronics and Telematics Engineering to face the challenges in the field of information and communication technologies .										
M2	To create the Educational Environment which enables the students for life long learning.										
M3	Imparting value based education for women empowerment.										

1.2 State the Program Educational Objectives (PEOs) (5) Total Marks 5.00

Institute Marks : 5.00

PEO No.	Program Educational Objectives Statements			
PEO1	Graduates will excel in professional careers in Industry and academics that full fill the needs of Information and Communication Technology (ICT).			
PEO2	Graduates will be able to work with advanced technologies relevant to Electronics and Telematics Engineering.			
PEO3	Graduates will be able to work in diversified teams of multidisciplinary environment to gain engineering breadth.			
PEO4	Graduates will exhibit all-round education that includes communication skills, ability to work well in a team, an awareness of ethical values and to engage in lifelong learning.			

1.3 Indicate where the Vision, Mission and PEOs are published and disseminated among stakeholders (15)

Total Marks 15.00

Department Vision, Mission are

Published in	Disseminated through	Displayed at
<ul style="list-style-type: none"> • Institute Website(https://www.gnits.ac.in/vision-mission-pos-3/) • Department magazine • Course Files • Lab Records • Lab Manuals • Syllabus Book 	<ul style="list-style-type: none"> • Faculty Development Programs • Seminars • Workshops • Alumni Meetings • Parents Teacher Meeting • First Year orientation program • Meeting with HRs during placement drives • Department association activities 	<ul style="list-style-type: none"> • HOD Chamber • Classrooms • Laboratories • Notice Boards of the department • Department Library • Department corridor • Department Staff Rooms • Other prominent places

Department PEOs are

Published in	Disseminated through	Displayed at
<ul style="list-style-type: none"> • Institute Website (https://www.gnits.ac.in/vision-mission-pos-3/) • Department magazine • Course Files • Lab Manuals 	<ul style="list-style-type: none"> • Faculty Development Programs • Seminars • Workshops • Alumni Meetings • Parents Teacher Meeting • First Year orientation program • Meeting with HRs during placement drives • Department association activities 	<ul style="list-style-type: none"> • HOD Chamber • Classrooms • Laboratories • Notice Boards of the department • Department Library • Department corridor • Department Staff Rooms • Other prominent places

A. The Vision, Mission, PEOs are published and disseminated at the following places

Following are images which shows the display of vision, mission and PEO at different places



Figure B.1.3.a: Vision, Mission and PEOs display at HOD Chamber



Figure B.1.3.b: Vision, Mission and PEOs display at Classroom.



Figure B.1.3.c: Vision, Mission and PEOs display at Laboratory



Figure B.1.3. d: Vision, Mission and PEOs display at Notice Boards of the department



Figure B.1.3 e : Vision, Mission and PEOs display at Department Library



Figure B.1.3.f: Vision, Mission and PEOs display at Department Corridor



Figure B.1.3.g: Vision, Mission, PEOs display at Department Staff Rooms

Following are images which shows the publications of vision, mission & PEOs

G. Narayana Institute of Technology Science (for Women)
Autonomous
Shalipet, Hyderabad-500104
Viswa & Mission-POs
Electronics & Telecommunication Engineering

VISION

Inspiring quality technical education in the field of Electronics and Telecommunication Engineering for women empowerment.

MISSION

To emerge as a Centre of Academic Excellence in Electronics and Telecommunication Engineering to face the challenges in the field of information and communication technologies.
To create the Educational Environment which enables the students for lifelong learning.
Inspiring value based education for women empowerment.

Program Educational Objectives (PEO's) – B.Tech (ETM)

1. Graduates will excel in professional careers in industry and academia that fulfil the needs of Information and Communication Technology (ICT)
2. Graduates will be able to work with advanced technologies relevant to Electronics and Telecommunication Engineering.
3. Graduates will be able to work in diversified teams of multidisciplinary environment to gain maximum benefits.
4. Graduates will exhibit all-round education that includes communication skills, ability to work well in a team, an awareness of ethical values and to engage in lifelong learning.

Program Educational Objectives (PEO's) – M.Tech (WMC)

1. Apply Wireless and mobile communication concepts to solve the real world problems in industry, academia and research.
2. Exhibit Professional competence and leadership with human values and ethics leading to an integrated personality development.
3. Innovate and Contribute in diverse areas including RF, Signal Processing and Computational Engineering.
4. Adapt to Technical changes through lifelong learning for global acceptance.

Program Outcomes (PO's) – M.Tech (WMC)

- PO1:** An ability to independently carry out research/investigation and development work to solve practical problems.
- PO2:** An ability to write and present a substantial technical report/document.
- PO3:** Students should be able to demonstrate a degree of mastery over the area as per the specialization of the program. The mastery should be at a level higher than the requirements in the appropriate bachelor program.
- PO4:** An ability to work in a team to take up the projects in domain specific and multidisciplinary areas with due consideration to societal, environmental, economical and financial factors.
- PO5:** An ability to maintain lifelong learning and research by way of participating in various professional activities with a higher level of commitment.

Figure B.1.3.h: Vision, Mission and PEOs Published in Course files

G. Narayanaswami Institute of Technology Science (For Women)
Autonomous
Shakirpet, Hyderabad-500104
Electronics & Teleomatic Engineering

VISION

Imparting quality technical education in the field of Electronics and Teleomatic Engineering for women empowerment.

MISSION

To emerge as a Centre of Academic Excellence in Electronics and Teleomatic Engineering to face the challenges in the field of information and communication technologies.

To create the Educational Environment which enables the students for lifelong learning.
Imparting value based education for women empowerment.

Program Educational Objectives (PEO's)

1. Graduates will excel in professional careers in industry and academia that fulfil the needs of Information and Communication Technology (ICT)
2. Graduates will be able to work with advanced technologies relevant to Electronics and Teleomatic Engineering.
3. Graduates will be able to work in diversified teams of multidisciplinary environment to gain engineering benefits.
4. Graduates will exhibit all-round education that includes communication skills, ability to work well in a team, an awareness of ethical values and to engage in lifelong learning.

Figure B.1.3.i: Vision, Mission and PEOs published in Lab Manuals

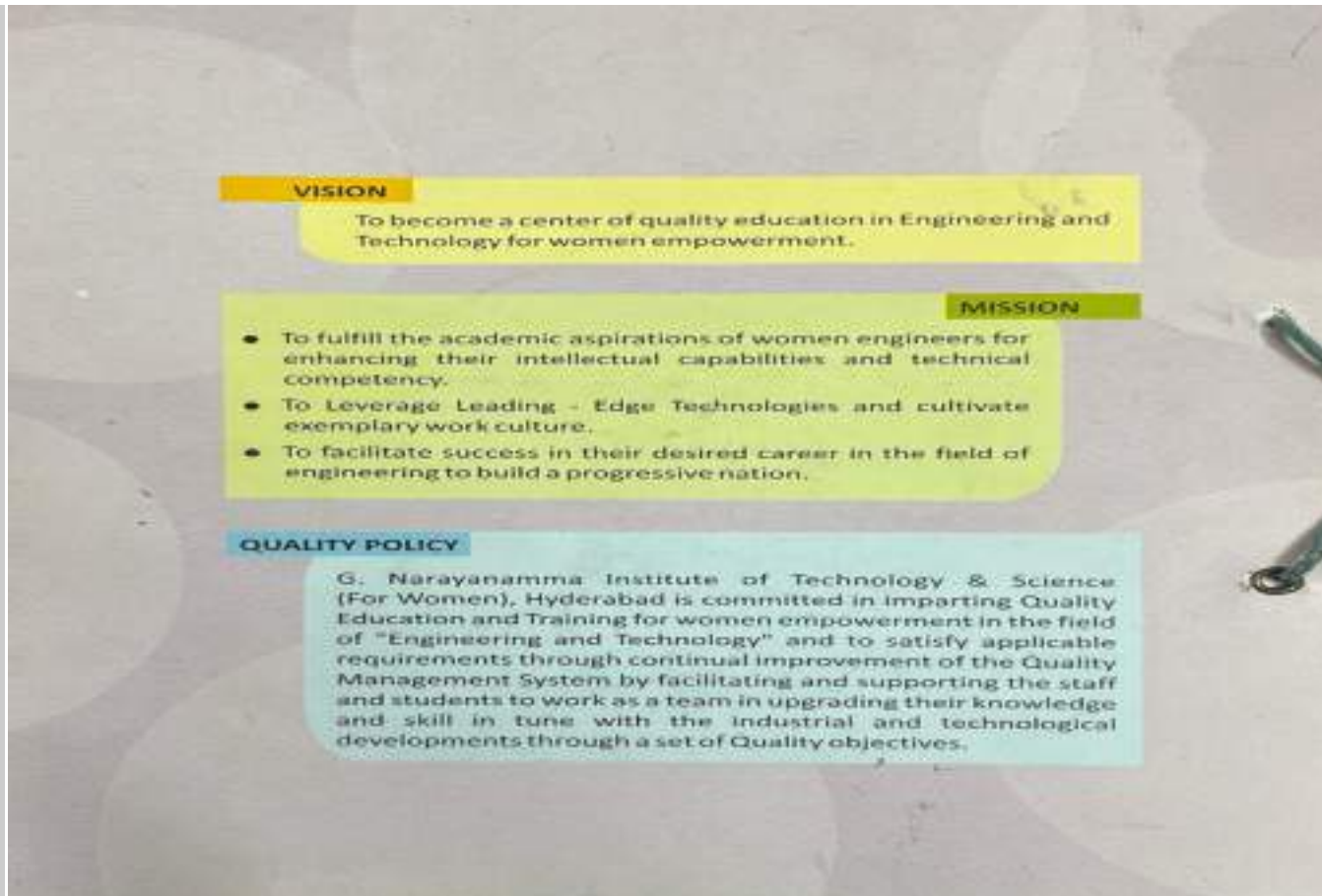


Figure B.1.3.j: Vision, Mission and PEOs Published on Lab Record

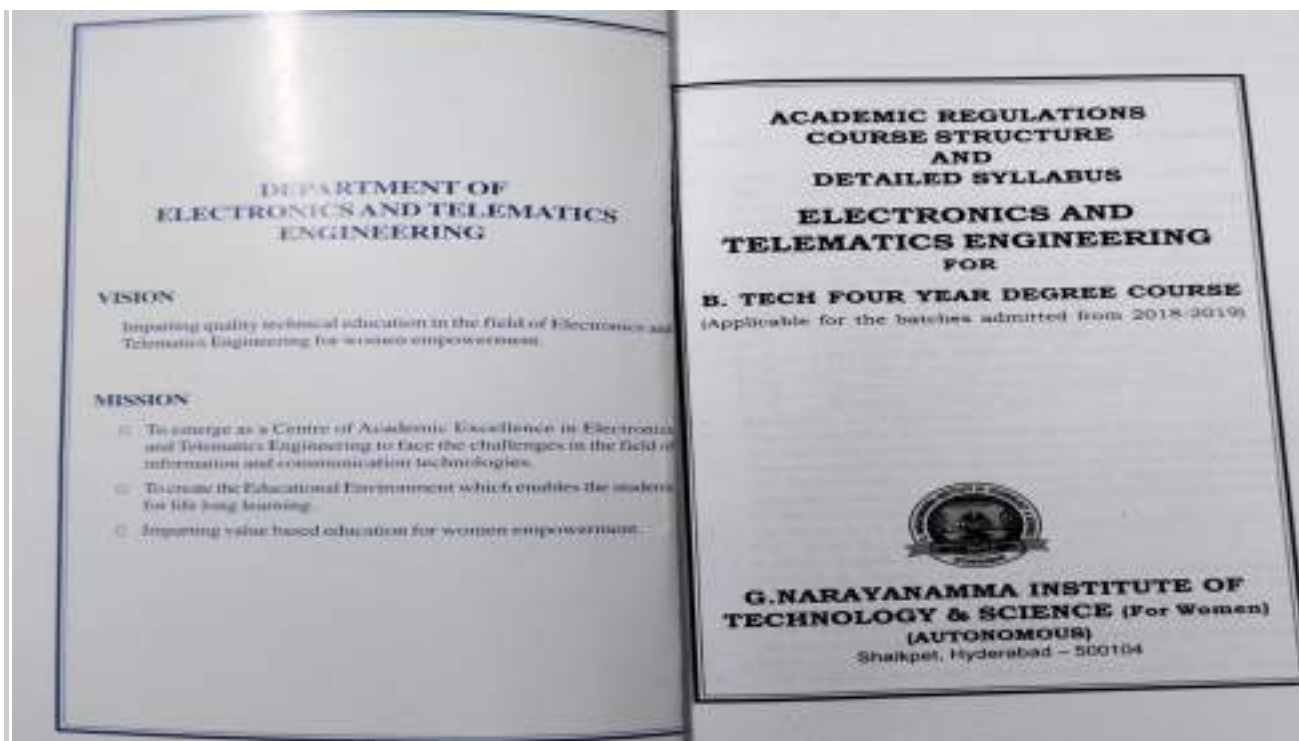


Figure: B.1.3.k: Vision, Mission published in Syllabus Book

B. Direct Communication:

Vision, Mission and PEOs of the Department are conveyed to stakeholders as follows:

- Special sessions are organized before starting of the academic year, where faculty members and Lab staff are enlightened with the Vision and Mission.
- Communicated to the newly admitted students and the parents through orientation and induction program.
- Communicated to Alumni during Alumni Interactions.
- The statements are communicated to the industry/employers through presentations during industrial visits and other industry-institute interactions.
- Additionally, disseminated to various stakeholders of the program in the meetings of faculty members, Program Assessment Committee (PAC) and Department Advisory Committee (DAC), Board of Studies (BOS).
- All surveys.
- College Magazines.

C. Extent of awareness of the Vision, Mission and PEOs among the stake holders are made aware as follows:

- Vision, Mission and PEOs are Explained to Parents during the PT meeting and Industrial people are conveyed through event brochures.
- Vision, Mission and PEOs are disseminated during the meetings such as Programme Advisory Committee Meeting, Board of Studies Meeting. The significance of awareness about the vision, mission, and PEO was evaluated based on internal and external stakeholders feedback ratings. The awareness rating on the dissemination of the statement is given in Table.

After conducting meeting with stake holders, feedback is collected with respect to awareness of PEOs and tabulated as follows.

Table B.1.3.a: Feedback on awareness of PEOs

PEOs	Alumni	Industry	Faculty	Students	Parents
PEO-1 Information and Communication Technology	94%	92%	98%	89%	93%
PEO-2 Advanced Technologies	94%	95%	97%	89%	95%
PEO-3 Multidisciplinary Environment	96%	96%	98%	87%	95%
PEO-4 Lifelong Learning	95%	94%	99%	89%	94%

After conducting meeting with stakeholders, feedback is collected with respect to awareness of Vision, Mission and tabulated as follows.

Table B.1.3.b: Feedback on awareness of Vision and Mission of ETE department

Vision & Mission	Alumni	Industry	Faculty	Students	Parents
Vision	95%	93%	99%	90%	94%
M1	95%	94%	98%	88%	95%
M2	97%	96%	100%	89%	93%
M3	96%	95%	99%	91%	94%

1.4 State the process for defining the Vision and Mission of the Department, and PEOs of the program (15)

Total Marks 15.00

A. Process for defining the Vision and Mission of the Department:

The process for defining the Vision and Mission of the Department of Electronics and Telematics Engineering involves active engagement of all stakeholders, aligning with the overall Vision and Mission of the Institute and considering future departmental scope and societal needs, as illustrated in Figure 1.4.a and steps are as follows

Step 1:

Initial Meeting: All department stakeholders convene for a preliminary discussion where their input on academic/teaching, research, industry-academia collaboration, societal concerns, and environmental factors is gathered by the Program Advisory Committee (PAC).

Step 2:

Drafting: Subsequently, the PAC formulates a preliminary version of the Vision and Mission in accordance with the overarching goals of the institute.

Step 3:

Refinement: The Department Advisory Committee (DAC) then reviews the preliminary draft, making necessary revisions to shape the final Vision and Mission statements, which is later refined with the consensus of the majority stakeholders.

Step 4:

Iteration: If the initial Vision and Mission statements do not meet the satisfaction of the DAC, the process is repeated through iterative steps.

Step 5:

Approval and Dissemination: Once a satisfactory version is reached, the final Vision and Mission statements undergoes approval by the Governing Council before being officially published and distributed to both internal and external stakeholders.

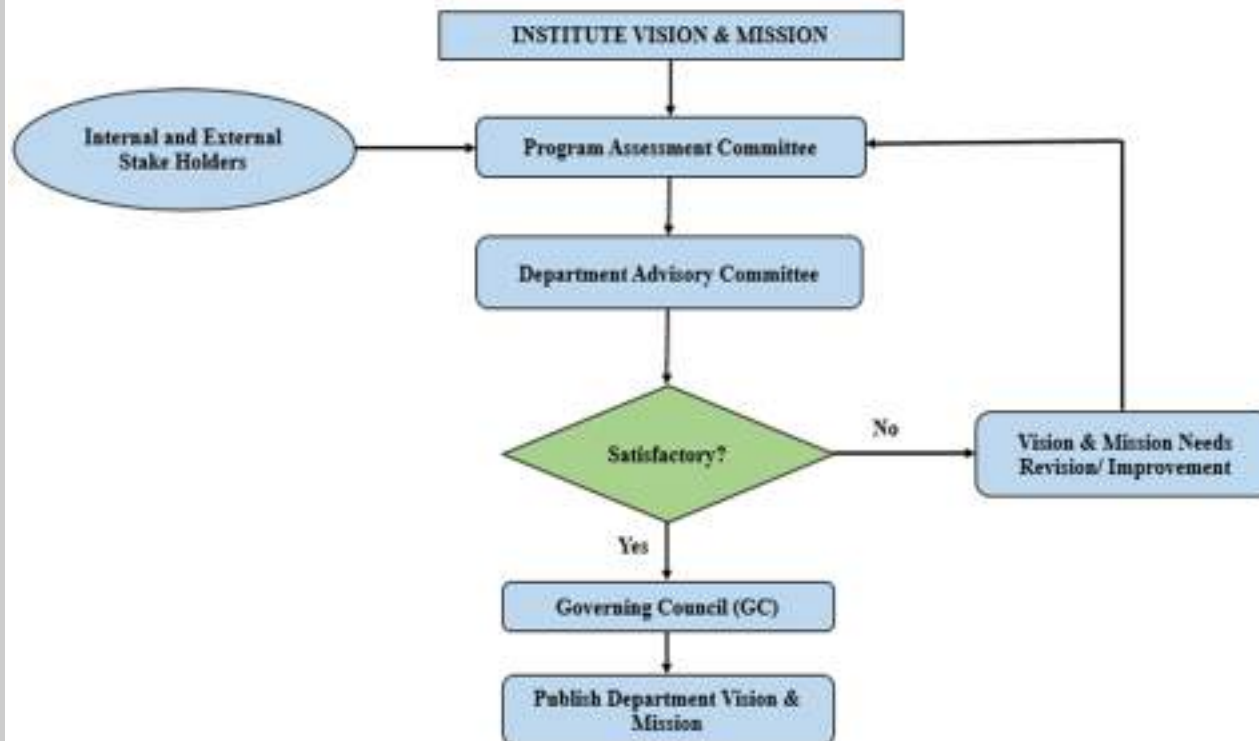


Figure B.1.4.a: Flowchart of defining department Vision and Mission

B.The process for establishing PEOs:

The Program Educational Objectives are statements that describe the expected accomplishments of graduates of the B.Tech program, within a period of 3 years after graduation. These objectives reflect the aspirations of the department and are designed to meet the needs of various stakeholders, including students, employers, and the broader community.

They are established through the following process as shown in the Figure 1.4.b:

Step 1:

Initial Meeting: All stakeholders of ETE department convene for a preliminary discussion where their input on academic/teaching, research, industry-academia collaboration, societal concerns, and environmental factors is gathered by the Program Advisory Committee (PAC).

Step 2:

Drafting: Subsequently, the PAC formulates a preliminary version of the Program Educational Objectives (PEOs) in accordance with the overarching goals of the Vision, Mission of department and Institute.

Step 3:

Refinement: The Department Advisory Committee (DAC) then reviews the preliminary draft, making necessary revisions to shape the final PEOs statements, which is later, refined with the consensus of the majority stakeholders.

Step 4:

Iteration: If the initial PEOs statements do not meet the satisfaction of the DAC, the process is repeated through iterative steps.

Step 5:

Approval and Dissemination: Once a satisfactory version is reached, the final version of PEOs statements undergoes approval by the Governing Council before being officially published and distributed to both internal and external stakeholders.

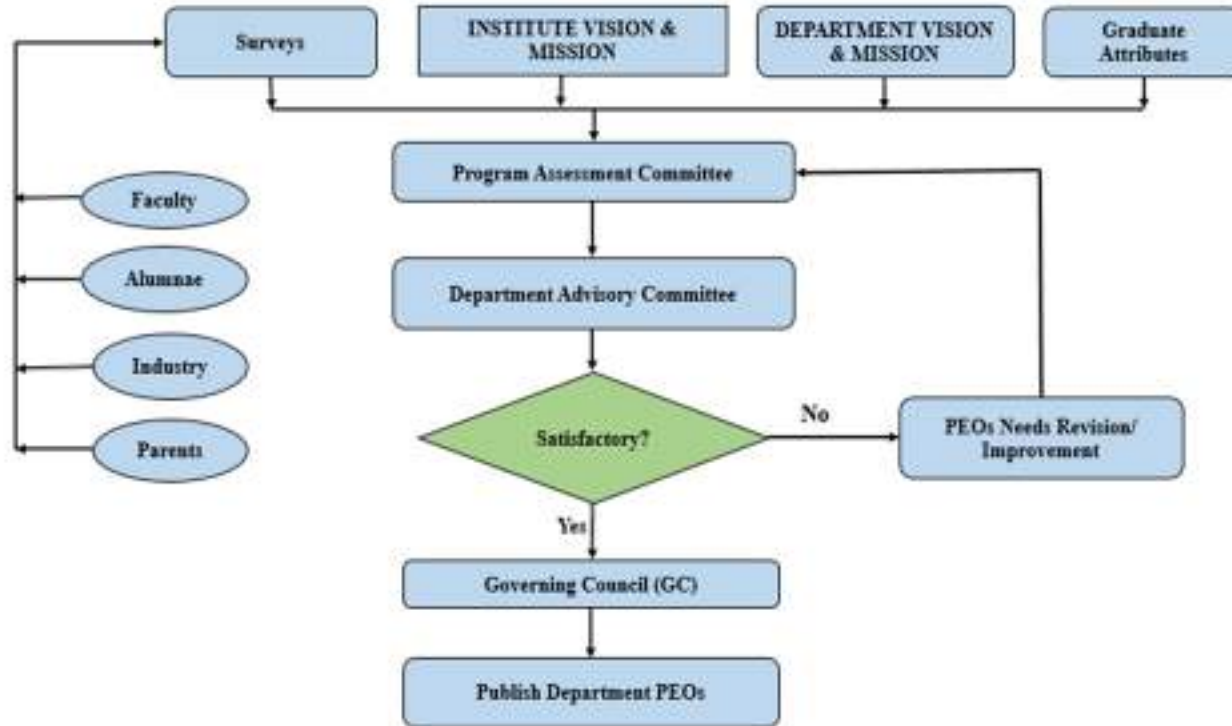


Figure B.1.4.b: Flowchart of defining PEO's

The following administrative setup is put in place to ensure the attainment of COs and POs

1. Course Coordinator
2. Module Coordinator
3. Program Coordinator
4. Program assessment committee
5. Department advisory Committee

The following are the responsibilities of different coordinators.

◦ **Course Coordinator**

The faculty member who teaches the course will be the course coordinator and the functions are:

- Maintain or improve academic quality of course in consultation with HOD.
- Monitor and reviews the activities related to attainment of course outcomes.
- Prepare Course Objectives in consultation with module coordinator.
- Responsible for any other matter related to the course assigned.
- Assigns Blooms Taxonomy (BT) levels for the mid exam question papers.

• **Module Coordinator**

The faculty member who monitors the quality of module (group of similar courses related to particular domain) and the functions are:

- Coordinates and supervise the faculty teaching the particular course in the module.
- Responsible for assessment of the course outcomes.
- Recommends and facilitates workshops, faculty development programs, meetings or conferences to meet the course outcomes.
- Analyses results of particular course and recommends the Program coordinator to take appropriate action.
- Liaise with students, faculty, program coordinator to determine priorities and policies.
- Monitor the quality of mid exam question papers and give suggestions.

• **Program Coordinator**

The faculty member who coordinates the program and usually head of the department. The functions are:

- Interacts and maintains liaison with key stakeholders, students, faculty and employer.
- Monitor and reviews the activities of each year in program independently with course Coordinators.
- Schedules program work plan in accordance with specifications of program objectives and outcomes.
- Oversees daily operations and coordinates activities of program with interrelated activities of other programs, departments or staff to ensure optimum efficiency and compliance with appropriate policies, procedures and specifications.
- Conducts and interprets various surveys required to assess POs and PEOs.

• **Program assessment committee**

Program Assessment Committee consists of Program Coordinator/HoD and Module Coordinators.

Program Assessment Committee (PAC) - Functions and responsibilities

- To monitor and asses the COPO mapping and then CO, PO and PSO attainment.
- Planning, Implementation, scheduling and monitoring the program activities for attainment of POs and PSOs and taking corrective measures and preparing report for the same.
- Planning the curricular and co-curricular activities in accordance with PO/PSO and PEOs.
- Review of CIE marks and faculty feedback.
- Review the quality of CIE question paper.
- Verification of Faculty Dairy including Attendance Entry, syllabus Coverage, CIE and SEE Marks.
- Monitoring of Course plan and delivery.
- Monitors faculty and students towards attending FDPs, workshops, seminars, conference, hackathon etc.

- Identification of Slow Learners and Fast learners and necessary actions.
- Collect feedback from all the stakeholders viz. the students, staff, parents, Industry experts, academic peers etc. regarding the course requirements, emerging trends and the corrections needed in the existing academic system.
- Drafting of Vision, Mission and PEO statements of the department based on views of stakeholders.
- PAC meets once in 6 months to review the program activities and submits report to Department Advisory Committee.

• **Department Advisory Committee**

This is the apex body of the department which strategizes and steers all the it's activities leading to its overall and holistic growth. DAC is core committee of the department constituted to help the decision making process of the matters pertaining to the department. DAC consists of head of the department (program coordinator), senior faculty of department and the representatives of key stakeholders.

Department Advisory Committee - Functions and responsibilities:

- Review the report of the Program Assessment Committee and monitors the progress of the program.
- Identification of curricular gaps by analyzing PO & PSO attainments.
- Review and analyses on the gap between curriculum and Industry requirement and gives necessary feedback or advice.
- Review of budget and its utilizations.
- Review of additional infrastructural facilities required for strengthening the department.
- The Committee interacts and maintains liaison with key stakeholders.
- Provide guidelines to organize FDPs, workshops, seminar and conferences etc.
- Discussion on Industry visits.
- Review and analyze SEE results.
- Review on research proposals applied to different funding agencies, research publications and patents.
- Review on achievements of faculty and students.
- Review on student's placements, higher studies and entrepreneurship.
- After receiving the inputs/draft of Vision, Mission and PEOs from PAC, the DAC incorporates necessary changes in the document and places before Governing Council for approval.
- Submission of report to the IQAC in the prescribed format.
- DAC meets at least once in a year to review the programs.

1.5 Establish consistency of PEOs with Mission of the Department (10)

Total Marks 10.00

Establish consistency of PEOs with Mission of the Department:

A. Preparation of matrix of PEOs and Elements of Mission Statement

Mission of the Department:

M1. To emerge as a Centre of Academic Excellence in Electronics and Telematics Engineering to face the challenges in the field of information and communication technologies.

KEYWORDS: **m1: Academic Excellence**

m2: Information and Communication Technologies

M2. To create the Educational Environment which enables the students for life long learning.

KEYWORDS: **m3: Life Long Learning**

M3. Imparting value based education for women empowerment.

KEYWORDS: **m4: Value Based Education**

m5: Women Empowerment

Program Educational Objectives (PEOs)

PEO1: Graduates will excel in professional careers in Industry and academics that full fill the needs of Information and Communication Technology (ICT).

PEO2. Graduates will be able to work with advanced technologies relevant to Electronics and Telematics Engineering.

PEO3. Graduates will be able to work in diversified teams of multidisciplinary environment to gain engineering breadth.

PEO4. Graduates will exhibit all-round education that includes communication skills, ability to work well in a team, an awareness of ethical values and to engage in lifelong learning.

Table B.1.5. a: PEOs mapping with Machine statements

PEOs Statements	M1	M2	M3
PEO1	3	2	2
PEO2	3	3	2
PEO3	2	3	1
PEO4	2	3	3

Where M1=m1+m2, M2=m3, M3=m4+m5

B. Consistency/Justification Of Co-Relation Parameters of PEOs with mission Statements The Above Matrix

PEOs Statements	M1 (m1: Academic Excellence m2: Information and Communication Technologies)	M2 (m3:Life Long Learning)	M3 (m4: Value Based Education m5: Women Empowerment)

<p>PEO1</p>	<p>Correlation Level: 3</p> <p>m1-Emphasize on Academic Excellence which can be used to excel the graduates in Professional career and higher education.</p> <p>m2-Emphasize on Information and Communication Technologies which can provide employability to the graduates as well as to enhance their studies (Higher studies).So that they can excel in their Professional career Hence they are strongly correlated.</p>	<p>Correlation Level: 2</p> <p>m3-Emphasize on lifelong learning attitude through which Graduates will excel in professional careers in Industry. Hence, they are moderately correlated.</p>	<p>Correlation Level: 2</p> <p>m4-Emphasize on value based education through Graduates will excel in professional careers in In</p> <p>m5:Emphasizes on Women Empowerment through graduates will develop independently and become entrepreneurs and industrialists. Hence, they are moderately correlated.</p>
<p>PEO2</p>	<p>Correlation Level: 3</p> <p>m1- Emphasize on Academic Excellence which can be used to adapt the Advanced Technologies. m2- Emphasize Information and Communication Technologies which can be used in advanced technologies relevant to Electronics and Telematics Engineering. Hence, they are strongly correlated.</p>	<p>Correlation Level: 3</p> <p>m3-Emphasize on lifelong learning attitude which enables the graduates to work with advanced technologies relevant to Electronics and Telematics Engineering. Hence, they are strongly correlated.</p>	<p>Correlation Level: 2</p> <p>m4-Emphasize on value based education, through Graduates will be able to work with advanced technologies relevant to Electronics and Telematics Engineering.</p> <p>m5- Emphasize on women empowerment which the graduates to grow independently in the field of Electronics and Telematics. Hence, they are moderately correlated.</p>
<p>PEO3</p>	<p>Correlation Level: 2</p> <p>m1-Emphasize on Academic Excellence, through which students can work in diversified teams of multidisciplinary environment.</p> <p>m2- Emphasize Information and Communication Technologies which improves the team work of graduates. Hence they are moderately correlated.</p>	<p>Correlation Level: 3</p> <p>m3- Emphasize on lifelong learning through which graduates will work in diversified teams of multidisciplinary environment to gain engineering breadth. Hence, they are strongly correlated.</p>	<p>Correlation Level: 1</p> <p>m4-Emphasize on value based education.</p> <p>m5-Emphasizes on women empowerment, through Graduates will be able to work in diversified team multidisciplinary environment to gain engineering breadth. Hence they are slightly correlated</p>
<p>PEO4</p>	<p>Correlation Level: 2</p> <p>m1- Emphasize on Academic Excellence.</p> <p>m2- Emphasize on Information and communication technologies through which Graduates will be able to exhibit all-round education that includes communication skills, ability to work well in a team, an awareness of ethical values and to engage in lifelong learning. Hence, they are moderately correlated.</p>	<p>Correlation Level: 3</p> <p>m3- Emphasize on lifelong learning skills through which Graduates will exhibit all-round education that includes communication skills, ability to work well in a team, an awareness of ethical values. Hence, they are strongly correlated.</p>	<p>Correlation Level: 3</p> <p>m4- Emphasize on Value Based Education, through which Graduates will become perfect engineers able to work well in a team, get awareness of ethical values and to engage in lifelong learning.</p> <p>m5- Emphasize on Women Empowerment, through which Graduates will exhibit all round development through engineering education with good communication skills and able to work in a team confidently through ethical values and lifelong learning. Hence, they are strongly correlated.</p>

Note: M1, M2, M3 are Mission statement. Correlation levels 1, 2 or 3 are defined below:

1: Slight(Low) 2: Moderate(Medium) 3: Substantial(High)

PEO Statements	M1	M2	M3
Graduates will excel in professional careers in Industry and academics that full fill the needs of Information and Communication Technology (ICT).	3	2	2
Graduates will be able to work with advanced technologies relevant to Electronics and Telematics Engineering.	3	3	2
Graduates will be able to work in diversified teams of multidisciplinary environment to gain engineering breadth.	2	3	1
Graduates will exhibit all-round education that includes communication skills, ability to work well in a team, an awareness of ethical values and to engage in lifelong learning.	2	3	3

2 PROGRAM CURRICULUM AND TEACHING - LEARNING PROCESSES (100)

Total Marks 100.00

2.1 Program Curriculum (30)

Total Marks 30.00

2.1.1 State the process for designing the program curriculum (10)

Institute Marks : 10.00

2.1.1 State the process for designing the program curriculum (10)

The curriculum at Department of Electronics & Telematics Engineering is meticulously crafted to uphold exceptional quality, prioritizing a learner-centric approach. The Department ensure that our curriculum undergoes regular reviews, considering several key aspects:

- Vision and Mission of the Institute & Department
- Program Educational Objectives (PEOs)
- Program Outcomes (POs)
- Program Specific Outcomes (PSOs)

The following are the key functional committees in implementing curriculum and reviewing of course/ Program

- Programme Assessment Committee (PAC)
- Department Advisory Committee (DAC)
- Board of Studies (BoS)
- Academic Council (AC)
- Governing Council(GC)

Board of Studies

Board of Studies comprises the following members:

- Head of the Department – Chairperson
- Affiliating University nominee (JNTUH)
- Senior Faculty Members
- Industry Expert
- External academicians
- Alumni(from Industry)

Board of Studies (BoS) takes up planning of the curriculum and the implementation of syllabi. The roles and responsibilities of the BoS are as follows:

- Preparation of curriculum and syllabi for various courses
- Review and update the syllabi from time to time
- Propose methodologies for innovative teaching and evaluation techniques
- Coordinate teaching, research and extension activities in the department.

Academic Council

Academic Council comprises the following members:

- The Principal(Chairman)
- All the Heads of Departments in the college
- Four teachers of the college representing different categories of teaching staff by rotation on the basis of seniority of service in the college.
- Not less than four experts /academicians from outside the college representing such areas as Industry, Commerce, Law, Education, Medicine, Engineering, Sciences etc., to be nominated by the Governing Body.
- Three nominees of the university not less than Professors.
- A faculty member nominated by the Principal (Member Secretary).

Academic Council scrutinizes and approves the proposals of the Boards of Studies with regard to courses of study, academic regulations, curricula, syllabi and modifications. Academic council recommends proposals of new study programmes to the Governing Body for final approval.

Governing Council

Governing Council comprises the following members:

Number	Category	Nature
3 Members	Management	Trust or management as per the constitution or byelaws with the Chairman or President / Director as the chairperson
2 Members	Teachers of the College	Nominated by the Principal based on seniority by rotation
1 Member	Educationist or industrialist	Nominated by the management
1 Member	State Government nominee	Academician not below the rank of professor or State Government official of Directorate of Higher Education/State Council of Higher

The function of Governing Council is to decide on the overall development of the Institute which includes infrastructure, resource allocation, welfare measures, institute scholarship, medals, prizes and certificates on the recommendations of academic council and approval of new programs for the Institute. Figure B.2.1.1.a shows the process of designing curriculum for R18 Regulation.

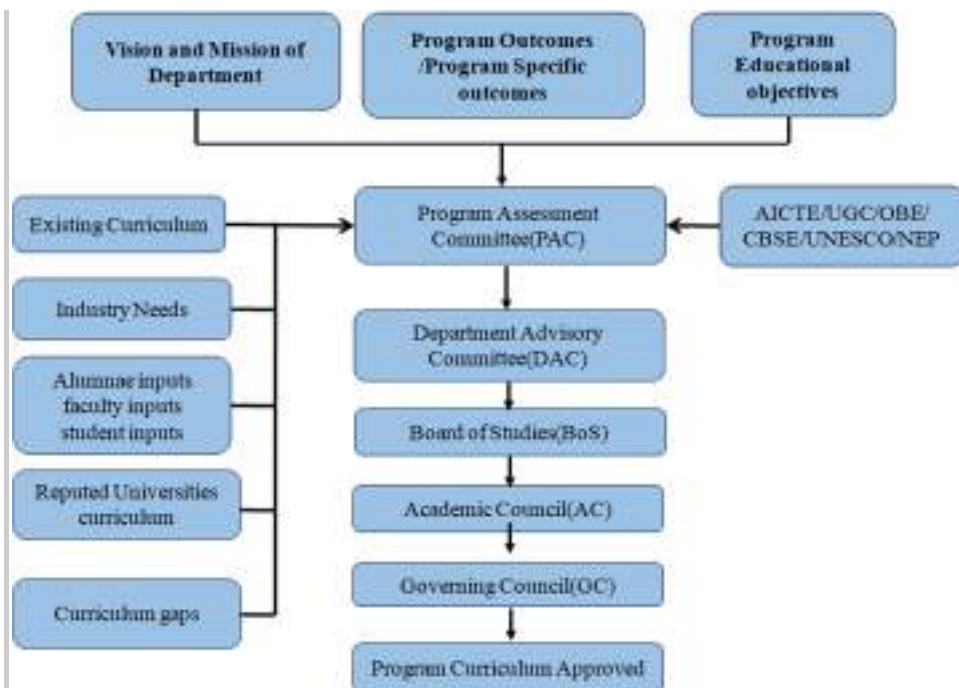


Figure B.2.1.1.a : Process for designing Curriculum

Curriculum design process at ETE Department can broadly be categorized in three stages:

Need Analysis and Assessment:

Needs assessment is the basic element of curriculum design, development, and revision. The needs assessment shall be carried out to identify the key competencies, desirable characteristics, desirable learning experiences in curriculum development process. Need Analysis includes but not limited to, the following:

- Policy Revision at the National Level National Education Policy
- Statutory and Regulatory Bodies
- UNESCO Curriculum competencies
- Accreditation Bodies
- Stakeholders Feedback
- Emerging Thrust Areas

Draft Curriculum:

The Program Coordinator consolidates the need analysis report with the team of Course/Module Coordinators and proposes a draft curriculum. The draft curriculum is prepared with the references of peers from National and International Universities, as well as with the compliance of Course Outcomes (COs), Program Outcomes (POs), Program Specific Outcomes (PSOs), Program Educational Objectives (PEOs).

Review of the Draft Curriculum: The draft curriculum will be reviewed by the Program Assessment Committee (PAC). PAC will consider revision/improvement for the curriculum, if required. The BoS duly constituted as per norms, consisting of members including experts from Academia and Industry, will review the curriculum. The BoS considers revision/improvement for the curriculum, if required. The Academic Council will consider the recommendations of the BoS and provide suggestions/approval for the program curriculum. Figure B.2.1.1.b shows the minutes of BOS meeting for the R22 regulation.

**G. NARAYANAMMA INSTITUTE OF TECHNOLOGY AND SCIENCE
AUTONOMOUS (FOR WOMEN)
Shaikpet, Hyderabad- 500 104**



(Accredited by NBA of AICTE & NAAC of UGC)

Department of Electronics and Telematics Engineering



The following members attended the Fourth BoS meeting held on 27th July 2023 at 10AM.

Name & Designation of BoS Members	Category	Signatures
1. Dr.K.RamaLinga Reddy Professor, ETE, Dean Academics, GNITS	Chairman	K. R. L. Reddy
2. Dr.J.Sreenivasa Rao Professor, ECE Dept. & Director, U AAC, JNTUH	JNTUH Nominee	JNTUH
3. Dr.D.Krishna Reddy Professor & HOD, ECE Dept., CBIT	Subject Expert	CBIT
4. Dr.E.Sreenivasa Rao Professor & HOD, ECE Dept., Yuvaji College of Engineering	Subject Expert	E. Sreenivasa Rao
5. Mr. Ch.Namra Kishore Senior Manager, Signal Processing and Communication Group, Mathworks India Pvt Ltd.	Industrialist	—
6. Ms D. Sai Manogita Assistant Consultant, TCS	Alumnus	D. Sai Manogita
7. Dr.Rajkumar L. Biradar Professor, HOD, ETE, GNITS	Internal Member	Rajkumar L. Biradar
8. Mr. G. Krishna Reddy Assoc Prof, ETE, GNITS	Internal Member	G. Krishna Reddy
9. Dr. A. Naveena Asst Prof, ETE GNITS	Internal Member	A. Naveena

Dr. M. Vijaya Lakshmi
Asst Prof, ETE GNITS

Internal Member

M. Vijaya Lakshmi

**G. NARAYANAMMA INSTITUTE OF TECHNOLOGY AND SCIENCE
AUTONOMOUS (FOR WOMEN)**

Shaikpet, Hyderabad- 500 104



(Accredited by NBA of AICTE & NAAC of UGC)

Department of Electronics and Telematics Engineering



Minutes of the 4th Board of Studies Committee Meeting for B.TechETE held at the Department of Electronics and Telematics Engineering department, GNITS:

- The 4th Board of studies Committee of the ETE Department, GNITS, Hyderabad, has been instituted with effect from 24/09/2022 (for a period of 3 years), with the following members.
 - 1. Dr.K.RamaLinga Reddy, Professor, ETE, Dean Academics, GNITS – BoS Chairman.
 - 2. Dr.D.Sreenivasa Rao, Professor, ECE Dept., JNTUCE, JNTUH – External Member.
 - 3. Dr.D.Krishna Reddy, Professor&HOD, ECE Dept., CBIT, Hyderabad – External Member.
 - 4. Dr.E.Sreenivasa Rao, Professor&HOD, ECE Dept., Vasavi College of Engineering – External Member.
 - 5. Mr.Ch.Nanda Kishore, Senior Manager, Signal Processing and Communication Group, Mathworks India Pvt Ltd. – External Member.
 - 6. Ms D. Sai Manogna, Assistant Consultant, TCS – External Member.
 - 7. Dr.RajkumarL.Biradar Professor&HOD, ETE, GNITS, Hyderabad – Internal Member.
 - 8. Mr. G.KrishnaReddy, Assoc Prof, ETE, GNITS, Hyderabad – Internal Member.
 - 9. Dr.A.Naveena, Asst Prof, ETE GNITS, Hyderabad – Internal Member.
 - 10. Dr.M.Vijaya Lakshmi, Asst Prof, ETE GNITS, Hyderabad – Internal Member.
- 3rd Meeting of the Board of Studies Committee of the B.Tech.ETE Department was held on 24-09-2022, at the ETE Department, GNITS, Hyderabad.

Minutes of the 4th Board of Studies Meeting of B.TechETE Department:

The 4th Board of Studies Meeting of the Department of ETE, GNITS (UGC Autonomous), Hyderabad, has been conducted on 25/09/2022 at the Department of Electronics and Telematics Engineering, GNITS, Hyderabad.

...has been conducted on 2/10/2023, within the Department, and the following are the 'Minutes of the 4th BoS Meeting, and the associated resolutions' :

1. The Minutes of the 3rd Board of Studies Meeting of the Department of ETE, GNITS(UGC Autonomous), held during Sept 24, 2022, have been reconfirmed.
2. After detailed discussions and satisfactory deliberations, the following resolutions are considered and approved unanimously ...

i) Resolved to approve and accept the Course Structure, Course Contents and Syllabi for the B.Tech.ETE, III year and IV year (5th to 8th Semesters), as listed. The Course Structure requirements are as per the guidelines suggested by AICTE Model Curriculum of Jan. 2018 (160 Credits for B.Tech. Programme).

ii) Resolved to approve the Lists of Professional Electives, Open Electives and Service Courses (for other departments), in addition to the Core Subjects and Labs, Summer Internship /Mini Project (for 2 Credits) after the completion of 2nd year (before commencement of 3rd year), Seminar and B.Tech. Project as specified.

3. Professional Elective Labs are included in IV Year, I-Sem for providing practical exposure to students as per their choice.
4. BoS Chair briefed the stakeholders feedback report on curriculum to the BoS members and proposed the following :
 - a. As per the feedback received from outgoing students, Campus recruitment training is introduced in the second year.
 - b. As per Faculty feedback, the following new courses are introduced:
 - ❖ 3G Communication Technologies introduced by replacing existing 4G Technologies course as PE6 in IV year, II-Sem.
 - ❖ Fundamentals of DBMS as PE3 in III year, II-Sem.
 - c. As per the Employers feedback and considering the requirements of the current market in the IT industry, the following new courses and other changes in the curriculum were proposed :
 - ❖ Cloud Computing is introduced as a PE3 in III year, II Sem.
 - ❖ Artificial Intelligence and Machine Learning are offered in III year & IV year of the B.Tech program.
 - ❖ VLSI System Design and VLSI System Design Lab are introduced as PE4 in IV year I-Sem.
 - ❖ Object oriented programming through Java is introduced as a PE2 in III year - I Sem.
 - d. The following modifications are done for the previous structure/Syllabus as per the suggestions given by BOS members:
 - ❖ In PE1, the subject titled "Electronic Measurements and Instrumentation (EMI)" is changed to "Electronic Measuring Instruments and Sensors". Some concepts of Sensors and Actuators are added to the EMI.
 - ❖ In PE2, the subject titled "Sensors and Actuators" is replaced with "Data Science" to inculcate latest technological aspects and by considering the stakeholders feedback.
 - ❖ In PE2, the subject titled "Introduction to AI" is changed to "Artificial Intelligence".
 - ❖ In PE4, the subject titled "Fundamentals of Machine Learning" is changed to "Machine Learning".

- ❖ In PE4, the subject titled "Fundamentals of Machine Learning" is changed to "Machine Learning".
- ❖ In PE4, the subject titled "Wireless Communications" is changed to "Wireless Communications and Networks" after adding the concepts of Wireless LANs&PANs.
- ❖ In PE4, the subject titled "VLSI" is changed to "VLSI System Design".
- ❖ In PE5, the subject titled "Fundamentals of Internet of Things" is changed to "Design for IOT".
- ❖ In PE5, the subject titled "Digital Image Processing" is changed to "Digital Image and Video Processing" after including some concepts of Video Processing.
- ❖ In PE5, the subject titled "Adhoc Wireless Networks" is changed to "Adhoc and Wireless Sensor Networks" after adding the concepts of Wireless Sensor Networks.
- ❖ For IV year I Sem, the titles of PC labs are changed to match with the Theory Subjects of PE4.
- ❖ In PE6, the subject titled "5G Technologies" is changed to "5G Communication Technologies".

5.The BoS Committee accepted and approved the modified Course Structure and the Syllabi for B.Tech (ETE) 3rd and 4th Year, and authorized the BoS Chair to bring into effect the same in the Book of Academic Regulations, Course Structure and Syllabi, for B.Tech. (ETE), for the batches of students admitted from 2022-23 Academic Year onwards.

6.Decided to have three Open Elective courses with 3 credits each to get exposure in multi-disciplinary subjects.

7.The BoS Committee authorized the Head of the Department of ETE, to include the required Course Numbers, and make any other minor corrections/ modifications if needed, in the final book preparation for the " Course Structure and Syllabi for the B.Tech. IVYear Programme in ETE", for GNITS (for Women), Hyderabad.

8.The BoS Committee formally authorized the BoS Chair of ETE Department, to suggest the Panels of Question Paper Setters, Examiners and Evaluators required for all the Subjects/Courses offered by ETE Department, and listed in the UG Course Structure (2022).

9.Chairperson informed the board that 14 new courses were added and 8 were deleted in Professional Core, Professional Elective courses in GNR 22 Regulations compared to GNR 18 Regulations.



Figure B.2.1.1.b: BoS minutes in Academic year 2023-24 for R22 Regulations

2.1.2 Structure of the Curriculum (5)	Institute Marks : 5.00

ID	Course Code	Course Title	Lecture (L)	Tutorial (T)	Practical (P)	Total Hours	Theory Credits	Practical Credits	Total Credits
1	BS111AC	PHYSICS	3	1	0	4	4	0	4
2	BS111AB	LINEAR ALGEBRA AND MUTLIVARIABLE CALCULUS	3	1	0	4	4	0	4
3	ES111AF	PROGRAMMING FOR PROBLEM SOLVING	3	0	0	3	3	0	3
4	ES111AE	ENGINEERING GRAPHICS	1	0	3	4	1	1.5	2.5
5	ES11104	ENGINEERING WORKSHOP	1	0	3	4	1	1.5	2.5
6	BS11102	PHYSICS LAB	0	0	3	3	0	1.5	1.5
7	ES11105	PROGRAMMING LAB	0	0	3	3	0	1.5	1.5
8	MC11106	GAMES & SPORTS	2	0	0	2	0	0	0
9	BS112AA	CHEMISTRY	3	1	0	4	4	0	4
10	BS112AG	NUMERICAL TECHNIQUES AND TRANSFORM CALCULUS	3	1	0	4	4	0	4
11	HS112AJ	ENGLISH	2	0	0	2	2	0	2
12	ES112AD	BASIC ELECTRICAL ENGINEERING	3	1	0	4	4	0	4
13	BS11207	CHEMISTRY LAB	0	0	2	2	0	1	1
14	HS11212	ENGLISH PROFESSIONAL AND COMMUNICATION SKILLS LAB	0	0	2	2	0	1	1
15	ES11209	BASIC ELECTRICAL ENGINEERING LAB	0	0	3	3	0	1.5	1.5
16	ES11210	COMPUTATIONAL MATHEMATICS LAB	0	0	3	3	0	1.5	1.5
17	MC11213	NATIONAL SERVICE SCHEME (NSS)	2	0	0	2	0	0	0
18	BS113AK	MATHEMATICAL ANALYSIS	3	0	0	3	3	0	3
19	ES113AQ	NETWORK THEORY	3	0	0	3	3	0	3
20	PC113AW	ELECTRONIC DEVICES AND CIRCUITS	3	1	0	4	4	0	4
21	PC113AY	SIGNALS AND SYSTEMS	3	0	0	3	3	0	3
22	PC113AT	DIGITAL SYSTEM DESIGN	3	0	0	3	3	0	3
23	PC11322	ELECTRONIC CIRCUITS LAB	0	0	3	3	0	1.5	1.5

24	ES11314	BASIC SIMULATION LAB	0	0	3	3	0	1.5	1.5
25	PC11320	DIGITAL SYSTEM DESIGN LAB	0	0	3	3	0	1.5	1.5
26	MC11317	GENDER SENSITIZATION	2	0	0	2	0	0	0
27	BS114BA	PROBABILITY THEORY AND STOCHASTIC PROCESSES	3	0	0	3	3	0	3
28	ES114BC	MATERIAL SCIENCE	3	0	0	3	3	0	3
29	PC114BF	ANALOG CIRCUITS	3	0	0	3	3	0	3
30	PC114BG	ANALOG AND DIGITAL COMMUNICATIONS	3	1	0	4	4	0	4
31	PC114BM	MICROPROCESSORS AND MICROCONTROLLERS	3	0	0	3	3	0	3
32	PC11426	ANALOG CIRCUITS LAB	0	0	3	3	0	1.5	1.5
33	PC11424	ANALOG AND DIGITAL COMMUNICATIONS LAB	0	0	3	3	0	1.5	1.5
34	PC11432	MICROPROCESSORS AND MICROCONTROLLERS LAB	0	0	3	3	0	1.5	1.5
35	MC114BE	ENVIRONMENTAL SCIENCES	2	0	0	2	0	0	0
36	PC115CG	LINEAR CONTROL SYSTEMS	3	0	0	3	3	0	3
37	PC115BY	DIGITAL SIGNAL PROCESSING	3	1	0	4	4	0	4
38	PC115CB	ELECTROMAGNETIC THEORY	3	0	0	3	3	0	3
39	PC115XX	PROFESSIONA ELECTIVE-1	3	0	0	3	3	0	3
40	OE115XX	OPEN ELECTIVE-1	3	0	0	3	3	0	3
41	PC11538	DIGITAL SIGNAL PROCESSING LAB	0	0	3	3	0	1.5	1.5
42	PC11541	ELECTRONIC COMMUNICATION DESIGN LAB	0	0	3	3	0	1.5	1.5
43	HS11542	EMPLOYABILITY AND SOFT SKILLS LAB	0	0	2	2	0	1	1
44	HS116DE	MANAGERIAL ECONOMICS AND FINANCIAL ANALYSIS	3	0	0	3	3	0	3
45	PC116DJ	PRINCIPLES OF COMPUTER NETWORKS	3	0	0	3	3	0	3
46	PC116DL	TELECOMMUNICATION SWITCHING SYSTEMS AND NETWORKS	3	0	0	3	3	0	3
47	PE116XX	PROFESSIONA ELECTIVE-2	3	0	0	3	3	0	3
48	OE116XX	OPEN ELECTIVE – 2	3	0	0	3	3	0	3

49	PC11644	COMPUTER NETWORKS LAB	0	0	3	3	0	1.5	1.5
50	PC11653	TELECOMMUNICATIONS LAB	0	0	3	3	0	1.5	1.5
51	PW11652	SEMINAR	0	0	4	4	0	2	2
52	HS117EC	FUNDAMENTALS OF MANAGEMENT	3	0	0	3	3	0	3
53	PC117EU	WIRELESS COMMUNICATIONS	3	0	0	3	3	0	3
54	PE117EX	PROFESSIONA ELECTIVE – 3	3	0	0	3	3	0	3
55	PE117XX	PROFESSIONA ELECTIVE – 4	3	0	0	3	3	0	3
56	OE117XX	OPEN ELECTIVE-3	3	0	0	3	3	0	3
57	PC11762	WIRELESS COMMUNICATIONS LAB	0	0	2	2	0	1	1
58	PW11758	MINI PROJECT	0	0	4	4	0	2	2
59	PW11761	PROJECT PHASE – I	0	0	6	6	0	3	3
60	HS118FK	ENTREPRENEURSHIP AND PROJECT MANAGEMENT	3	0	0	3	3	0	3
61	PE118EX	PROFESSIONA ELECTIVE – 5	3	0	0	3	3	0	3
62	PE118FX	PROFESSIONA ELECTIVE-6	3	0	0	3	3	0	3
63	OE118XX	OPEN ELECTIVE-4	3	0	0	3	3	0	3
64	PW11863	PROJECT PHASE-II	0	0	16	16	0	8	8
		Total	117	8	86	211	117	43.0	160.0

2.1.3 State the components of the curriculum (5)

Institute Marks : 5.00

Course Components	Curriculum Content (% of total number of credits of the program)	Total number of contact hours	Total number of credits
Basic Sciences	15.3125	27.00	24
Engineering Sciences	15	33.00	24
Humanities and Social Scie	8.125	15.00	13
Program Core	33.4375	68.00	54
Program Electives	11.25	18.00	18
Open Electives	7.5	12.00	12
Project(s)	8.125	19.00	13
Internships/Seminars	1.25	2.00	2
Any other (Please specify)	0	8.00	0
Total number of Credits			160

2.1.4 State the process used to identify extent of compliance of the curriculum for attaining the Program Outcomes and Program Specific Outcomes as mentioned in Annexure I (10)

Institute Marks : 10.00

2.1.4. State the process used to identify extent of compliance of the curriculum for attaining the Program Outcomes (POs) and Program Specific Outcomes (PSOs)

The Electronics and Telematics Engineering adhere to a rigorous process to ensure that the curriculum for the B.Tech. program effectively aligns with the designated Program Outcomes (POs) and Program Specific Outcomes (PSOs). The department approach is characterized by careful planning, meticulous evaluation, and continuous improvement.

Initial Assessment and Alignment: The process begins with a thorough examination of the curriculum guidelines provided by our institution and accrediting bodies. These guidelines serve as the foundation for delineating the desired POs and PSOs. Each component of our curriculum, spanning various disciplines including Science, Mathematics, Engineering, Humanities and Management, Projects, and Internships, is meticulously aligned with these identified outcomes.

Curriculum Mapping: A detailed mapping exercise is undertaken to correlate the content, objectives, and learning outcomes of each course within the curriculum with the established POs and PSOs. This step ensures that every aspect of our curriculum contributes meaningfully towards the attainment of the desired outcomes.

Selection of Assessment Tools: The ETE Department carefully select assessment tools and methodologies to evaluate student performance and achievement in relation to the POs and PSOs. These tools encompass a diverse range, including examinations, projects, presentations, portfolios, surveys, rubrics and evaluations during internships.

Data Collection and Analysis: The ETE Department systematically collect data on student performance and achievement related to POs and PSOs through the chosen assessment tools. This data is then subjected to rigorous analysis to ascertain the degree of attainment of each outcome by our students. This analysis serves as the foundation for identifying areas of strength and areas warranting enhancement within our curriculum.

Feedback and Iterative Improvement: After analyzing data from surveys conducted for employers, students, and alumni regarding Program Outcomes (POs) and Program Specific Outcomes (PSOs), constructive feedback is distributed to relevant stakeholders, including faculty members and curriculum designers. This feedback, coupled with survey results, informs the integration of iterative improvements into the curriculum, prioritizing alignment with identified gaps and desired outcomes.

Continuous Monitoring and Review: Continuous monitoring of student performance and curriculum effectiveness is prioritized to ensure ongoing alignment with industry standards and evolving educational trends. Regular reviews are conducted to assess the efficacy of our curriculum in preparing students to meet the challenges of the dynamic professional landscape.

Program Outcomes – B.Tech. (ETE)

PO1: Ability to apply the knowledge of mathematics, science, electronics and communication to conceptualize solutions to complex engineering problems.

PO2: Ability to identify, formulate and analyze in Engineering domains using first principles of basic sciences and engineering sciences.

PO3: Ability to design and realize solutions for complex engineering problems with applicable considerations.

PO4: Ability to support investigations of Research based knowledge including literature survey, design of experiments, data analysis and data interpretation leading to valid conclusions.

PO5: Ability to choose modern Engineering tools and resources for Electronics & communication engineering problems and their applications.

PO6: Ability to identify and assess societal, safety and legal issues using contextual knowledge and develop potential to assume consequent responsibilities during engineering practice.

PO7: Ability to recognize the impact of electronics and telematics engineering domain in societal and environmental contexts and demonstrate knowledge and need for sustainable development.

PO8: Ability to apply ethical principles and practice professional ethics.

PO9: Ability to function effectively either as an individual or as a member/leader within diversified and multidisciplinary teams.

PO10: Ability to communicate on engineering activities understandably, among stake holders and society at large through effective reports, design documentation and effective presentations.

PO11: Ability to demonstrate the knowledge of engineering and apply project management principles to manage projects in multidisciplinary environments as a member and leader in a team.

PO12: Ability to identify and engage in self-learning in the context of technological changes.

Program Specific Outcomes – B.Tech. (ETE)

PSO1: Graduates will be able to analyze and design telecommunication networks with applicable consideration.

PSO2: Graduates will gain technical knowledge with necessary aptitude and soft skills to work in the ICT industry.

The various courses in the curriculum are mapped to the PO's and PSO's, the details of which are given in Table 2.1.4 (a). The summary of all the Courses mapped to various POs and PSOs for curriculum (GNR-18 Regulation) is given in Table 2.1.4 (b)

Table B.2.1.4.a: Subjects mapped to different POs & PSOs-GNR-18

PO/PSO	Courses Mapped Significantly
PO1	C101,C102,C103,C104,C105,C106,C107,C108,C109,C111,C112,C114,C115,C201,C202,C203,C204,C205,C206,C207,C208,C209,C210,C211,C212,C213,C214,C215,C216,C218,C301,C302,C303,C304,C305,C306,C307,C308,C309,C310,C313,C314,C315,C316,C317,C319,C320,C321,C402,C403,C404,C405,C406,C407,C409,C410,C411,C413,C414,C415,C416
PO2	C101,C102,C103,C104,C106,C107,C108,C109,C111,C112,C114,C115,C201,C202,C203,C204,C205,C206,C207,C208,C209,C210,C211,C212,C213,C214,C215,C216,C218,C301,C302,C303,C304,C305,C306,C307,C308,C309,C310,C311,C313,C314,C315,C316,C317,C319,C320,C321,C402,C403,C404,C405,C406,C407,C409,C410,C411,C413,C414,C415,C416
PO3	C101,C102,C103,C104,C105,C106,C107,C108,C109,C111,C112,C114,C115,C202,C203,C204,C205,C206,C207,C208,C209,C211,C212,C213,C214,C215,C216,C218,C301,C302,C303,C304,C305,C306,C307,C309,C310,C312,C313,C314,C315,C316,C317,C319,C320,C321,C402,C403,C404,C405,C406,C407,C409,C410,C411,C413,C414,C415,C416
PO4	C101,C104,C106,C107,C108,C109,C110,C111,C112,C113,C114,C115,C203,C204,C205,C206,C207,C208,C209,C211,C213,C214,C218,C302,C304,C305,C306,C307,C308,C309,C310,C312,C313,C314,C315,C316,C319,C320,C321,C402,C403,C404,C405,C406,C407,C409,C410,C411,C413,C414,C415,C416
PO5	C101,C103,C104,C106,C107,C108,C112,C205,C206,C207,C208,C209,C212,C213,C214,C215,C216,C218,C301,C302,C304,C306,C307,C309,C310,C313,C314,C315,C316,C317,C318,C319,C320,C321,C402,C403,C404,C405,C406,C409,C410,C411,C413,C414,C415,C416
P06	C101,C104,C105,C106,C108,C110,C112,C113,C210,C217,C218,C302,C304,C306,C308,C309,C312,C316,C318,C321,C401,C402,C405,C406,C407,C408,C409,C410,C411,C412,C413,C414,C415,C416
P07	C101,C104,C106,C108,C110,C113,C205,C208,C210,C218,C304,C305,C308,C312,C314,C315,C316,C320,C321,C401,C402,C403,C404,C405,C407,C408,C409,C410,C412,C413,C415
PO8	C105,C106,C110,C113,C210,C217,C218,C302,C306,C309,C311,C312,C316,C321,C407,C410,C411,C413,C415,C416
PO9	C103,C106,C107,C110,C113,C115,C205,C207,C208,C217,C218,C302,C304,C307,C308,C309,C311,C312,C316,C318,C321,C401,C402,C404,C405,C408,C409,C410,C411,C412,C413,C414,C415,C416
PO10	C104,C105,C106,C110,C113,C205,C207,C208,C210,C217,C218,C302,C304,C309,C311,C312,C313,C316,C317,C318,C321,C401,C402,C404,C405,C407,C408,C409,C410,C411,C412,C413,C414,C415,C416
PO11	C104,C106,C113,C205,C206,C208,C209,C213,C214,C218,C302,C304,C306,C309,C312,C313,C315,C316,C317,C318,C320,C321,C402,C403,C404,C405,C406,C408,C410,C411,C412,C413,C414,C415,C416
PO12	C101,C103,C104,C105,C106,C107,C108,C111,C114,C202,C203,C204,C205,C206,C207,C208,C209,C210,C211,C212,C213,C214,C215,C216,C218,C301,C302,C303,C304,C305,C306,C308,C309,C310,C311,C313,C314,C316,C317,C319,C320,C321,C401,C402,C403,C404,C405,C406,C407,C408,C409,C410,C411,C412,C413,C414,C415,C416

PSO1	C101,C102,C106,C108,C109,C111,C112,C115,C201,C202,C203,C204,C205,C206,C207,C208,C209,C211,C212,C213,C214,C215,C216,C218,C301,C302,C304,C305,C306,C307,C309,C310,C313,C314,C315,C316,C317,C319,C320,C321,C402,C403,C404,C405,C406,C407,C409,C411,C413,C414,C416
PSO2	C101,C106,C108,C112,C203,C204,C205,C206,C207,C208,C209,C211,C212,C213,C214,C215,C216,C218,C301,C304,C305,C306,C310,C313,C314,C315,C316,C319,C320,C321,C402,C403,C404,C405,C406,C407,C409,C411,C413,C416

Table B.2.1.4.b: Course-PO/PSO mapping (GNR-18 Regulation)

Course-PO/PSO mapping (GNR-18 Regulation)																	
Year and Sem	Course Number	Course Code	Program Outcomes (PO's)														
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	
I Year	C101	Physics	2	2	2	2	2	2	2	2	0	0	0	0	0	2	2
	C102	Linear Algebra and Multivariable Calculus	1	2	3	0	0	0	0	0	0	0	0	0	0	2	0
	C103	Programming for Problem Solving	3	3	3	0	2	0	0	0	0	1	0	0	2	0	0
	C104	Engineering Graphics	2	1	2	2	2	2	2	2	0	0	2	2	2	0	0
	C105	Engineering Workshop	2	0	2	0	0	2	0	2	0	2	0	0	1	0	0
	C106	Physics Lab	2	2	2	2	2	2	2	2	3	3	2	1	3	1	1
	C107	Programming Lab	3	3	3	1	2	0	0	0	0	2	0	0	2	0	0
	C108	Chemistry	2	2	2	2	3	2	2	2	0	0	0	0	2	2	1
	C109	Numerical Techniques and Transform Calculus	3	2	2	1	0	0	0	0	0	0	0	0	0	2	0
	C110	English	0	0	0	0	0	3	3	2	3	3	0	3	0	2	2
	C111	Basic Electrical Engineering	3	3	2	2	0	0	0	0	0	0	0	0	2	2	0
	C112	Chemistry Lab	3	2	2	2	2	1	0	0	0	0	0	0	0	1	2
	C113	English Professional and Communication Skills Lab	0	0	0	1	0	2	2	1	3	3	1	0	0	1	1
	C114	Basic Electrical Engineering Lab	3	3	2	2	0	0	0	0	0	0	0	0	2	0	0
	C115	Computational Mathematics Lab	2	2	3	2	0	0	0	0	0	1	0	0	0	2	0
II-I	C201	Mathematical Analysis	3	2	0	0	0	0	0	0	0	0	0	0	0	2	0
	C202	Network Theory	3	2	2	0	0	0	0	0	0	0	0	0	2	2	2
	C203	Electronic Devices and Circuits	3	3	2	2	0	0	0	0	0	0	0	0	1	2	3
	C204	Signals and Systems	3	3	2	1	0	0	0	0	0	0	0	0	1	2	2
	C205	Digital System Design	3	2	3	3	3	2	2	2	1	2	2	2	2	2	2
	C206	Electronic Circuits Lab	3	3	1	1	1	0	0	0	0	0	0	1	1	2	2
	C207	Basic Simulation Lab	2	2	2	1	3	0	0	0	3	2	2	1	2	2	2
	C208	Digital System Design Lab	3	2	3	3	3	2	2	2	1	2	2	2	2	2	2

II-II	C209	Probability Theory and Stochastic Processes	3	2	2	1	2	0	0	0	0	0	1	1	2	2
	C210	Material Science	1	1	0	0	0	1	1	1	0	1	0	1		
	C211	Analog Circuits	3	3	2	2	0	0	0	0	0	0	0	1	2	2
	C212	Analog and Digital Communications	3	2	3	3	2	0	0	0	0	0	1	3	2	3
	C213	Microprocessors and Microcontrollers	3	3	2	1	1	0	0	0	0	0	1	2	3	3
	C214	Analog Circuits Lab	3	3	1	1	1	0	0	0	0	0	1	1	2	2
	C215	Analog and Digital Communications Lab	3	3	3	0	2	0	0	0	0	0	0	3	2	3
III-I	C216	Microprocessors and Microcontrollers Lab	3	2	1	0	1	0	0	0	0	0	0	3	3	3
	C301	Linear Control Systems	3	3	3	0	2	0	0	0	0	0	0	3	2	2
	C302	Digital Signal Processing	2	2	3	3	2	2	0	2	3	2	3	2	2	2
	C303	Electromagnetic Theory	3	3	3	2	1	0	2	0	0	0	0	2	2	2
	C304	PE-1 : Computer Organization	3	2	2	2	3	1	1	1	1	2	2	2	1	2
	C305	PE-1: Electronic Measurements and Instrumentation	3	2	2	1	0	0	2	0	0	0	0	1	1	1
	C306	OE-1 : Fundamentals of Data Structures	3	3	2	2	2	1	0	0	2	0	2	2	3	1
	C307	OE-1 : Java Programming	2	2	3	2	2	0	0	0	2	0	0	0	2	0
	C308	OE-1 :Disaster Management	2	1	0	3	0	2	1	0	2	0	0	2	0	0
	C309	Digital Signal Processing Lab	2	2	3	3	2	2	0	2	3	2	3	2	2	2
	C310	Electronic Communication Design Lab	3	3	3	2	2	0	0	0	0	0	0	3	3	3
III-II	C311	Employability and Soft Skills lab	0	1	0	0	0	0	0	1	2	2	0	1	0	0
	C312	Managerial Economics and Financial Analysis	0	0	1	2	0	0	3	0	1	2	3	2	0	0
	C313	Principles of Computer Networks	3	3	2	2	3	2	2	2	2	2	1	3	3	3
	C314	Telecommunication Switching Systems and Networks	3	3	3	2	2	2	2	0	0	0	0	2	3	2
	C315	PE-2:Antennas and Wave Propagation	3	3	3	2	2	0	2	0	0	0	1	1	3	2
	C316	PE-2 Digital Image Processing	3	3	3	2	3	3	2	3	3	3	3	3	3	2
	C317	OE-2: DataBase Management Systems	2	1	2	0	1	0	0	0	0	1	2	1	1	0
	C318	OE-2: Behavioral Skills and Professional Communication	0	0	0	0	3	2	0	0	3	3	2	0	0	0
	C319	Computer Networks Lab	3	3	2	1	1	0	0	0	0	0	0	3	3	3
	C320	Telecommunications Lab	2	2	2	2	3	2	2	2	2	2	2	2	3	2
C321	Seminar	3	3	3	3	3	2	2	2	3	3	3	3	3	3	

IV-I	C401	Fundamentals of Management	0	0	0	0	0	1	3	0	3	3	0	2	0	0
	C402	Wireless Communications	3	3	3	3	3	2	3	2	2	2	2	3	3	2
	C403	PE-3:Voice over Internet Protocol	2	2	3	2	2	2	2	0	0	0	0	2	3	2
	C404	PE-4: Fundamentals of IoT	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	C405	PE-4 Embedded Systems Design	3	2	3	3	3	1	2	1	2	2	2	2	1	3
	C406	OE-3: Python Programming	3	3	3	3	3	3	0	0	0	0	2	3	2	2
	C407	OE-3:Waste Management Techniques and Power Generation	3	1	3	2	0	2	3	1	0	1	0	1	2	1
	C408	OE-3: Industrial Management	0	0	0	0	0	2	3	0	2	2	2	3	0	0
	C409	Wireless Communications Lab	3	2	3	3	3	2	2	1	2	2	2	2	3	2
	C410	Mini Project	3	3	3	3	3	2	2	2	3	3	3	3	3	3
C411	Project Phase – I	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
IV-II	C412	Entrepreneurship and Project Management	0	0	0	0	0	2	2	0	2	2	2	3	0	0
	C413	4G Technologies	3	3	3	3	3	2	2	2	2	3	2	3	3	2
	C414	Radar Systems	2	2	3	3	2	2	0	0	2	2	3	2	2	1
	C415	Environmental impact assessment	1	1	2	2	2	2	1	2	3	1	2	1	0	0
	C416	Project Phase – II	3	3	3	3	3	3	3	3	3	3	3	3	3	3

For each PO / PSO, the affinity levels (correlation level) of the individual mapped courses and the credit allotted to the subjects are in specified in the Table. G.2.1.4.b

The compliance of GNR-18 curriculum towards each PO / PSO is calculated using the following formula

$$\text{Compliance (\%)} = \frac{\sum (\text{Correlation to PO} \times \text{Credit of the course})}{\text{Maximum Correlation Level} \times \text{Total Program Credit}}$$

For GNR-18 Regulation, maximum Correlation Level is 3 and Total Programme Credit is 160. Figure.2.1.4(a) shows the compliance of GNR-18 regulation towards Pos and PSOs. The above figure shows that curriculum compliance to PO1 is 86.6 and PO2 is 74.5 ,PO3 is 73.5

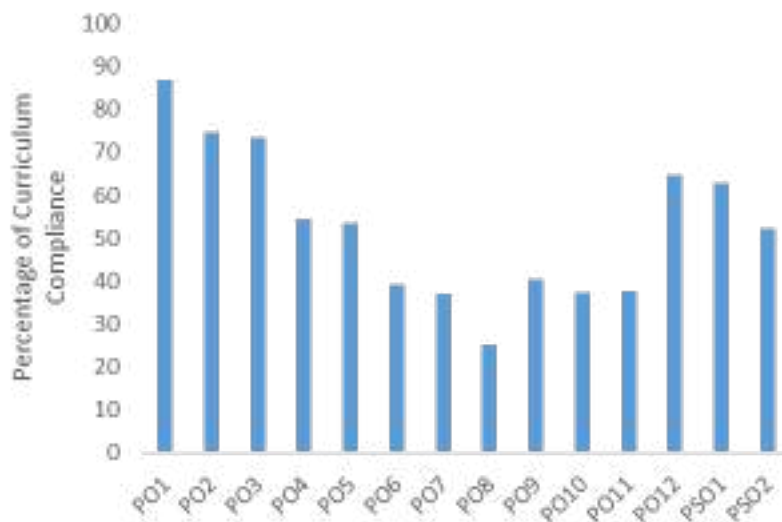


Figure B.2.1.4.a: Compliance of GNR-18 Curriculum towards POs and PSOs.

2.2 Teaching-Learning Processes (70)

Total Marks 70.00

2.2.1 Describe Processes followed to improve quality of Teaching & Learning (15)

Institute Marks : 15.00

--

Department of ETE follows various Teaching & learning processes for the improvement of quality of Teaching and learning. They are listed below.

A. Adherence to Academic Calendar

B. Pedagogical initiatives

C. Methodologies to support weak students and encourage bright students assisting weak Students

D. Quality of classroom teaching

E. Conduction of experiments

F. Continuous assessment in the laboratory

G. Student feedback on teaching learning process and action taken

A. Adherence to Academic Calendar (2):

It is the regular practice to publish the program academic calendar every year by GNITS.

Academic calendar mainly includes commencement of semester, instruction period, CIE, and SEE schedule, vacation if any and commencement of next academic year.

The Department of ETE strictly follows the schedule of academic calendar.

Academic calendar for I year-I Semester mainly consists of 3 major phases.

Phase 1: The orientation (induction) program for first year students is scheduled for first two weeks. The orientation program is meant for transforming / orienting the students from generic approach to professional approach with inputs from various resource persons.

Phase 2: The instruction period of 16 weeks is divided into two spells each of 8 weeks for Conduction of classes/labs.

Phase 3: The schedule of two CIE (Theory Subjects) with a duration of one week each, schedule for preparation and practical exam for duration of 1 week and schedule of SEE for duration of 2 weeks.

Academic calendar for remaining semesters of I-II Semester, II, III & IV year consists of 2 major phases.

Phase 1: The total instruction period of 16 weeks and is divided into two spells each of 8 weeks for conduction of classes and labs.

Phase 2: The schedule of two CIE (Theory Subjects) with a duration of one week each, schedule for preparation and practical exam for duration of 1 week and schedule of SEE for duration of 2 weeks.

The program starts with Submission of lesson plans by the faculty before the first week of the Semester, showing the breakup of the syllabus as per the Academic calendar.

Figure B.2.2.1.a shows the consolidated academic calendar for AY22-23 and its adherence by conducting the mid I&II and End exams as per the academic calendar in Figures B.2.2.1.b,c, d, e, f,g below. This indicated the adherence to academic calendar.

G. NARAYANAMMA INSTITUTE OF TECHNOLOGY AND SCIENCE
(AUTONOMOUS) FOR WOMEN

SHAIKPET, HYDERABAD-500104

ACADEMIC CALENDAR (2022-2023)

II Year B. Tech Course

I Sem

Commencement of 1 st Semester Class Work	10-10-2022
1 st Spell of Instructions	10-10-2022 To 03-12-2022 (8 Weeks)
First Mid Term Examinations	05-12-2022 To 10-12-2022 (1 Week)
2 nd Spell of Instructions	12-12-2022 To 04-02-2023 (8 Weeks)
Second Mid Term Examinations	06-02-2023 To 11-02-2023 (1 Week)
Preparation & Practical Examinations	13-02-2023 To 18-02-2023 (1 Week)
End Semester Examinations	20-02-2023 To 04-03-2023 (2 Weeks)

II Sem

Commencement of 2nd Semester Class Work	06-03-2023
1 st Spell of Instructions	06-03-2023 TO 29-04-2023 (8 Weeks)
First Mid Term Examinations	01-05-2023 TO 06-05-2023 (1 Week)
2 nd Spell of Instructions	08-05-2023 TO 01-07-2023 (8 Weeks)
Second Mid Term Examinations	03-07-2023 TO 08-07-2023 (1 Week)
Preparation & Practical Examinations	10-07-2023 TO 15-07-2023 (1 Week)
End Semester Examinations	17-07-2023 TO 29-07-2023 (2 Weeks)

Principal
 14/7/23

Figure B.2.2.1.a: Academic Calendar Year AY 2022-23

G. NARAYANAMMA INSTITUTE OF TECHNOLOGY & SCIENCE- SHAIKPET
 HYDERABAD-500 104

B. TECH I SEMESTER - GNTS-III (1st Mid Term) EXAMINATIONS Dec 2022

TIME-TABLE

TIME : 10.00 AM To 12.00 NOON

BRANCH	05-12-2022 (MON DAY)	06-12-2022 (TUE DAY)	07-12-2022 (WED DAY)	08-12-2022 (THU DAY)	09-12-2022 (FRI DAY)
EEE	Mathematical Analysis	Circuit Theory	Analog Electronics	Electrical Machines I	Electromagnetic Fields
ECE	Mathematical Analysis	Network Theory	Electronic Devices and Circuits	Signals and Systems	Digital Systems Design
ETM	Mathematical Analysis	Network Theory	Electronic Devices and Circuits	Signals and Systems	Digital Systems Design

Students Please Refer to all post available regulations

27 NOV 2022

Principal
 27/11/22
 G. Narayanamma Institute of
 Technology & Science (Autonomous)
 Shaikpet, Hyderabad - 500104

Figure B.2.2.1.b: II year, I-Semester, I-Mid schedule for AY 2022-23

**G. NARAYANAMMA INSTITUTE OF TECHNOLOGY & SCIENCE- SHAIKPET
HYDERABAD- 500 104**

II B.TECH (I SEMESTER) - UNITS-818 II Mid-Term EXAMINATIONS FEB 2023

TIME-TABLE

TIME :2.00 PM To 4.00 PM

AUTONOMOUS

BRANCH	06-02-2023 (MON DAY)	07-02-2023 (TUE DAY)	08-02-2023 (WED DAY)	09-02-2023 (THU DAY)	10-02-2023 (FRI DAY)
EIE	Mathematical Analysis	Circuit Theory	Analog Electronics	Electrical Machines I	Electromagnetic Fields
ECE	Mathematical Analysis	Network Theory	Electronic Devices and Circuits	Signals and Systems	Digital System Design
ETM	Mathematical Analysis	Network Theory	Electronic Devices and Circuits	Signals and Systems	Digital System Design

Question Paper Pattern: As per academic regulations

Principal
Principal
G. Narayanna Institute of
Technology & Science (Autonomous)
Shaikpet, Hyderabad - 500 104.

Figure B.2.2.1.c: II year, I- Sem, II-Mid schedule for AY 2022-23

G. NARAYANAMMA INSTITUTE OF TECHNOLOGY & SCIENCE- SHAIKPET HYDERABAD- 500 104

II B.TECH (I SEM) - UNITS-818 I Mid EXAMINATIONS May -2023

TIME-TABLE

TIME :10.00 AM TO 12.00 NOON

	01-05-2023 (MON DAY)	02-05-2023 (TUE DAY)	03-05-2023 (WED DAY)	04-05-2023 (THU DAY)	05-05-2023 (FRI DAY)
EIE	Transistor Technology and Applications	Material Science	Digital Electronics	Electrical Machines-II	Power Systems-I
ECE	Probability Theory & Stochastic Process	Material Science	Analog Circuits	Analog & Digital Communication	Microprocessors & Microcontrollers
ETM	Probability Theory & Stochastic Process	Material Science	Analog Circuits	Analog & Digital Communication	Microprocessors & Microcontrollers

Question Paper Pattern: As per academic regulations

Principal
Principal
G. Narayanna Institute of
Technology & Science (Autonomous)
Shaikpet, Hyderabad - 500 104.

Figure B.2.2.1.d: II year, II- Sem, I-Mid schedule for AY 2022-23

G. NARAYANAMMA INSTITUTE OF TECHNOLOGY & SCIENCE-SHAIKPET HYDERABAD- 508 104
 G. NARAYANAMMA INSTITUTE OF TECHNOLOGY & SCIENCE-SHAIKPET HYDERABAD- 508 104
TIME : 2.00 PM TO 4.00 PM

	16-07-2023 (MON DAY)	16-07-2023 (TUE DAY)	16-07-2023 (WED DAY)	16-07-2023 (THU DAY)	17-07-2023 (FRI DAY)
ISE	Functions Techniques and Applications	Maths/Science	Digital/Electronics	Physical Mechanics-II	Probability-I
ICE	Probability Theory & Statistical Process	Maths/Science	Analogue/Circuits	Analog/Digital Communication	Microprocessors &Microcontrollers
ITM	Probability Theory & Statistical Process	Maths/Science	Analogue/Circuits	Analog/Digital Communication	Microprocessors &Microcontrollers

Question Paper Pattern: As per academic regulations

Principal
 G. Narayanaamma Institute of
 Technology & Science, Shaikpet
 Hyderabad-508104

Figure B.2.2.1.e: II year, II- Sem, II-Mid schedule for AY 2022-23

G. NARAYANAMMA INSTITUTE OF TECHNOLOGY & SCIENCE-SHAIKPET HYDERABAD- 508 104
 G. NARAYANAMMA INSTITUTE OF TECHNOLOGY & SCIENCE-SHAIKPET HYDERABAD- 508 104
TIME : 1.00 PM TO 5.00 PM

	16-07-2023 (TUE DAY)	16-07-2023 (TUE DAY)	17-07-2023 (WED DAY)	17-07-2023 (THU DAY)	17-07-2023 (FRI DAY)
ISE	Functions Techniques and Applications	Maths/Science	Digital/Electronics	Physical Mechanics-II	Probability-I
ICE	Probability Theory & Statistical Process	Maths/Science	Analogue/Circuits	Analog/Digital Communication	Microprocessors &Microcontrollers
ITM	Probability Theory & Statistical Process	Maths/Science	Analogue/Circuits	Analog/Digital Communication	Microprocessors &Microcontrollers

Question Paper Pattern: As per academic regulations

Principal
 G. Narayanaamma Institute of
 Technology & Science, Shaikpet
 Hyderabad-508104

Figure B.2.2.1.f: II year, II-sem End Semester Examinations Timetable

The following is the process of allocating courses to faculty, preparing timetables, preparing course plans and conduction of internal semester examinations and semester end examinations for each semester based on the Academic Calendar.

1. Process of Allocating Theory Courses and Lab Courses to the Faculty:

- The list of theory courses and laboratory courses for the semester is displayed to the faculty for taking their choices.
- The preferences of theory and lab courses indicated by the faculty members is consolidated.
- Theory and lab courses are assigned to each faculty member based on their expertise as well as the department requirement.

2. Process of Dissemination of Timetables:

- Year wise class timetables are prepared.
- Individual timetables are prepared for each faculty member based on class timetables.
- The year wise timetables are communicated to the students and faculty members.
- The individual timetables are communicated to the respective faculty member.

UNIVERSITY OF JERUSALEM		DEPARTMENT OF EDUCATION	
TIME TABLE - ACADEMIC YEAR 2023 - 2024		DEPARTMENT - EEI	
Academic Year: 2023 - 2024			
Branch: EIT		Time Table for: 11-06-2023	
TIME	1	2	3
DAY	10:00-11:00	11:00-12:00	12:00-13:00
MON	NTA	EEI	SECVT
TUE	EEI	EEI	EEI
WED	Placement Training		
THU	EEI Lab(1)/PP Lab(2)/EEI Lab(3)		
FRI	SECVT	SECVT	EEI
SAT	EEI	EEI	NTA

Subject	Name of the Faculty	Subject Lab	Name of the Faculty
Signals, Systems and Circuits (SECVT) (20A)	Dr. N. Khatib	Basic Electronics Lab (BSL) (20A)	Dr. N. Khatib
Python Programming (PP) (20A)	Dr. T. Amara	Python Programming Lab (PPL) (20A)	Dr. T. Amara
Electronic Devices and Circuits (EEI) (20A)	Dr. T. Amara	Electronic Devices and Circuits Lab (EEI-L) (20A)	Dr. T. Amara
Signals and Systems (SS) (20A)	Dr. N. Khatib	Signals and Systems Lab (SSL) (20A)	Dr. N. Khatib
Power Theory & Analysis (PTA) (20A)	Dr. N. Khatib	Power Theory & Analysis Lab (PTA-L) (20A)	Dr. N. Khatib
Mathematical Methods (MM) (20A)	Dr. N. Khatib	Mathematical Methods Lab (MML) (20A)	Dr. N. Khatib

Class Teacher: Dr. N. Khatib

Dept. Timetable Coordinator:  DEPT. TIMETABLE COORDINATOR

Copy for Individual Staff/EEI/Coord. Time Table Coordinator/Principal/Notice Board


HOD:  PRINCIPAL: 

Figure B.2.2.1.g: Sample copy of Time table

3. Preparation of Course Plans

- After course allocation and timetable preparation, each faculty prepares a detailed course plan for the course allotted to them.
- Course plan outlines the topics covered in every hour of class time, ensuring coverage of syllabus and content beyond the syllabus.
- It also specifies which textbooks/ online resources will be used for covering each topic.
- The course plan also specifies the methods and strategies that will be employed for teaching each topic.

Sample copy of course plan is shown in Figure B.2.2.1.h.

G. NARAYANAMMA INSTITUTE OF TECHNOLOGY & SCIENCE (For Women)
(AUTONOMOUS)
Shaikpet, Hyderabad, Telangana

DEPARTMENT OF ELECTRONICS AND TELEMATICS ENGG.

Program Name:	B. Tech	AY	2022-23
Course Name & Code:	Analog Circuits (AC) PC114HF	Class / Sem	II B. Tech, II Sem
Faculty Name:	Dr. T. Saritha		Instruction Period: 06-03-23 to 01-07-23

Lecture No	Topic	Book / Web Reference	Teaching Method(s)
UNIT-1			
1.	Different coupling schemes used in amplifiers	T-1,R-2, W4, W3	CT
2.	Analysis of cascaded RC coupled amplifiers	T-1,R-2, W1, W4, W3	CT
3.	Analysis of cascode amplifiers	T-1,R-2, W4, W3	CT
4.	Analysis of darlington pair	T-1,R-2, W4, W3	CT
5.	Classification of amplifiers	T-1,R-2, W5	CT
6.	Distortion in amplifiers	T-1,R-2, W5	CT
7.	Various classes of operation	T-1,R-2, W3	CT
8.	Class A power amplifier-efficiency calculation	T-1,R-2, W1, W5	CT
9.	Transformer coupled class A-efficiency	T-1,R-2, W3	CT
10.	Push -Pull class B-efficiency	T-1,R-2, W3	CT
11.	Complementary-symmetry class B, concept of tuned amplifier	T-1,R-2, W3	CT, Quiz
12.	Application of tuned amplifier, Revision of unit 1	T-1,R-2, W3	CT, ASQ
UNIT-2			
13.	Low pass RC circuit and their response for sinusoidal	T-1,R-2, W5	CT
14.	Low pass RC circuit and their response for step and pulse	T-1,R-2, W3	CT
15.	Low pass RC circuit and their response for square and ramp	T-1,R-2, W1, W3	CT
16.	Low pass RC circuit as integrator	T-1,R-2 W5,	CT, Quiz
17.	High pass RC circuit and their response for sinusoidal	T-1,R-2, W3	CT, V
18.	High pass RC circuit and their response for step and pulse	T-1,R-2, W3	CT, V
19.	High pass RC circuit and their response for square and ramp	T-1,R-2, W1, W3	CT
20.	High pass RC circuit as differentiator	T-1,R-2, W3	CT, Quiz

21.	Diode clippers	T-1,R-2, W5	C/T
22.	Clipping at two independent levels	T-1,R-2 W5	C/T
23.	Concept of clampers, revision of unit II	T-1,R-2, W5	C/T, ASQ
UNIT-3			
24.	Analysis of bistable multivibrator	T-2,W1,W2, W5	C/T
25.	Design of bistable multivibrator	T-2, W1,W2, W5	C/T
26.	Commensating capacitors, types of triggering	T-2, W1, W5	C/T, Q&A
27.	Direct coupled binary	T-2,W1,W2,W5	C/T
28.	Collector coupled monostable multivibrator	T-2,W1,W2,W5	S/P
29.	Collector coupled astable multivibrator	T-2,W1,W2,W5	S/P
30.	Schmitt trigger using transistors, revision of unit III	T-2,W1,W2,W5	S/P, ASQ
UNIT-4			
31.	Ideal op-amp	T-3,R-1, W5	S/P
32.	Practical op-amp	T-3,R-1, W5	C/T
33.	DC characteristics of op-amp, AC characteristics of op-amp	T-3,R-1, W5	S/P
34.	Features of 741, inverting and non-inverting modes of operation	T-3,R-1, W5	C/T
35.	Applications of open and closed loop op-amps-differential amplifiers	T-3,R-1, W5	C/T
36.	Logarithmic amplifier	T-3,R-1, W5	C/T
37.	Differentiator and integrator	T-3,R-1, W5	C/T
38.	Summing amplifier, precision rectifier, revision of unit IV	T-3,R-1, W5	C/T, ASQ
UNIT-5			
39.	Functional diagram of 555 timer	T-3,R-1, W5	C/T
40.	Monostable operation of 555, applications	T-3,R-1, W5	C/T
41.	Astable operation of 555, applications	T-3,R-1, W5	C/T
42.	IC 565 PLL block and schematic explanation	T-3,R-1, W5	C/T
43.	Applications of IC 565, weighted resistor of DAC	T-3,R-1, W1,W5	C/T
44.	R-2R of DAC, single slope of ADC	T-3,R-1, W1,W5	C/T
45.	Dual slope of ADC, successive approximation of ADC	T-3,R-1, W5	C/T
46.	Flash of ADC	T-3,R-1, W5	C/T

47.	Revision of unit V	T-J,R-L,W5	C/T, ASG
48.	Discussion of Previous Question Papers		CT

Teaching Methods:

CAT: Chalk & Talk; SP: Slides/PPT; Video; SEM: Seminar; Demo; CHART; ETAGL: Expert Talk/Guest Lecture; QUD: QPS: Class room problem solving; GD: Group discussion; RTCS: Real time case studies; JAR: Journal article review; PD: Poster design; CL: Online lecture/Google class room; Industrial Visit (IV), Assignment (ASG), Quiz/Puzzle (Q), Brain storming (BS), Think-Pair-Share (TPS), Certification(CERT), SIM: Simulation, PG: Pledge/Meeting, QR: Quizes, referencs, LS: Literature Survey, RW: Report Writing, MM: Model making, PED: Professional/ethical dilemma, Coding, Activity/Event, FV: Field Visit etc.

Text / Reference Books:

T-1: J. Millman, H. Taub and Mohitki S. Prakash Rao, Pulse, Digital and Switching Waveforms, 2nd Edition, McGraw Hill, 2008.

T-2: J. Millman and Christos C. Halkias, Integrated Electronics, TMH, 2010.

T-3: Rameshwar A. Gayakwad, Op-Amps & Linear ICs, PHI, 2003.

R-1: D. Roy Chowdhury, Linear Integrated Circuits, 2nd Edition, New Age International (p) Ltd, 2003.

R-2: J. Millman and A. Grabel, Microelectronics, 2nd Edition, McGraw Hill, 1988.

Web References:

- W-1: NPTEL / SWAYAM: <https://nptel.ac.in/courses/098101094>
- W-2: PG Pathshala: <https://www.informatica.com/learn/learn/subject/course.html?subject=OHS&EYSM=...>
- W-3: MOOCs: <https://www.coursera.org/learn/online-wave-circuit-design>
- W-4: Other Government initiatives: https://www.itg.ac.in/groups/pb218/Lec_13.pdf
- W-5: Institution LMS: <https://learning.com/learn/course/257694990>


Signature of Course Coordinator

Figure B.2.2.1.h: Sample copy of course plan

4. Internal and Semester End Exams:

The internal semester examinations and semester end examinations are scheduled in compliance with the Academic Calendar by the Institute Controller of Examinations

Advantages of Academic Calendar:

- Smooth functioning of the program.
- Allows the dean academics, parents and students to monitor the course coverage and relevance to PO attainments.
- Helps the administrator to monitor day today activities.
- Motivates advance learners to participate in hackathon programs, Conferences and workshops.
- Create awareness on training programs.
- Procedural aspects of Lab conduction and assessments

B. Pedagogical Initiatives(2):

The quality teaching-learning process is one of the major objectives and strengths of the ETE Department. Students are provided with combination traditional and innovative methods to make learning effectively. The Department of ETE provides a very good platform for students to improve their skills, knowledge and attitude to shape their behavior into multi-faceted. Various programs are organized to motivate and provide a platform to faculty to explore the pedagogical initiatives adopted by faculty of ETE Department. Table B. 2.2.1.a shows a sample copy of the methods adapted by faculty in teaching. Table B.2.2.1.b shows various teaching methods.

Table B.2.2.1.a: Summary of Teaching methods used by the faculty for the Academic year 2022-23

G.NARAYANAMMA INSTITUTE OF TECHNOLOGY AND SCIENCE FOR WOMEN ELECTRONICS AND TELEHATICS ENGINEERING		SUMMARY OF STUDENT CENTRIC METHODS																													
A.Y: 2022-23 Semester-II		EXPERIENTIAL LEARNING														PARTICIPATIVE LEARNING															
S.No	FACULTY NAME	TEACHING METHODS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
1	Dr.R. Pravee Latha Reddy	20P-14	✓																												
2	Dr.Raj Kumar L. Reddy	20P-19	✓																												
3	K.Kandasa Reddy	20S-40	✓																												
		20C-24	✓																												
		20C-24	✓																												
4	Prithvika Krishna	20PAC-14	✓																												
		20PAC-14	✓																												
5	Dr.A. Jayaram	20PAC-14	✓																												
6	Dr.M. Vijaya Lakshmi	20PAC-14	✓																												
7	V. Anitha	20C-24	✓																												
8	V. Anitha	20C-24	✓																												
9	V. Anitha	20C-24	✓																												
10	V. Anitha	20C-24	✓																												
		20C-24	✓																												
11	V. Anitha	20C-24	✓																												
12	A.Chandee Mathi	20C-24	✓																												
		20C-24	✓																												



Simulation



Activity based learning



Seminars



Demonstration



Peer Learning Groups



Power Point Presentation



Activity based learning

Open book test



Cross words -1

Cross words-2

Figure B.2.2.1.i: Sample photos of student centric methods

The various student centric methods adapted in teaching-learning process as mentioned in Figure B.2.2.1.i can be classified into three categories and are listed in following Table B.2.2.1.b

Table B.2.2.1.b: Classification of Student Centric Methods

EXPERIENTIAL LEARNING	PARTICIPATIVE LEARNING	PROBLEM SOLVING
Hackathons (1)	Video (8)	Project based learning (21)
Workshops (2)	Demonstration (9)	Real time case studies (22)
Seminars (3)	Activity-based learning (10)	Worksheets (23)
Virtual Lab (4)	Jigsaw (11)	Open book test (29)
Simulation (5)	Think pair share (12)	Proto type model (30)
Role play (6)	Flipped Class room (13)	Cross words (31)
Review web literature (7)	Plicker (14)	Research Projects (32)
Journal Review (27)	Guest lecture (15)	Viva (34)

	GD/ debate (17)	Poster presentation (36)
	Peer learning groups (18)	
	MOOCs (19)	
	Google Classroom (20)	
	PPT (24)	
	Kahoot (25)	
	Mind Map (26)	
	Pogil (28)	
	Language games (33)	
	Public speaking (35)	
	Professional practice school (16)	

C.Methodologies to support weak students and encourage bright students Assisting weak Students(2):

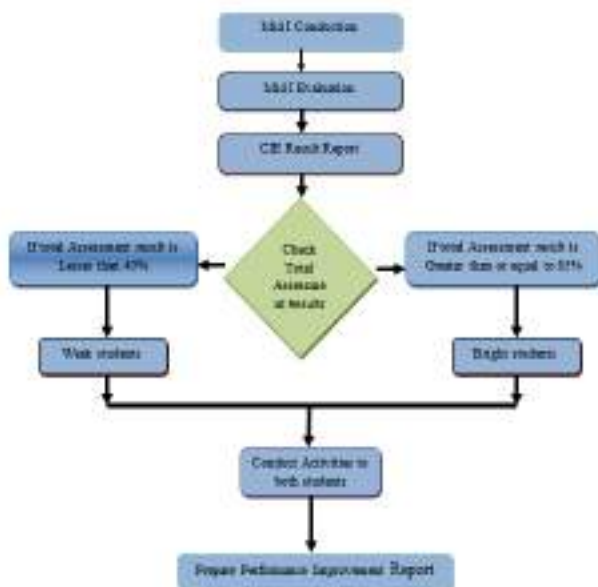


Figure B.2.2.1.j: Process for weak and bright students

The students taking admission into this college from diverse social, cultural, economic and linguistic backgrounds with varied levels of knowledge, aptitudes and skills making their learning needs uniquely differential, hence their learning capabilities are different.

Continuous Internal Assessment components like Class Tests, Assignments, Quizzes, Projects, Seminars, Poster Presentations, Group Discussions, Role Plays, Analytical Reviews, Presentations and Internships help assess the learning levels of the students to identify weak and bright students.

The students are classified as weak students and bright students are given below:

- weak students (less than 40% in Continuous Internal Evaluation)
- Advanced Learners (85% and above in Continuous Internal Evaluation)

Measures taken for weak students:

For the students who are identified as weak students, ETE Department supports them by providing the following facilities as shown in Figure B.2.2.1.k.



Figure B.2.2.1.k: Facilities provided for weak students

Conduction of remedial classes: Remedial classes are arranged in ETE Department to students who fail in Semester End Examinations. All students who did not meet the passing criteria in each Course are grouped together, and a designated faculty member for each Course is assigned to conduct remedial classes. These classes are conducted before the Supplementary Exams. This approach enables students to simultaneously manage the backlogs along with their regular coursework and enhancing their chances of clearing their backlogs. Sample copy of remedial classes allotment to faculty and attendance sheet for one of the subjects is shown in the Figure B.2.2.1.l and Figure B. 2.2.1.m. respectively.



Figure B.2.2.1.l: Sample copy of remedial classes circular

G. Narayanaiah Institute of Technology & Science (For Women)
 Shaligat - 500 104
 09/04/2022 Date: 11/05/2022

The attendance of Remedial Classes
 Subject: CCS Class: III-I Sem

Roll No./Date	17/05/2022	24/05/2022	31/05/2022	07/06/2022
1925LR1713	P	P	P	P
1925LR1715	P	P	P	P
1925LR1727	P	P	P	P
1925LR1733	P	P	P	P
1925LR1734	P	P	P	P
1925LR1735	P	P	P	P
1925LR1739	P	P	P	P
2023LR1704	P	P	P	P

- Summary:
- Introduction to Control System.
 - Signals (units, step, Ramp, impulse)
 - Derivation problems
 - Plot of Locus function
 - Problem - Root plot & Compensation

[Signature]
 Assistant Professor

[Signature]
 K. K. Reddy
 20/05/2022

Figure B.2.2.1.m: Sample copy of remedial class attendance.

Question Bank Discussion: The faculty prepares a Question Bank containing frequently asked questions from previous semester End exams or some questions designed to understand the key concepts. These questions cover the entire Course and are supplied to slow learners. They are encouraged to solve these Questions independently and meet the respective course instructor to seek clarification. This approach aims to help the weak students to build confidence in attempting the Semester End Examinations.

Counseling Session: Every Course Coordinator identifies students who have scored below 40% marks in continuous internal examinations-I as weak students in their respective courses. The Course Coordinators meet these students, ascertain the reasons for their low scores, and counsel them accordingly. Sample copy of Counseling report is shown in Figure.B. 2.2.1.n:

GNTS		GATEWAY/ERW/19			
Encouragement for Bright & Weak Students		Department: ECE			
COUNSELING REPORT OF WEAK STUDENTS					
Batch: 2021 - 2024	Subject: Educational Devices and Circuits	Date: 21-11-21			
AB: 2021 - 2024	Year, Section: B.TY Sem-I				
<p>The following students of B. Tech ECE/20V have scored less than or equal to 40% (10 out of 25 marks) in ECE-I. They have been identified as weak students and counseling session is conducted for them individually addressing their difficulty in understanding the subject. The reasons for low marks and suggestions by faculty are summarized below.</p>					
S. No	Roll No.	Marks	Reasons for low marks in Midt Exam	Suggestions by the faculty for improvement	Student Signature
1	22210A1702	18	did not attend enough classes for response in mid exam	attend classes regularly	<i>[Signature]</i>
2	22210A1711	10	did not attend classes properly and it's important mid	attend classes regularly	<i>[Signature]</i>
3	22210A1704	12	did not attend classes properly and it's very important	attend classes properly and prepare for mid exam	<i>[Signature]</i>
4	22210A1709	13	due to less preparation for exam and not attending classes	every day study 2 or 3 hrs	<i>[Signature]</i>
5	22210A1708	11	lack of practice & not prepared for mid exam	practice more and attend classes	<i>[Signature]</i>

1	CONTAINS	18	did not attend enough. Please will improve in next.	Attended all days regularly assigned	[Signature]
2	ISSUES	18	Due to lack of practice	After continue to practice more & practice well	[Signature]

Signature of Faculty: [Signature]
Date: _____

Head of the Dept: [Signature]
Dr. Rajan K. Srinivas

Figure B.2.2.1.n: counselling report of weak students

Laboratory Activities: Some of the Courses in each Semester are associated with Labs. Lab activities can benefit weak students in many ways rather than solely depending on theoretical explanations, practical hands-on experiences can make abstract concepts easier to understand. Faculty can dedicate additional help to weak students so that they understand difficult concepts, which may be challenging to convey solely through theoretical classes.

Weak students may struggle with traditional classroom instruction because they find it difficult to stay engaged. Activities and labs often make them interactive and stay engaged, which can increase motivation and interest in subject.

Laboratory activities make the students collaborate and work together, share ideas and learn from one another. The weak students can benefit from peer support and assistance, as well as get an opportunity to explain concepts to their peers, which can deepen their own understanding.

Attendance/Notes: Most commonly it is observed that students who are irregular in attending classes tend to not perform well in their academics. To address this issue, ETE Department implements the following measures:

- Each Course Coordinator monitors student attendance at the end of every month. If any student's attendance falls below 75%, they are reminded of the importance of regular attendance.
- Every faculty is responsible for counselling a group of 18 students. At the month end, an attendance report will be prepared for all Courses. If a student's attendance is below 75%, a communication letter is sent to their parent/ guardian through the student, informing them of the situation. If the attendance is below 65%, the Class Teacher makes call to the parent/ guardian and inform about the attendance of the student. Sample copy of shortage of attendance form (below 75%) and communication to parent is shown in Figure. 2.2.1.o. Through these procedures, ETE Department ensures the regularity of students to classes. In case of genuine absence, faculty provide study material of the missed classes to the students.

**S. NARAYANAMMA INSTITUTE OF TECHNOLOGY & SCIENCE
(FOR WOMEN)
Autonomous**

Sub: Shortage of attendance - Regd

To: The Parent Date: 21/4/23

Your daughter/son P. Sankarshani of W4 ETE branch bearing H.F.No. 211212023 has put up 50% attendance from 18/18 to 18/18. As per the College regulations, a candidate has to obtain a minimum of 75% of cumulative attendance in all the subjects by the end of the academic year to be promoted for her next academic year. In case she doesn't improve the attendance, she will be detained. This is for your kind information.

Class Teacher Concerned: [Signature] HOD, ETE: [Signature]

I, P. Sankarshani representative of P. Sankarshani will ensure that my ward will obtain a minimum of 75% of cumulative attendance in all the subjects by the end of the academic year. In case she doesn't improve, I am aware of the consequences that she will be detained and have to repeat the same class as and when it is offered.

Signature of the Student: [Signature] Signature of the Parent/ Guardian: [Signature]

Date: _____

Name of the Candidate: P. Sankarshani
H.F.No: 211212023
Percentage of Attendance: 50%
Class: B.T.E & Stud. 2nd

Figure B.2.2.1.o: sample copy of letter from student and parent having less attendance.

6. Bridge Courses: Every year, around 6 to 7 students enroll in the Second year after completion of their diploma course as Lateral Entries. As they lack exposure to the Mathematical Courses offered in First year, they encounter difficulty in understanding Courses which require mathematical proficiency. To support these students, Mathematics faculty offer bridge courses during the first semester of second year. The Bridge Course aims to make the students get familiarized with the concepts they missed in First Year, providing them with a foundational understanding of further coursework. One hour in every week is provided for the Bridge course. Sample copy of Time Table with Mathematics Bridge Course (MBC) is shown in Figure 2.2.1.q.

UNITS				LUNCH			
TIME TABLE 2023-2024				DEPARTMENT / ETE			
Academic Year-2023-2024							
Semester - I				Semester - II			
Branch: ETE	Name of the Faculty			Name of the Faculty			
TIME	1	2	3	4	5	6	7
MAY	09:00-10:00	10:00-11:00	11:00-12:30	12:30-01:00:00	01:00-02:00	02:00-03:00	03:00-04:00
MON	MCA	ETC	Break	MCA	BC Lateral (PP) Lab (Lateral) Lab (L)		
TUE	PP	ETC	Break	ETC	BC Lateral (PP) Lab (Lateral) Lab (L)		
WED	Placement Training			BC Lateral (PP) Lab (Lateral) Lab (L)			
THU	BC Lateral (PP) Lab (Lateral) Lab (L)			BC Lateral (PP) Lab (Lateral) Lab (L)			
FRI	MCA	MCA	Break	M	BC Lateral (PP) Lab (Lateral) Lab (L)		
SAT	ETC	ETC	Break	N/A	ETC		

Roll No.	Co-1: 2223141794-1722-1794-1794	Co-2: 2223141794-1722-1794-1794	Co-3: 2223141794-1722-1794-1794
Subject	Name of the Faculty	Subject	Name of the Faculty
Special Education and Computer Graphics (SPE-1722-1794-1794)	Dr. M. S. Jadhav	Basic Electronics Lab (BC-1) (L)	Dr. M. S. Jadhav
Python Programming (PP-1) (L)	Dr. M. S. Jadhav	Python Programming Lab (PP-1) (L)	Dr. M. S. Jadhav
Electronic Devices and Circuits (EDC-1) (L)	Dr. M. S. Jadhav	Electronic Devices and Circuits Lab (EDC-1) (L)	Dr. M. S. Jadhav
Special Education (SPE-1) (L)	Dr. M. S. Jadhav	Constitution of India (Co-1) (L)	Dr. M. S. Jadhav
Network Theory & Applications (NTA-1) (L)	Dr. M. S. Jadhav	OS & Personality Development (OSD) (L)	Dr. M. S. Jadhav
Maths (MCA-1) (L)	Dr. M. S. Jadhav	Mathematics Bridge Course (MBC)	Dr. M. S. Jadhav

Dept. Head/Head Coordinator: *[Signature]*
 Time Table Coordinator: *[Signature]*
 Principal: *[Signature]*

Figure B.2.2.1.p: Time table with bridge course

Encouragement for bright students:

For the students who are identified as Fast Learners, ETE Department encourages them by providing various activities other than their regular course work which is depicted in Figure. B.2.2.1.q.



Figure B.2.2.1.q: Facilities provided for bright students

1. **Freeships** : At the end of every academic year, Freeships are granted to students under across various categories as a token of appreciation. Table 2.2.1.c outlines various criteria for each Award and the number of students who receive them annually. Students identified as bright students through internal assessments are counselled by their respective subject teachers and are encouraged to engage in various activities as depicted in Figure . 2.2.1.r. By the semester's end all the subject teachers compile reports detailing the various activities in which advanced learners participated as a result of counselling. A sample copy of counselling for bright students and Hackathon participation by one of the counselled student are illustrated in Figure. B.2.2.1.r and B. 2.1.1.s respectively..



G. NARAYANAMMA INSTITUTE OF TECHNOLOGY & SCIENCE (For Women)
(AUTONOMOUS)
Shakpet, Hyderabad - 500104

EET Department

Summary sheet for the Institutional sponsored free ships of the academic year 2022-23.

S. No	Name of the Scheme	No of Students Benefitted
1	AWARDS	
	Academic Toppers	20
	Attendance Toppers	23
	Best Placement Package	4
	Gold Medal	1
	Young Engineer Awards	1
	Top Ranker in TOEFL	1
	Top Ranker in GRE	1
	Best Minor Projects	18
	Best Mini Projects	20
Total	98	
2	Free Books	15
3	ISIT	64
4	Alumni Scholarship	2
	Total	179

PN
In charge

K. R. S. Nagar
HOD, ETE

Figure B.2.2.1.r: Free ships data of AY 22-23

Table B.2.2.1.c: Freeship Categories and Criteria for the Awards

S.No	Category	Criteria	How many students (or who) receive the award
1	Academic Toppers	CGPA/SGPA secured by the student	I Year- 5 from each section II Year- 5 from each section III Year- 5 from each section IV Year- 5 from each section

2	Attendance Toppers	Percentage of Attendance secured in Academic year. Above 90% are considered	I Year- 5 from each section II Year- 5 from each section III Year- 5 from each section IV Year- 5 from each section
3	Best Placement Award	Highest pay package in that Year	All the Final year students who received highest pay package.
4	Gold Medal Winner	CGPA for all the four years of B.Tech	Topper among all the three sections will be honoured with Gold medal as a token of appreciation for their consistent hard work throughout the 4-year journey.
5	Young Engineer Award	Various factors including academic performance and involvement in extra/ co-curricular activities over four years.	One student from Final year.
6	Top Ranker in GRE/GATE/IELTS	Based on the GRE/GATE/IELTS scores/ rank obtained	Top rank achieved among the three sections of final year receives this award. One award under each category is given.

2. **Internships** –Students are advised to take up Internships in various Industries/fields in order to gain practical knowledge, develop skills, and gain exposure to a particular industry or field of work.

3. **Value Added Courses / Hackathons /GATE** : Students are advised to take Value Added Courses to score additional credits upon completion of these courses. And also advised the students to participate in hackathons to foster creativity, problem-solving skills, teamwork, and entrepreneurship among students. This provides them with a platform to apply their knowledge and skills to develop innovative solutions.

4. **Paper Presentations / Publications with financial support by the college to publish papers:** Bright students are encouraged to engage in research and innovation work. They are provided with references to journals and advanced study material and seed money for student research. Faculty mentors are assigned to enterprising students who guide them in writing and publishing research papers/provide guidance for innovation/entrepreneurship. Specialized academic clubs like technical associations are set up by all UG Departments that offer a platform for students to explore beyond classroom learning and participate in projects.

5. **Laboratory Activities:**Bright students are encouraged to perform additional experiments in the laboratory, distinct from their usual experiments listed in the course curriculum. In addition to performing this additional experiment they are expected to also make their other batch mates to perform that experiment. By integrating such activities enriches the learning environment for both bright students and their peers.

6. **GATE/ GRE/ GMAT:** Students aspiring to pursue further studies are encouraged to prepare for standardized tests such as GATE, GRE, GMAT, etc. GNITS library offers preparation materials for these competitive exams, which students can access. Additionally, faculty members help students in solving some challenging questions.





Figure B.2.2.1.s: certificates of students in different activities



Figure B.2.2.t: counseling report of bright students

D. Quality of Classroom Teaching(2)

The department's commitment to providing modern teaching aids and supportive learning environment is evident in the various facilities and resources it offers to its students. These include:

- All classrooms in the department is equipped with Smart boards, allowing teachers to present information and visuals effectively.
- The department also has LCD projectors, which are used for presenting information and conducting seminars.
- Each classroom is provided with a personal notice board to facilitate communication among students and for sharing information.
- The structure of the syllabus and academic regulation is available on the college website, allowing students to access and understand the course structure.
- Students are given the opportunity to choose their electives and select projects and seminars, ensuring a personalized learning experience.

ETE Department is very particular in maintaining quality of teaching in the classroom.

Every faculty in this Department is trained to deliver the content in the classroom by adopting following procedures.

Step 1: Create an outline:

What is the main goal for the lecture

Create 3-5 objectives for the lecture: These will describe how the teacher help the learner reach the goal

Create an outline for the key concepts required to understand these objectives

Create a timeline for the session

Step 2: Create a timeline: As per our class timetable, every session is planned for 60minutes.

Time	Activity
5 mins	Revision of previous class content
5 mins	Formative Assessment (2-3 questions on previous class)
20 mins	Deliver of new content
5 mins	Interactive questions
20 mins	Continuation of the content
5 mins	Review / Questions / Summary of the session

Step 3: Slides preparation:

For a 60 minutes lecture , plan no more than 20 slides

PPT will contain the following o Font size for body text is 20 to 32

Provide an outline slide

Use short phrases

More graphics, less text

Move tables and dense text to a separate handout

Step 4: Be confident

Talk to the students, not to the slides / blackboard

Make eye contact with the students in different parts of the classroom

Talk clearly, not too fast, not too slow

Use humor judiciously. Keep it professional.

Step 5: Provide links for web content

Quality of classroom teaching is measured by

- Quality of content delivered by the faculty.
- Use of various instructional strategies to meet all the students understanding level.
- Student-teacher interaction that benefits the students to learn.
- Effectiveness of the content delivery.
- Objectivity in assessment.
- Transparency in evaluation.
- Attainment of Cos, Pos&PSOs.
- Plan of action for unattained COs, POs and PSOs.
- ICT based classrooms in our department helps the faculty to implement OBE system and students to improve their learning skills.
- Program Vision, Mission, POs & PSOs are displayed in classroom notice boards for the student awareness to understand the significance of the program. The notice board is used to update the schedule regarding the exam conduction, revision etc.

E. Conducting Experiments(2)

- Laboratory teaching is the major learning aspect of Engineering curriculum.
- The experiments in the laboratories are conducted as per the course plan and the discussion with the course coordinator.
- All the laboratories are fully equipped as per the standard norms and proper safety measures are followed throughout.
- The students are provided with the laboratory Manuel with instructions and procedures for each experiments.

- The students are continuously monitored and evaluated in each laboratory sessions with laboratory specific rubrics which is framed before the start of the semester.
- The rubrics are provided in the manual for the students to get aware of it.
- The students are divided into groups, each group consisting of 4 students in hardware and one student for each PC in software labs.
- The faculty gives a brief of the experiment to be conducted, outcome and application.
- Every student's performance is assessed during lab session in terms of model calculations, result, discussions, viva and record submission.
- Students maintain observation books and lab records which are evaluated by faculty.
- Safety measures are displayed in the lab.
- Fire Extinguisher systems& First aid, are available in labs.

G.NARAYANAMMA INSTITUTE OF TECHNOLOGY & SCIENCE (FOR WOMEN) SHAIKPET, HYDERABAD.	
SNITS	ETE/LPOM/1401
LAB CYCLES	DEPARTMENT : ETE
TELECOMMUNICATIONS LAB 3/4 B.Tech, II – SEM (2022 – 2023)	
CYCLE – I	
1. Study the Hidden Terminal problem in WLAN	
2. Study of Crossbar Switching on single PCB	
3. Simulation of LAN Topologies using LAN Simulator	
4. Simulation of TCP/IP Model Protocol using N-Sim	
5. Simulation of Signaling in ISDN	
6. Routing and Console Programming in Digital Automatic Telephone Exchange	
CYCLE – II	
1. Analysis, Simulation and Study of ISDN layers	
2. Simulation of Routing Algorithms In Network Simulator	
3. Simulation of different protocols using LAN Simulator	
4. Plot the characteristics curve of throughput versus offered traffic for Pure and Slotted ALOHA system	
5. Study of Digital Switching Mechaniam in EPABX	
6. Study the working of TCP Binary Increment Congestion Control Algorithm, simulate and plot the TCP congestion window	
Lab Incharge	 HOD, ETE

**G.NARAYANAMMA INSTITUTE OF TECHNOLOGY & SCIENCE
(FOR WOMEN)
SHAIKPET, HYDERABAD.**

UNITS: DEPARTMENT:
LAB CYCLES:

TELECOMMUNICATIONS LAB
3/4 B.Tech, II – SEM (2022 – 2023)
1ST CYCLE

WEEK	B-1	B-2	B-3	B-4	B-5	B-6
1 ST	1A	2A	3A	4A	5A	6A
2 ND	2B	3B	4B	5B	1C	2C
3 RD	3C	4C	5C	1D	2D	3D
4 TH	4D	5D	1E	2E	3E	4E
5 TH	5E	1F	2F	3F	4F	5F
6 TH	6F	1G	2G	3G	4G	5G
7 TH	R	R	R	R	R	R

**** R – Repetition Class**

List of Experiments in First Cycle:

1. Study the Hidden Terminal problem in WLAN
2. Study of Crossbar Switching on single PCB
3. Simulation of LAN Topologies using LAN Simulator
4. Simulation of TCP/IP Model Protocol using N-Sim
5. Simulation of Signaling in ISDN
6. Routing and Console Programming in Digital Automatic Telephone Exchange

**G.NARAYANAMMA INSTITUTE OF TECHNOLOGY & SCIENCE
(FOR WOMEN)
SHAIKPET, HYDERABAD.**

UNITS: DEPARTMENT:
LAB CYCLES:

TELECOMMUNICATIONS LAB
3/4 B.Tech, II – SEM (2022 – 2023)
2ND CYCLE

WEEK	B-1	B-2	B-3	B-4	B-5	B-6
1 ST	1A	2A	3A	4A	5A	6A
2 ND	2A	3A	4A	5A	6A	1B
3 RD	3A	4A	5A	6A	1C	2C
4 TH	4A	5A	6A	1D	2D	3D
5 TH	5A	6A	1E	2E	3E	4E
6 TH	6A	1F	2F	3F	4F	5F
7 TH	R	R	R	R	R	R

**** R – Repetition Class**

List of Experiments in Second Cycle:

1. Analysis, Simulation and Study of ISDN layers
2. Simulation of Routing Algorithms in Network Simulator
3. Simulation of different protocols using LAN Simulator
4. Plot the characteristics curve of throughput versus offered traffic for Pure and Slotted ALOHA system
5. Study of Digital Switching Mechanism in EPABX
6. Study the working of TCP Binary Increment Congestion Control Algorithm, simulate and plot the TCP congestion window

Figure B.2.2.1.u: Sample copy of lab cycles



Figure B. 2.2.1.v: Basic simulation lab

E. Continuous Assessment in the laboratory(3)

Assessment of lab work is done on a regular basis, and students are informed accordingly. Extra programs are suggested on each concept, and students are asked to implement them. The laboratories provide a hands-on learning environment for students to practice practical skills and apply the concepts they have learned in theory. The laboratories are supported by experienced faculty members who provide guidance and support to students as they work through the practical aspects of their courses. Apart from the curriculum, extra programs or experiments beyond curriculum are also conducted. Faculty maintains attendance record of the corresponding lab. Overall, the departments well-equipped laboratories and supportive faculty members contribute to a positive and engaging learning experience for its students.

GNR-18 regulation:

For practical subjects there shall be a Continuous Internal Evaluation (CIE) during the semester for 20 marks (Day to Day Evaluation) and an internal exam is conducted for 10 marks.

Semester end lab exam is evaluated for 70 marks and is conducted by the concerned lab faculty. The end examination shall be conducted with an external examiner and lab faculty. The external examiner shall be appointed from the cluster of colleges as decided by the University examination branch.

Table B.2.2.1.d: Continuous internal evaluation for R-18

S.No.	Observation (5M)	Record (10)	Viva + Execution + Attendance (5M)	Internal lab exam (write up + conduction 5M, Viva 5M)
Roll No.				

For R22 Regulations:

For practical subjects there shall be a Continuous Internal Evaluation(CIE) during the semester for 20 marks and an internal exam is conducted for 20 marks.

External lab exam is evaluated for 60 marks conducted by the concerned lab faculty. The end examination shall be conducted with an external examiner and lab faculty. The external examiner shall be appointed from the cluster of colleges as decided by the University examination branch

Table B.2.2.1.e: Continuous internal evaluation for R-22

S.No.	Observation (5M)	Record (5M)	Viva + Execution + Attendance (10M)	Internal lab exam (write up + conduction 10M, Viva 10M)
Roll No.				

CRC meetings are held few weeks before the Mid Term exams to review the status of syllabus coverage, to know any grievances of students with respect to staff subject content delivery and to decide if any remedial classes are required to cover the prescribed syllabus for the Exam. Based on the CRC meeting report, the HOD will take corrective actions accordingly. The class teacher of the concerned section will provide extra classes for the Subjects lagging in syllabus coverage.

Process for Online Feedback:

The course feedback is collected from students to assess the performance of the faculty in the concerned subject. The Feedback of the faculty is assessed based on the following parameters.

Table B.2.2.1.f: Sample copy of feed back form

S.No.	Parameters	Points
1	Teachers command over the subject	
2	Did the teacher help in understanding concepts and principle	
3	Teachers communication skills	
4	Teachers enthusiasm about teaching	
5	Did the teacher give examples	
6	Did the teacher cover all the units with required importance	
7	Accessibility of teacher outside the class	
8	Interaction with the students during the session	
9	Teachers ability in controlling the class	
10	Punctuality of teacher in engaging the class	
11	Standard of Assignment for learning subject	
12	Discussion of solutions to question papers, assignments and typical questions	
13	Overall rating of the teacher	

Rating for each parameter is assessed as following:

Very Good- 4

Good- 3

Average -2

Not Satisfactory- 1

Basis of Reward: Feedback is considered along with results analysis for promotion rewards and sanction of increments for teachers included in appraisal form.

Corrective measures, if any: Based on the Student feedback and analysis, teachers are advised to improve in the points they are lagging. Faculty members who scores less than 70% are counselled for improvement by head of the department and principal and less than 60% will be required to give written explanation. Faculty members who get less than 60% Feedback will be sent for Faculty Development Program (FDP).

Indices used for measuring quality of teaching & learning and summary of the index value:

Feedback is analysed by generating Statistics using the percentages as follows:

Feedback Calculation:

Values for each criterion, the score is collected and average is computed based on the number of students given.

Total actual score = 13*4 (13 criteria and 4 is maximum score for each criterion.)

d = (total score obtained by a faculty / total actual score) * 100

If d >= 85 % -- comment = Very Good

If d > 80 % -- comment = Good

If d > 70 % -- comment = Satisfactory

If d > 50 % -- comment = Needs to improve

From academic year 2016-17 the comments have been changed to:

If d > 85 % -- comment = Excellent

If d = 76-85 % -- comment = Good

If d = 61-75 % -- comment = Satisfactory

If d < 60 % -- comment = Needs to improve

SI NARAYANAMMA INSTITUTE OF TECHNOLOGY AND SCIENCE (For Women)
FEEDBACK SHEET
 Faculty Name: Mrs. C. Anitha
 Designation: H.OD/Asst. Professor Department: EITM Year: 2
 Semester: I Section: 1A Date: 2024-03-27

SEMESTER NETWORK THEORY AND ANALYSIS

S/N	PARAMETERS	POINTS
1	Students motivated over the subject.	3.50
1	Did the teacher help in understanding concepts and principles	3.50
1	Students Communication skills	3.50
1	Students performance about teaching	3.50
1	Did the teacher give assignments	3.50
1	Did the teacher supply all the tools with required equipment	3.50
1	Availability of teacher outside the class	3.50
1	Interaction with the students during the session	3.50
1	Students ability in conducting the class	3.50
1	Availability of teacher in engaging the class	3.50
1	Students of assignments for learning subject	3.50
1	Availability of questions in question papers, assignments and logical questions	3.50
1	Overall rating of teacher	3.50
AGGREGATE		3.50

FINAL FEEDBACK: 98.8% EXCELLENT

Please go through it carefully. In case you have not been able to do very well in certain aspects, please communicate us there and see that you do well in those aspects also in the next semester/year. In that condition, if you think you need any help from the institution, please don't fail to contact me any time.

With best wishes,

 (Mrs. C. Anitha, HOD/Asst. Professor)
 PRINCIPAL

G. NARAYANAMMA INSTITUTE OF TECHNOLOGY AND SCIENCE (For Women)

FEED BACK RESULT

Faculty Name: Dr.T.Saritha

Degree : B.Tech Department : ETM Year : 2
Semester : I Section : A Date : 2023-12-07

SUBJECT: ELECTRONIC DEVICES AND CIRCUITS

S.NO.	PARAMETERS	POINTS
1	Teachers command over the subject	2.96
2	Did the teacher help in understanding concepts and principle	2.84
3	Teachers Communication skills	3.11
4	Teachers enthusiasm about teaching	3
5	Did the teacher give examples	2.82
6	Did the teacher cover all the units with required importance	3.03
7	Availability of teacher outside the class	3.14
8	Interaction with the students during the session	2.95
9	Teachers ability in controlling the class	3.16
10	Participability of teacher in engaging the class	3.23
11	Standard of Assignment for testing subject	3.05
12	Discussion of solutions to question papers, assignments and typical questions	2.96
13	Overall rating of teacher	2.82
AGGREGATE		39.18

FINAL FEEDBACK: 75.11% SATISFACTORY

Please go through it carefully. In case you have not been able to do very well in certain aspects, please concentrate on them and see that you do well in those aspects also in the next semester/year. In this connection, if you think you need any help from the institution, please feel free to contact me any time.

With best wishes,


(Dr. B. Hanumanth Reddy)
PRINCIPAL

G. NARAYANAMMA INSTITUTE OF TECHNOLOGY AND SCIENCE (For Women)

FEED BACK RESULT

Faculty Name: Dr.T.Saritha

Degree : B.Tech Department : ETM Year : 1
Semester : I Section : A Date : 2023-12-17

SUBJECT: VLSI DESIGN

S.NO.	PARAMETERS	POINTS
1	Teachers command over the subject	3.47
2	Did the teacher help in understanding concepts and principle	3.31
3	Teachers Communication skills	3.28
4	Teachers enthusiasm about teaching	3.18
5	Did the teacher give examples	3.28
6	Did the teacher cover all the units with required importance	3.35
7	Availability of teacher outside the class	3.41
8	Interaction with the students during the session	3.34
9	Teachers ability in controlling the class	3.38
10	Participability of teacher in engaging the class	3.38
11	Standard of Assignment for testing subject	3.34
12	Discussion of solutions to question papers, assignments and typical questions	3.34
13	Overall rating of teacher	3.34
AGGREGATE		40.36

FINAL FEEDBACK: 83.27% GOOD

Please go through it carefully. In case you have not been able to do very well in certain aspects, please concentrate on them and see that you do well in those aspects also in the next semester/year. In this connection, if you think you need any help from the institution, please feel free to contact me any time.

With best wishes,


(Dr. B. Hanumanth Reddy)
PRINCIPAL

Figure B.2.2.1.x: sample copies of Faculty feedback.



Figure B.2.2.1.y: Faculty feedback analysis for last 3 academic years

2.2.2 Quality of end semester examination, internal semester question papers, assignments and evaluation (15)

Institute Marks : 15.00

A. Process for internal semester question paper setting, Assignments and evaluation and effective process implementation (3):

The quality of Internal examination question paper, assignment and evaluation is ensured by a definite process of question paper setting and strategy for evaluation. The pattern of mid exam and end exam Guidelines are provided in R18 & R22 Regulation. All the course coordinators are given guidelines to set question paper for Continuous Internal Evaluations.

The controller of exams issues internal Semester Examination schedule as per the academic calendar. Two Mid-Term Examinations are conducted in each semester as per the Academic Calendar. First Mid-Term Examination is conducted after completion of first eight weeks of instruction and Second Mid-Term Examination is conducted after sixteen weeks of instruction.

Continuous Internal Evaluation (CIE) R22:

For all the Courses, the distribution shall be: 40 Marks for the CIE and 60 Marks for the SEE for the entire UG Degree Programme.

a) For the Theory courses during the semester, the CIE assessment for 40 marks includes two Mid-Term Examinations. Each Mid-Term Examination is conducted for 30 marks, for a duration of 120 minutes, and it shall have two parts :

i) Part-A (Objective/Quiz Paper) for 10 marks.

The Objective/Quiz Paper is set with ten multiple choice/ fill-in the blanks/ match the following type of questions for a total of 10 marks.

ii) Part-B (Descriptive Paper) for 20 marks.

The Descriptive Paper (for 20 marks) shall contain 6 full questions, out of which, the student has to answer 4 questions, each carrying 5 marks

Average of these two Mid-Term Examinations is assessed for 30 marks. The remaining 10 marks of CIE are distributed as i) 5 marks for Assignment (average of 2 Assignments submitted, each for 5 marks), and ii) 5 marks for - Subject Viva-voce/ PPT/Poster Presentation/ Case Study on a topic in the concerned subject.

b) The first mid-term examination shall be conducted in the middle of the semester for the first 50% of the syllabus, and the second mid-term examination shall be conducted at the end of the semester for the remaining 50% of the syllabus.

c) There shall be 2 Assignments per semester, and 5 marks are allocated for each Assignment. The First Assignment should be submitted before the conduct of the first mid-term examination, and the Second Assignment should be submitted before the conduct of the second mid-term examination. The Assignments shall be as specified by the concerned subject teacher, and the Average of these two Assignments shall be taken into account for 5 marks.

d) Assessment (for 5 marks) for the Subject Viva-voce/ Poster Presentation/ Case Study on a topic in the subject concerned shall be carried out before the commencement of II Mid-Term Examinations.

e) Sum of these three components of marks - (i) Average of the two Mid-Term Examinations marks (for 30 marks), (ii) Average of the two Assignments marks (for 5 marks), and (iii) the Assessment for the Subject Viva-voce/ Poster Presentation/ Case Study on a topic in the subject concerned (for 5 marks) – shall be the final marks secured towards the CIE (40 marks) in that Subject/ Course.

- The Student, in each courses, shall have to earn 35% of marks (i.e. 14 marks out of 40 marks) in CIE, 35% of marks (i.e. 21 marks out of 60) in SEE and Over all 40%of marks (i.e. 40 marks out of 100 marks) both CIE and SEE marks put together .
- The student is eligible to write Semester End Examination of the concerned subject, if the student scores ³ 35% (14 marks) of 40 Continuous Internal Examination (CIE) marks.
- In case, the student appears for Semester End Examination (SEE) of the concerned subject but not scored minimum 35% of CIE marks (14 marks out of 40 internal marks), his performance in that subject in SEE shall stand cancelled inspite of appearing the SEE

Continuous Internal Evaluation (CIE) R18:

The performance of a student in each semester shall be evaluated Subject-wise (irrespective of the Credits assigned) with a maximum of 100 marks. These evaluations shall be based on 30% CIE (Continuous Internal Evaluation) and 70% SEE (Semester End Examination), and a Grade corresponding to the % of marks obtained shall be given.

a) For the theory during the semester, the CIE assessment for 30 marks includes two internal examinations. Each internal examination is conducted for 25 marks, for a duration of 120 minutes, and it shall have two parts:

i) Part-A (Objective questions for 10 marks)

Shall contain ten short question/ multiple choice/ fill-in the blanks/ match the following type of questions framed for a total of 10 marks, and

ii) Part-B (Descriptive questions for 15 marks)

Shall contain five full questions, out of which the student has to answer three questions each carrying 5 marks

Average of these two internal examinations is assessed for 25 marks. Further, there shall be an allocation of 5 marks for the assignment, and there shall be 2 assignments

b) The first mid-term examination shall be conducted in the middle of the semester for the first 50% of the syllabus, and the second mid-term examination shall be conducted at the end of the semester for the remaining 50% of the syllabus. The First Assignment should be submitted before the conduct of the first mid-term examination, and the Second Assignment should be submitted before the conduct of the second midterm examination. The Assignments shall be as specified by the subject teacher concerned.

c) The first mid-term examination marks and the first Assignment Marks combined together shall make one set of CIE marks, and the second mid-term examination marks and the second Assignment Marks shall make the second set of CIE marks; and the AVERAGE of the two sets of mid examination marks shall be taken as the final marks secured by the student towards Continuous Internal Evaluation (CIE) in that Theory Subject.

The question paper template of R22 is given in Figure B.2.2.2.a. and R18 in Figure B. 2.2.2.b.

Guide lines to set the internal exam question paper are as follows:

1. All concerned faculty members are requested to prepare question paper with "TIMES NEW ROMAN" font with size 12.
2. While preparing the question paper the paper setter has to follow the "Blooms Taxonomy" and mention the level number against each question.
3. Mention the corresponding Course Outcome (CO) number as per the syllabi against each question.
4. Question papers violating the above format shall not be accepted for printing in Examination Branch.

G. Narayanamma Institute of Technology and Science (for women)

(AUTONOMOUS)

II-B. Tech I-Semester I-Mid Term Examinations, November 2023

Academic Year 2023-24

Subject: xxxx

Subject Code:xxx

Max. Marks: 30

Branch: ETE

Time: 2 Hrs

Date: xxx

Blooms Taxonomy Levels:

Level 1 – Remembering, Level 2 – Understanding, Level 3 – Applying, Level 4 – Analyzing, Level 5 – Evaluating, Level 6 - Creating

Instructions:

1. *Part A contains 10 objective type questions for 10 marks.*
2. *Part B Contains 6 questions out of which 4 FULL questions need to be answered 4 × 5M each = 20 Marks.*

PART=A				
Q.No.	Question	Marks	CO	BT Level
1 a)				
b)				
c)				
d)				
e)				
f)				
g)				
h)				
i)				
j)				
PART-B				

2 a)				
b)				
3 a)				
b)				
4 a)				
b)				
5 a)				
b)				
6 a)				
b)				
7 a)				
b)				

Figure B.2.2.2.a: Question paper template of R22 Midterm Examination

After the examination, the concerned course coordinator collects internal exam answer scripts from the examination section for evaluation. Every course coordinator has to show the valued answer scripts to students in the classroom and review the answers. After evaluation and thorough verification of answer scripts, course coordinators need to post the marks in the ECAP and return the answer scripts to the Department examination section as per the schedule after online entry.

Class assignments/ Assessment tests

Two class assignments/assessments consisting of any one of the alternative assessment tools like online quiz / assignment / objective exam / course project / case study etc. are conducted and evaluated.

The questions are framed in such a way to encourage self-learning habit of students and prepared using blooms taxonomy levels and course outcomes. It also ensures that the student refer different sources to answer the questions. Assignments are evaluated and reviewed to improve their learning capabilities.

The consolidated Mid and class assignment marks are finalized based on academic regulations. A final consolidated mid semester marks statement of the current semester are sent to the Head of the Departments concerned by COE for verification. The below Table B.2.2.2.a gives the details of Consolidated Internal Exam marks.

Table B.2.2.2.a: Template of Consolidated Mid examination marks for theory courses (R22)

S.No	Roll.No.	Mid-I (30M)	AS- I (5M)	Mid- II (30M)	AS- II (5M)	Average= (Mid-I + Mid-II) /2 (30M)	Viva Voice /PPT/Case Study (5M)	Total Marks = (Average+ VivaVoice) (40M)

Table B.2.2.2.b: Template of Consolidated Mid examination marks for theory courses (R18)

S.No	Roll.No.	Mid-I (25M)	AS- I (5M)	CIE- I = (Mid-I + AS- I) (30M)	Mid- II (25M)	AS- II (5M)	CIE- II = (Mid-II + AS- II) (30M)	Total Marks = Average = (CIE-I + CIE-II) /2 (30M)

Semester End Examinations (SEE):

The performance of a student in each semester shall be evaluated Subject-wise (irrespective of the Credits assigned) with a maximum of 100 marks for Theory or Engineering Graphics/ Engineering Drawing or Elective Course or Mini-Projects or Seminar or Project – I (Phase – I) or Project – II (Phase – II) etc.

R22: These evaluations shall be based on 40% CIE (Continuous Internal Evaluation) and 60% SEE (Semester End Examination) basis, and a Grade corresponding to the % of marks obtained shall be given.

R18: These evaluations shall be based on 30% CIE (Continuous Internal Evaluation) and 70% SEE (Semester End Examination) basis, and a Grade corresponding to the % of marks obtained shall be given.

For Theoretical courses around 70% of marks are allotted to theory questions, 10% to problems and remaining 20% to analytical questions. For Engineering courses 50% are allotted to theory questions 25% to problems and 25% to analytical questions. Likewise for Mathematical courses 10% of questions will be theoretical, 70% will be problematic and the remaining 20% will be analytical.

An analysis is also performed to verify that the students are being tested based on the course outcomes defined in the syllabus pertaining to each of the Courses. It is also made sure that the assignment questions also evaluate the student learning based on the outcomes of the course.

The following procedure is followed for semester end examinations (SEE).

- Semester end examinations are conducted centrally by the examination section.
- Two faculty members (One subject expert and one senior faculty) are identified and informed one day before the examination to moderate the question paper one hour before the commencement of the examination.
- The faculty members while moderating the question paper scrutinizes Blooms Taxonomy and COs of the question paper .
- Further the moderators are required to ensure that:
 - The questions are within the syllabus
 - The format of the model question paper is followed
 - The standards of the questions are maintained
 - The balance between the time allocated for the paper and the complexity or level of difficulty in answering the questions, and the marks allocated is maintained.

In case of any deviations, the moderators corrects/ changes the questions. However, the moderators have to substantiate the changes and give a report for the same. The identified suggestions through feedback given by the moderators are collected and considered for further process. The sample copies for R22 is shown in Figure B.2.2.2.b and for R18 is shown in Figure B.2.2.2.c.

R22 :

A total of 60 marks are allocated for Semester End Examination (SEE), which is of 3 hours duration. The SEE Question Paper will have two parts : i) Part-A is for 10 marks and is compulsory- it consists of 10 questions of 1 mark each (2 questions from each unit); and ii) Part-B is for 50 marks – it consists of 5 questions of 10 marks each (one question from each unit, it may contain sub-questions); for each question there will be 'either/ or' choice, which means that there will be two questions from each unit and the student should answer one of these two.

R18:

A total of 70 marks are allocated for Semester End Examination (SEE), which is of 3 hours duration. The SEE Question Paper will have two parts : i) Part-A is for 10 marks and is compulsory- it consists of 5 questions of 2 marks each (1 question from each unit); and ii) Part-B is for 60 marks – it consists of 5 questions of 12 marks each (one question from each unit, it may contain sub-questions). For each question there will be 'either/ or' choice, which means that there will be two questions from each unit and the student should answer any one of these two questions. Figure B.2.2.2.b&c shows the Question paper template of External/ Semester end examination R22&R18 respectively .

GNITS-R22 – 123AR

G. Narayanamma Institute of Technology & Science

(Autonomous) (for Women)

Shaikpet, Hyderabad- 500 104

II-B.Tech I-Semester Regular Examinations, Jan/Feb - 2024

ELECTRONIC DEVICES AND CIRCUITS

(Common to ECE & ETE)

Max. Marks: 60

Time: 03 Hours

Note:

1. Question paper comprises of **Part A** and **Part B**.
2. **Part A** is compulsory which carries 10 marks. Answer all questions in Part A.
3. **Part B** (for 50 marks) consists of **five questions** with “either” “or” pattern. Each question carries 10 marks and may have a,b,c as sub questions. The student has to answer any one full question.

PART-A

(Answer 10 questions. Each question carries 1 mark) Q.No.

Q.1	Question	Marks	CO	B L
a)	Explain different break down mechanisms in a zener diode.	[01]	CO2	[L2]
b)	What is Tunneling effect and give any two applications of a Tunnel diode?	[01]	CO1	[L1]
c)	A transistor has $I_B = 50\mu\text{A}$ and $\alpha = 0.99$, find β and I_C .	[01]	CO2	[L3]
d)	What is the need of biasing in a transistor circuit?	[01]	CO2	[L2]
e)	What are the effects of bypass and coupling capacitors in a BJT Amplifier?	[01]	CO4	[L2]
f)	Define the following parameters w.r.t. CE configuration. (i) h_{ie} (ii) h_{fe} (iii) h_{re} (iv) h_{oe}	[01]	CO3	[L1]
g)	What is a MOSFET? How it is different from the JFET?	[01]	CO2	[L2]
h)	A JFET has $I_D = 2.16\text{mA}$ and $V_{GS}(\text{off}) = -2.5\text{V}$. Calculate I_{DSS} at $V_{GS} = -1\text{V}$.	[01]	CO2	[L3]
i)	Calculate the gain and input impedance of a voltage series feedback amplifier having $A = -300$, $R_i = 1.5\text{K}\Omega$ and $\beta = -1/20$	[01]	CO5	[L3]
j)	Explain the importance of crystal oscillators.	[01]	CO6	[L1]

Page 1 of 2

GNITS-R22 – 123AR

PART-B

(Answer 05 full questions. Each question carries 10 marks)

Q.No.	Question	Marks	CO	B L
Q.2(a)	A Ge diode carries a current of 15mA when the forward bias voltage is 0.3 V. (i) Estimate the reverse saturation current (ii) Calculate the bias voltages needs for the diode currents of 1mA and 50 mA.	[04]	CO2	[L3]
(b)	Explain the working of a FWR with a capacitor filter and derive ripple factor formula.	[06]	CO1	[L3]

OR				
Q.3(a)	Compare Half wave, Full wave center tapped and Full wave Bridge rectifiers.	[04]	CO1	[L2]
(b)	Explain the working of a Tunnel diode with neat sketches.	[06]	CO1	[L2]
OR				
Q.4(a)	Explain transistor input and output characteristics in a common base configuration.	[05]	CO2	[L2]
(b)	Design a voltage divider bias circuit for the following specifications: V _{cc} = 12V, V _{CE} =2 V, I _C =4mA and h _{fe} =80	[05]	CO2	[L5]
OR				
Q.5(a)	Explain transistor input and output characteristics in a common emitter configuration.	[05]	CO2	[L2]
(b)	Derive the stability factor expression for a BJT with Voltage divider bias.	[05]	CO2	[L3]
OR				
Q.6(a)	Explain low frequency response of a BJT amplifier.	[04]	CO4	[L2]
(b)	Analyze A _i , R _i , A _V , CE configuration using h-parameter model.	[06]	CO3	[L4]
OR				
Q.7(a)	For the common emitter with R _S = 0.5KΩ and R _L = 5KΩ, calculate A _i , R _i , A _V and R _O . Assume h _{fe} =50, h _{ie} =1KΩ, h _{oe} =25μA/V, h _{re} =2 ×10 ⁻⁴ .	[05]	CO3	[L5]
(b)	Compare CE, CB and CC configurations.	[05]	CO4	[L2]
OR				
Q.8(a)	Explain N-Channel JFET operation and its characteristics.	[06]	CO2	[L2]
(b)	Compare JFET and MOSFETs.	[04]	CO2	[L2]
OR				
Q.9(a)	Explain the operation and V-I Characteristics of a MOSFET in depletion mode.	[05]	CO2	[L2]
(b)	Draw and explain JFET with Self bias arrangement.	[05]	CO2	[L2]
OR				
Q.10(a)	Draw the circuit diagram of a voltage series feedback using BJT and derive an expression for the voltage gain, Input impedance and output impedance with feedback.	[05]	CO5	[L4]
(b)	Explain the operation of a Colpitts oscillator and derive frequency of operation expression.	[05]	CO6	[L4]
OR				
Q.11(a)	Draw the circuit diagram of a current shunt feedback using BJT and derive an expression for the voltage gain, Input impedance and output impedance with feedback.	[05]	CO5	[L4]
(b)	Explain the operation of a Wien bridge Oscillator and derive frequency of operation expression.	[05]	CO6	[L4]

END OF PART B

END OF THE QUESTION PAPER

Figure B.2.2.b: Sample copy of External/ Semester end examination- R22

GNITS-R-18-116CO				
G. Narayanamma Institute of Technology & Science				
(Autonomous) (for Women)				
Shakrath, Hyderabad- 500 104				
III-B.Tech II-Semester Regular/Supplementary Examinations, June - 2023				
ANTENNAS AND WAVE PROPAGATION				
(Common to ECE & ETE)				
Max. Marks: 70		Time: 90 Hours		
Note:				
1. Question paper comprises of Part A and Part B.				
2. Part A is compulsory which carries 10 marks. Answer all questions in Part A.				
3. Part B (for 60 marks) consists of five questions with "OR/OR" pattern. Each question carries 12 marks and may have sub. in sub questions. The student has to answer any one full question.				
PART-A				
(Answer 10 questions. Each question carries 2 marks)				
Q.No.	Question	Marks	CO	B.L.
Q.1	a) Define Gain and Resolution of an antenna.	[02]	CO1	[L1]
	b) Why folded dipole antenna is used in Yagi antenna?	[02]	CO2	[L1]
	c) Explain the advantages and limitations of patch antennas.	[02]	CO3	[L2]
	d) What is the main disadvantage of binomial array?	[02]	CO4	[L1]
	e) Define critical frequency and MUF.	[02]	CO5	[L1]
END OF PART A				
PART-B				
(Answer 05 full questions. Each question carries 12 marks)				
Q.No.	Question	Marks	CO	B.L.
Q.2(a)	Define directivity and find the relation between Directivity and effective aperture of an antenna.	[06]	CO1	[L1]
1(b)	Define following Antenna parameters: (i) Radiation Pattern (ii) Front to back Ratio (iii) Beam Solid angle (iv) HPBW & ENBW	[06]	CO1	[L1]
OR				
Q.3(a)	Determine the expression for the far field components of a small loop antenna.	[06]	CO1	[L3]
1(b)	Determine the expression for the radiation resistance of a Half wave dipole antenna.	[06]	CO1	[L3]

QUESTION NO. CO CL MARKS			
Q.1041	Explain the construction and basic principles of operation of a hybrid antenna using natural loads of operation.	1001	0.000 (0.0)
104	Explain the construction and basic principles of operation of a hybrid antenna using natural loads of operation.	1001	0.000 (0.0)
END			
Q.1042	Design a V-type antenna of 4 elements to provide gain of 12 dB in the operating frequency of 200 MHz.	1001	0.000 (0.0)
104	Explain about Faded signal and noise in communication.	1001	0.000 (0.0)
Q.1043	Explain the equivalent circuit of a parabolic reflector.	1001	0.000 (0.0)
104	Explain the design procedure of rectangular horn antenna.	1001	0.000 (0.0)
END			
Q.1044	Explain construction and working of parabolic reflector.	1001	0.000 (0.0)
104	How will you feed a parabolic reflector antenna? Explain aperture efficiency and offset feed.	1001	0.000 (0.0)
Q.1045	Explain the expression for field strength of a vertical horn array.	1001	0.000 (0.0)
104	Explain the horn measurement by three antenna method.	1001	0.000 (0.0)
END			
Q.1046	Explain the concept of principle of pattern multiplication.	1001	0.000 (0.0)
104	Explain the construction and working of a horn antenna.	1001	0.000 (0.0)
Q.1047	Explain the expression for field strength of a vertical horn array.	1001	0.000 (0.0)
104	Explain the horn measurement by three antenna method.	1001	0.000 (0.0)
END			
Q.1048	Explain the concept of principle of pattern multiplication.	1001	0.000 (0.0)
104	Explain the construction and working of a horn antenna.	1001	0.000 (0.0)
Q.1049	Explain the expression for field strength of a vertical horn array.	1001	0.000 (0.0)
104	Explain the horn measurement by three antenna method.	1001	0.000 (0.0)
END OF PART B END OF THE EXAMINATION PAPER			

Figure B.2.2.c: Sample copy of External/ Semester end examination R18

B. Process to ensure questions from course outcomes/ learning level prospective (2):

Question Paper is prepared with the following guidelines:

1. Every question should map to at least one of the identified course outcomes.
2. The setting of question paper need to cover the taxonomical levels in Cognitive Domain(Bloom's taxonomy).
3. Course coordinator need to discuss with the module coordinator with respect to structure and weightage of marks in the question paper.
4. Mention the CO number and cognitive level against each question in the question paper. Question papers are prepared according to IQAC format (a sample is shown below)

End Semester Examinations:

1. Relevance to course material:

Ensure that the questions asked in the examination align closely with the topics covered throughout the semester.

2. Depth of understanding:

Include questions that require students to demonstrate a deep understanding of key concepts rather than just memorization.

3. Variety of question types:

Incorporate a mix of short answer, and essay questions to assess different levels of understanding and skills.

4. Clarity and precision:

Write clear and unambiguous questions to avoid confusion and ensure students know exactly what is being asked of them.

5. Fairness:

Ensure that the difficulty level of questions is appropriate and that there are no biases or unfair advantages given to certain topics or students.

Internal semester Examinations:

1. **Alignment with learning objectives:** Ensure that the questions in the internal semester question paper align with the stated learning objectives of the course.
2. **Progressive Difficulty:** Start with easier questions and gradually increase the difficulty to challenge students at different levels of proficiency.
3. **Coverage of course Material:** Make sure that the question paper covers all the important topics and concepts taught during the semester.
4. **Timeliness:** Provide students with the question paper with enough time for them to prepare adequately before the examination.

5. **Feedback Incorporation:** Consider incorporating feedback from previous assessments to improve the quality and relevance of the internal semester question paper.

Assignments:

1. **Alignment with Learning Objectives:** Ensure that assignments are designed to reinforce key concepts and skills learned in the course.
2. **Engagement:** Design assignments that are interesting and relevant to students interests and real-world applications to promote engagement and motivation.
3. **Feedback mechanism:** Establish a clear process for providing timely and constructive feedback on assignments to help students understand their strengths and areas for improvement.
4. **Variety:** Offer a variety of assignment types (e.g., research papers, case studies, group projects) to cater to different learning styles and abilities.

C: Evidence of CO's coverage in Continuous Internal Evaluation (5)

To ensure the quality of the Internal question papers, the following procedure is followed:

1. Guide lines are given to the course coordinator for framing the question paper.
2. Based on guide lines, Course Coordinator prepares the question paper and submitted to the Module Coordinator.
3. The module Coordinator checks the quality of the paper based on the coverage of IQAC(COs, and Blooms Taxonomy) and coverage of syllabus.
4. The question paper will be rejected by Module coordinator if the quality is not good and suggestions are given to the course coordinator for modification of the question paper.
5. The accepted question paper is forwarded to the program coordinator for printing. Figure B.2.2.2.e: shows the rejected question paper.

Process for Quality checking for Internal Question paper

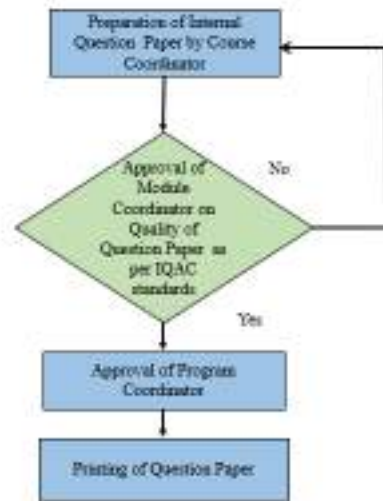


Figure B.2.2.2.d: Process for Quality checking for Internal Question paper



Figure B.2.2.e: Sample copy of rejected question paper

The above question paper is rejected by module coordinator due to the following reasons

Q1j:BT level is not correct.

Q 2a: marks assigned is not correct according to the depth of the question.

Each question in Internal, external question papers and Assignment in Internal question paper is mapped with COs and BLs and corresponding sample copies are shown in Figures from B.2.2.2.f to B.2.2.2.i.

G. NARAYANANMA INSTITUTE OF TECHNOLOGY & SCIENCE (For Women)
(AUTONOMOUS)
III B.Tech II-Semester I-Mid Term Examinations, April 2023

Subject: Antennas and Wave Propagation Max. Marks: 25
Subject Code: PE1802Q Date: 12-04-2023
Time: 2 Hrs.

Minimum Necessary Levels:
Level 1 – Remembering, Level 2 – Understanding, Level 3 – Applying,
Level 4 – Analyzing, Level 5 – Evaluating, Level 6 – Creating.

PART – A (1 X 10 = 10 Marks)

Answer all Questions. Each Question carries 1 Mark.

Q.No.	Question	Marks	Bloom's CO Level
a.	Define beam area and beam efficiency.	1	L1 1
b.	Define field pattern and power pattern.	1	L1 1
c.	Define loss to back ratio.	1	L1 1
d.	Define directivity and gain.	1	L1 1
e.	Define axial mode of helical antenna.	1	L1 2
f.	_____ in example of high gain antenna.	1	L1 2
g.	Define reflector and director used in Yagi Uda antenna.	1	L1 2
h.	Define antenna field zones.	1	L1 1
i.	Mention advantages and disadvantage of microstrip antenna.	1	L1 3
j.	Classify and define different types of horn antenna.	1	L1 2

PART – B (3 X 5 = 15 Marks)

Answer any THREE (3) Questions. Each question carries 5 Marks.

Q.No.	Question	Marks	Bloom's CO Level
Q2(a)	Derive the relation between directivity and aperture area.	3	L4 1
(b)	Evaluate HPBW, FNBW, beam area and directivity for an antenna having the field pattern $E(\theta) = \cos^2 \theta$ for $0^\circ < \theta < 90^\circ$.	3	L4 1
Q3(a)	Explain the formation of field from oscillating dipole with neat diagram at different distance of them.	5	L2 1
(b)	Design Yagi-Uda antenna to get directivity of 12 dB operating at _____.	2	L6 2
Q4 (a)	With neat diagram, explain the construction and operation of rectangular horn antenna.	3	L2 2
(b)	Derive an expression for axial ratio (AR) in normal mode of horn antenna and analyze AR.	2	L4 2
Q5 (a)	With neat diagram, explain the construction and operation of folded dipole antenna and derive the expression for radiation resistance, mention its merits over conventional half wave dipole.	4	L4 2
(b)	Design helical antenna operating in the axial mode to have directivity 21-10 dB at 3 GHz.	2	L6 2
Q6(a)	With neat diagram, explain the construction and operation of microstrip patch antenna.	3	L2 3
(b)	List out six eight features of microstrip antenna and mention any two applications of microstrip antenna.	2	L3 3

 Course Coordinator
  Module Coordinator
  Program Coordinator

Figure B.2.2.2.f: Sample copy of internal question paper(Mid-1)-R18

**G.Narsayamma Institute of Technology & Science (For Women)
Shaikpet, Hyderabad-500104**

**Mid I Question paper-IQAC Standard
III B Tech II Semester (AY 2022-23)**

Subject: **Automata and Wave Propagation (AWP)**

DATE: 11-04-2023

Branch: **ETE**

Distribution of marks for Bloom Taxonomy levels

S.NO.	CRITERIA	SUBJECTIVE		OBJECTIVE		ASSESSMENT		TOTAL MARKS	% of Marks
		Q.No.	Marks	Q.No.	Marks	Q.No.	Marks		
1	Level 1: Remembering			2a,1b,3c, 2d,1c,1d, 3g,4h,5i, 6j	1,1,1, 1,1,1, 1,1,1, 1			10	25
2	Level 2: Understanding	2e,3e,3a, 4b	2,2,3, 2			1,2	1	10	25
3	Level 3: Applying	2a	2			3	3,3	6	15
4	Level 4: Analyzing	2c,4c, 3a	2,2,3					6	15
5	Level 5: Evaluating								
6	Level 6: Creating	2c,3a	2,2			4,2	4,2	6	15

Distribution of marks for Course Outcomes

COURSE OUTCOMES	SUBJECTIVE		OBJECTIVE		ASSESSMENT		TOTAL MARKS	% of Marks
	Q.No.	Marks	Q.No.	Marks	Q.No.	Marks		
CO 1	2a,2b,3a, 3c,3d	2,2,3	1a,3b,1c, 1d,3e	1,1,1, 1,1	1,1	1,1	10	25.0
CO 2	2e,3e,3a, 4b, 5a, 5b	2,2,2,2,2,2	1a,1c,1d	1,1,1	3,4,5	1,1,1	10	25
CO 3	2c,3a	2,2	1g, 1i	1,1			2	5.0
CO 4								
CO 5								
CO 6								

[Signature]
Course Coordinator

[Signature]
Module Coordinator

[Signature]
Program Coordinator

Figure B.2.2.2.g: IQAC format of internal question paper(Mid-1)-R18

G. NARAYANAMMA INSTITUTE OF TECHNOLOGY & SCIENCE (For Women)
(AUTONOMOUS)
III B.Tech II-Semester II-Mid Term Examinations, June 2023

Subject: Antennas and Wave Propagation

Subject Code: PE116CQ

Max. Marks: 28

Time: 2 Hrs.

Date: 06.06.2023

Bloom's Taxonomy Levels:

Level 1 - Remembering, Level 2 - Understanding, Level 3 - Applying,
Level 4 - Analyzing, Level 5 - Evaluating, Level 6 - Creating

PART - A (1 X 10 = 10 M)

Answer all Questions. Each Question carries 1 Mark.

Q.No.1	Question	Marks	Bloom's Level	CO
a.	Mention the need of antenna array.	1	L1	5
b.	State Farner's principal.	1	L1	3
c.	State pattern multiplication.	1	L1	5
d.	Define BSA & EFA.	1	L1	5
e.	State the Hansen & Woodyard condition for EFA with increased D.	1	L1	5
f.	Mention different types of reflector antennas.	1	L1	3
g.	Define maximum usable frequency.	1	L1	6
h.	Define virtual height.	1	L1	6
i.	Draw the different layers of ionosphere.	1	L1	6
j.	Explain multipath propagation.	1	L1	6

PART - B (3 X 5 = 15M)

Answer any THREE full Questions. Each question carries 5 Marks.

Q.No.	Question	Marks	Bloom's Level	CO
Q.2.(a)	With properties of parabola, explain the construction and working of parabolic reflector.	2.5	L2	3
(b)	Mention the different types of feed used for parabolic reflector. Explain any one in detail.	2.5	L2	3
Q.3.(a)	Design parabolic reflector operating at 6GHz to provide a	2.5	L6	3
(b)	Derive an equation for array factor of linear array of 'n' isotropic point sources.	2.5	L4	5
Q.4 (a)	Define radiation pattern and with neat diagram explain radiation pattern measurement.	2.5	L2	4
(b)	Define gain and with mathematical equation, explain gain measurement by three antenna method.	2.5	L3	4
Q.5.(a)	Derive an equation for electric field intensity due to space wave	2.5	L4	6
(b)	Derive the relation between Critical Frequency and Skip distance.	2.5	L4	6
Q.6	Mention 3 modes of wave propagation and explain them in detail.	5	L2	6


Course Coordinator


Module Coordinator


Program Coordinator

Figure B.2.2.2.h: Sample copy of internal question paper(Mid-2)-R18

G.Narayanamma Institute of Technology & Science (For Women)
Shaikpet, Hyderabad-500104

Mid II Question paper-IQAC Standard
III B.Tech II Semester (AY 2022-23)

Subject: Antennas and Wave Propagation (AWP)

DATE: 03-06-2023

Branch: ETE

Distribution of marks for Bloom's Taxonomy Levels

S.NO.	CRITERIA	SUBJECTIVE		OBJECTIVE		ASSIGNMENT		TOTAL MARKS	% of Marks
		Q.No.	Marks	Q.No.	Marks	Q.No.	Marks		
1	Level 1: Remembering	---	---	1a, 1b, 1c, 1d, 1e, 1f, 1g, 1h, 1i, 1j	1,1,1, 1,1,1, 1,1,1, 1	2	1	11	27.5
2	Level 2: Understanding	2a, 2b, 4a, 5	2,5,2,5, 2,5,5	---	---	1,3	1,1	14.5	36.25
3	Level 3: Applying	4b	2.5	---	---	---	---	2.5	6.25
4	Level 4: Analyzing	3b, 5c, 5d	2.5,2.5, 2.5	---	---	4	1	8.5	21.25
5	Level 5: Evaluating	---	---	---	---	---	---	---	---
6	Level 6: Creating	2c	2.5	---	---	6	1	2.5	6.25

Distribution of marks for Course Outcomes

COURSE OUTCOMES	SUBJECTIVE		OBJECTIVE		ASSIGNMENT		TOTAL MARKS	% of Marks
	Q.No.	Marks	Q.No.	Marks	Q.No.	Marks		
CO 1	---	---	---	---	---	---	---	---
CO 2	---	---	---	---	---	---	---	---
CO 3	2a, 2b, 2c, 2,5	2.5,2.5, 2.5	1b, 1f	1,1	---	---	4.5	11.25
CO 4	4a, 4b	2.5,2.5	---	---	3	1	6	15
CO 5	3b	2.5	1a, 1c, 1e, 1g	1,1,1,1	1	1	7.5	18.75
CO 6	2a, 2b, 6	2.5,2.5,2.5	1g, 1h, 1i, 1j	1,1,1,1	6,6,6	1,1,1	17	42.5


 Course Coordinator


 Module Coordinator


 Program Coordinator

Figure B.2.2.2.i: IQAC format of internal question paper(Mid-2)-R18

(D) Quality of Assignment and its relevance to COs (5)

The assignments to the students were given improve creativity and conceptual knowledge.

- The assignments are evaluated internally by the course coordinator handling the course
- The questions are prepared to improve the problem solving skills of the student.
- In a semester, the assignment is given after the completion of syllabus for first mid term examination and in line with the defined Cos

· Assignments are evaluated by the course coordinator after the due submission date and marks will be posted in attendance register.

· The sample assignment questions framed and their relevance to CO is shown below:

G.Narasimma Institute of Technology & Science for women
Shaikpet, Hyderabad - 500 308.
Autonomous
H E.Tech II Semester
Academic Year 2022-2023
ASSIGNMENT-I

UNIT-I: Antennas and Wave Propagation **MARKS: 100**
SUBJECT CODE: PE110402 **Max Marks: 100**

Bloom's Taxonomy Levels (BT Levels):
 Level 1 - Remembering, Level 2 - Understanding, Level 3 - Applying, Level 4 - Analyzing, Level 5 - Evaluating, Level 6 - Creating

S.No	Question	Marks	CO	BT Level
1	Explain the radiation pattern in terms of field & power pattern and highlight its significance in calculation of directivity.	[10]	CO1	L2
2	Explain the significance of effective aperture in calculation of gain & directivity.	[10]	CO1	L2
3	Identify the types of antennas for mobile communication from antenna family which you studied and elaborate their structure and operation.	[10]	CO1	L3
4	Design Yagi-Uda antenna operating at 200 MHz to have a directivity of 10dB.	[10]	CO1	L4
5	Design rectangular horn antenna operating at 1.2 GHz to have a directivity of 10dB. Given that E-plane aperture $a = 10\lambda$ and H-plane aperture $b = 9\lambda$.	[10]	CO1	L4

  
 Course Coordinator Module Coordinator Program Coordinator

Figure B.2.2.2.j: Sample copy of Assignment1-R18

G.Marayanamma Institute of Technology & Science for women
 Shaikpet, Hyderabad - 500 104.
 Autonomous
 III B.Tech II Semester
 Academic Year 2022-2023
 ASSIGNMENT-III

SUBJECT: Antennas and Wave Propagation
 SUBJECT CODE: PE114CQ

BRANCH: ETE
 Max Marks: 100

Blomax Taxonomy Levels (BT Level):
 Level 1 – Remembering, Level 2 – Understanding, Level 3 – Applying, Level 4 – Analyzing, Level 5 –
 Evaluating, Level 6 – Creating

S.No.	Question	Marks	CO	BT Level
1	Explain the construction & working of an antenna, which has zero side lobe.	[1M]	CO5	L2
2	Why ground wave propagation is not suitable at higher frequencies?	[1M]	CO6	L1
3	Explain gain measurement by two-antenna method. Why this technique is not preferred?	[1M]	CO4	L2
4	For mobile communication, mention the type of wave propagation used. Derive the effective field strength of a received signal for the same.	[1M]	CO6	L4
5	Design a parabolic reflector operating at 6 GHz to provide a directivity of 80.	[1M]	CO6	L6


 Course Coordinator


 Module Coordinator


 Program Coordinator

Figure B.2.2.2.k: Sample copy of Assignment 2 -R18

2.2.3 Quality of student projects (20)

Institute Marks : 20.00

A. Identification of projects and allocation methodology to Faculty Members (2)

(Quality of the project is measured in terms of consideration to factors including, but not limited to, environment, safety, ethics, cost, type (application, product, research, review etc.) and standards. Processes related to project identification, allotment, continuous monitoring, evaluation including demonstration of working prototypes and enhancing the relevance of projects. Mention Implementation details including details of POs and PSOs addressed through the projects with justification)

- Department has initiated practice for Project Based Learning and Research Based Learning right from Third year to final year students. Final year Projects are broadly classified into 5 areas (Research/Application/Product/Industry/Societal Impact Project).
- Main objective of the Project work is to apply Engineering knowledge to solve real world problems by conducting thorough investigations using modern tools. It also induces ethics in their thought process as a major giveback to society, fostering their communication and letting them thrive with both individual and team work, eventually directing them to a life-long learning.
- The following figure B.2.2.3.a depicts the systematic process established and adopted for the Project Identification and Allocation, Review and Evaluation to maintain the quality of the projects.

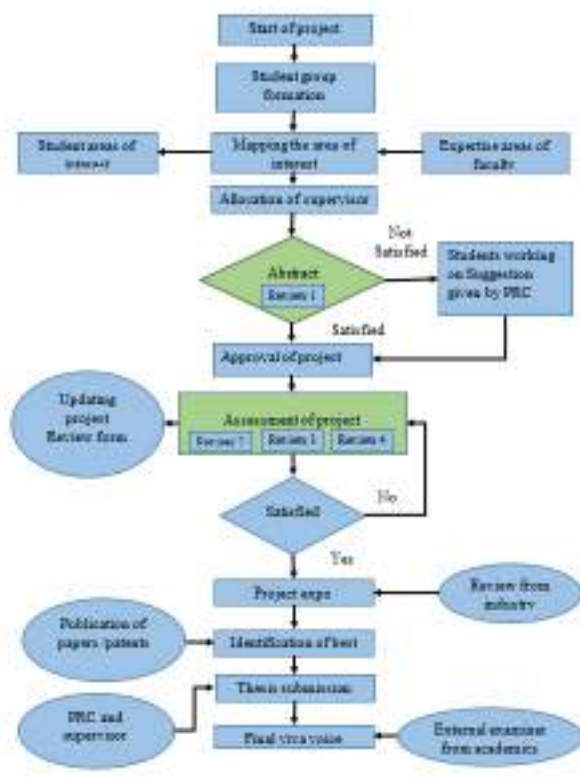


Figure:B.2.2.3.a :Process established for Project Identification and Allocation, Review and Evaluation

- Before the commencement of every academic year Project Review Committee (PRC) is formed by the Head of the Department. PRC Composition consists of HOD and Senior faculty members to determine the process of evolution of projects, during which 4 reviews are being conducted whose pivoted points are Abstract Review-finding problem statement, Literature Survey-focusing on the process to finalize the problem statement, Implementation and Results.
- Major project is divided into 2 phases, Phase-I and Phase-II where Phase-I consists of two reviews while Phase-II has two reviews. As a next step to proceed, student's group formation is done with size of 4. For each batch two students will be from top 50% and other two are from the remaining but not limited to.
- As per Figure B.2.2.3.a depiction, once groups are formed, students can select their areas of interest and expertise areas of faculty/faculty areas of interests are pooled. With this practice students will be allocated with the proficient supervisor to guide them in the right way. Students meet the concerned faculty who is expert in that area to explore about the possibility to take up the work as a major project work for a period of one year. This project supervisor allotment is purely based on the domain of the project and the expertise of the faculty available in the department.
- Project Coordinator issues PRC circulars which consists of schedule and contents required for presentation. Figure B.2.2.3.b&c shows the sample copies of PRC circulars.
- After the supervisor allocation, Project progress Review Forms are issued for students for continuous internal assessment and to establish communication with students in terms of progress of the project along with the suggestions given by the supervisor. This needs to be submitted to PRC members during every review. Each project group must give presentation in front of PRC and supervisor. PRC and along with supervisor monitors and evaluates if the work is going in a right direction or not and evaluates each student knowledge level and contribution towards the progress of project work.

- The committee also advises the students regarding the deficiencies or modifications in the project and accordingly the students incorporate the feasible changes in their project work and proceeds further. Figure B.2.2.3.d,e,f,g shows the sample copies of project progress Review forms.

GNITS ETI/SPW/24 - 2022-23	Dept: ETE
Topic: Major Project Phase-I	Date: 20-01-2023

All the IV B.Tech students are informed that the following is the schedule for PRC-I of Major Projects Phase-I for the Academic Year 2022-23.

PRC-I Guidelines:

- The Major Project Phase-I, PRC-I will be conducted and the PPT presentation for 10 minutes per batch.
- The Students PPT should consist of:
 - Introduction
 - Objectives
 - Literature Survey
 - Existing Techniques
 - Proposed Techniques (Block Diagram and Methods)
 - Results
 - Conclusion
- Committee members evaluation of 30 Marks (Average of two members) and Internal guide evaluation of 30 Marks will be considered for Project phase-I (Internal Marks by taking average of two PRC's).
- Project Guide must be present at the time of Presentation and Students should submit Project Review Form before one day of the Presentation.

PRC-I Schedule

S.No.	Committee Members	Branch	Date	Batches	Timings
1	1. Dr. K. Rama Linga Reddy 2. G. Krishna Reddy 3. Dr. M. Vijaya Lakshmi	ETE	24-01-2023	1-9	03:50 P.M to 4:00 P.M
			25-01-2023	10-19	

(Mrs. P. Anu Sudha)
Faculty Coordinator

K. R. Reddy
(Dr. K. Rama Linga Reddy)
HOD, ETE

Figure B.2.2.3.b : PRC-I circular for the Academic year 2022-23

GMHS- ETE/SPW/24 - 2022-23	Dept: ETE
Sub: Main Project Phase-II	Date: 28-03-2023

All the IV B.Tech students are informed that the following is the schedule for PRC-2 of Main Projects Phase-II for the Academic Year 2022-23.

PRC-2 Guidelines:

1. The Major Project Phase-II, PRC-2 will be conducted and the PPT presentation for 20 minutes per batch.
2. The Students PPT should consist of:
 - Introduction
 - Literature Survey
 - Objectives
 - Existing Techniques
 - Proposed Techniques
 - Results
 - Conclusion
3. Committee members evaluation of 30 Marks (Average of two members) and internal guide evaluation of 30 Marks will be considered for Project phase-II Internal Marks by taking average of two PRC's.
4. Project Guide must be present at the time of Presentation and Students should submit Project Review Form before one day of the Presentation.
5. Students have to show softcopy of their project report at the time of presentation.

PRC-2 Schedule

S.No.	Committee Members	Branch	Date	Batches	Timings
1	1. Dr.K.Rama Linga Reddy 2. Mr.G.Krishna Reddy 3. Dr.M.Vijaya Lakshmi	ETE	03-04-2023	1-5	01:45 P.M to 4:00 P.M
			04-04-2023	06-10	
			11-04-2023	11-15	
			12-04-2023	16-19	


(Dr. P. Sreesudha)
Project Coordinator

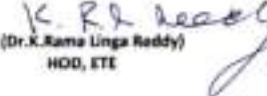

(Dr. K. Rama Linga Reddy)
HOD, ETE

Figure B.2.2.3.c: PRC-II circulars for the Academic year 2022-23

G.NARAYANAMMA INSTITUTE OF TECHNOLOGY & SCIENCE (for women)
(AUTONOMOUS)
 Department of Electronics and Telematics Engineering
PROGRESS REVIEW FORM FOR UG PROJECTS

1. Class & Branch: IV B.Tech. ETE

4. Batch No: 07

2. Academic Year: 2019-2023

5. Date of PRC: 19/9/2022

3. Students Details:

S.NO.	Name of the candidate	Regd No.
1	A. Lalitha	19251A1704
2	A. Santhya	19251A1705
3	M. Veena	19251A1741
4	M. SriPujitha	19251A1744

6. Name of the Guide: Mr. G. Krishna Reddy

Designation: Associate professor

Status of B.Tech. Project Work: Phase: I/II

(I) Title of Project Work: "PAPR Reduction using SLM and PTS Techniques in OFDM systems".

(II) Status:

→ 10% of work completed.

(III) Recommendations/Comments/ Remarks by Guide:

Can go for survey in depth

Signature of the Guide

(IV) Comments by PRC members:

→ Proposed method should be more clear.

Name & Signature of PRC Members

K. D. Reddy
Signature of HOD

- (1) Dr. K. Ramalinga Reddy *K. Ramalinga Reddy*
- (2) Mr. G. Krishna Reddy *G. Krishna Reddy*
- (3) Dr. M. Vijaya Lakshmi *M. Vijaya Lakshmi*

Figure B.2.2.3.d : Project progress review-1 form for Phase-1

G.NARAYANAMMA INSTITUTE OF TECHNOLOGY & SCIENCE (for women)
(AUTONOMOUS)
 Department of Electronics and Telematics Engineering
PROGRESS REVIEW FORM FOR UG PROJECTS

1. Class & Branch: IV B.Tech, ETE

4. Batch No: 7

2. Academic Year: 2022-2023

5. Date of PRC: 29/11/22

3. Students Details:

S.NO.	Name of the candidate	Regd No.
1	A Lalitha	19251A1904
2	A. Sandhya	19251A1705
3	M. Veena	19251A1741
4	M. Sri Rajitha	19251A1944

6. Name of the Guide: Mr. B. Krishna Reddy ✓

Designation: Associate Professor

Status of B.Tech. Project Work: Phase: I / II

(I) Title of Project Work: PAPR Reduction of OFDM Signals using PTS & firefly algo

(II) Status:

50% work completed

(III) Recommendations/Comments/ Remarks by Guide:

Fire fly algorithm to be implemented. 50% Completed

Signature of the Guide

(IV) Comments by PRC members:

- Content should be more clear in slide
- Don't copy and paste equations
- proceed further



Name & Signature of PRC Members

V. S. Reddy
Signature of HOD

- (1) Dr. K. Rama Linga Reddy *[Signature]*
- (2) M.Y. G. Krishna Reddy *[Signature]*
- (3) Dr. M. Vijaya Lakshmi *[Signature]*

Figure B.2.2.3.e: Project progress review-2 form for Phase-1

G.NARAYANAMMA INSTITUTE OF TECHNOLOGY & SCIENCE (for women)
(AUTONOMOUS)
 Department of Electronics and Telematics Engineering
PROGRESS REVIEW FORM FOR UG PROJECTS

1. Class & Branch: IV B.Tech, ETE
 2. Academic Year: 2022-2023
 3. Students Details:
 4. Batch No: 7
 5. Date of PRC: 24-1-23

S.NO.	Name of the candidate	Regd No.
1	A. Lalitha	19251A1904
2	A. Sanyalga	19251N705
3	M. Veera	19251A1947
4	M. Sri Rajitha	19251A1714

6. Name of the Guide: Mr. G. Krishna Reddy ✓ Designation: Associate Professor

Status of B.Tech. Project Work: Phase: I / II

(I) Title of Project Work: PAPR Reduction of OFDM signals using PTS & Firefly algorithm

(II) Status:

60% completed

(III) Recommendations/Comments/ Remarks by Guide:

To learn and implement with ~~help~~ cost function optimal for next PRC

G. Krishna Reddy
 Signature of the Guide

(IV) Comments by PRC members:

→ change 2nd objective

Name & Signature of PRC Members

G. Krishna Reddy
 Signature of HOD

- (1) Dr. K. Rama Linga Reddy *Rama Linga Reddy*
- (2) Mr. G. Krishna Reddy *G. Krishna Reddy*
- (3) Dr. M. Vijaya Lakshmi *M. Vijaya Lakshmi*

Figure B.2.2.3.f: Project progress review-3 form for Phase-II

G.NARAYANAMMA INSTITUTE OF TECHNOLOGY & SCIENCE (for women)
(AUTONOMOUS)
Department of Electronics and Telematics Engineering
PROGRESS REVIEW FORM FOR UG PROJECTS

1. Class & Branch: IV B.Tech, ETE

4. Batch No: 7

2. Academic Year: 2022-2023

5. Date of PRC: 4/4/23

3. Students Details:

S.NO.	Name of the candidate	Regd No.
1	A. Lalitha	19251A1704
2	A. Sandhya	19251A1705
3	M. Veena	19251A1741
4	M. Sripujithe	19251A1744

6. Name of the Guide: G. Krishna Reddy ✓

Designation: Associate Professor.

Status of B.Tech. Project Work: Phase: I / II

(I) Title of Project Work: PAPR Reduction of OFDM Signals using PTS & butterfly algorithm.

(II) Status: 80% completed + 20% softcopy report

Coding Part Completed, Report to be prepared.

(III) Recommendations/Comments/ Remarks by Guide:

Go for Report Preparation


 Signature of the Guide

(IV) Comments by PRC members:

→ proceed for Report submission

Name & Signature of PRC Members

V. Reddy
Signature of HOD

- (1) Dr. K. Rama Linga Reddy *[Signature]*
- (2) Mr. G. Krishna Reddy *[Signature]*
- (3) Dr. M. Vijaya Lakshmi *[Signature]*

Figure B.2.2.3.g: Project progress review-4 form for Phase-II

B. Types and relevance of the projects and their contribution towards attainment of POs and PSOs (2)

The projects implemented by the students are usually involved the design, synthesis and analysis of contemporary issues related to society. The projects completed by the students are implementation of solutions to real time problems considering the factors such as environment, safety, and ethics etc. For successful completion of the student academic project, they are expected to:

- Analyze and formulate a solution to Communication Technologies, Signal and Image Processing, Embedded Systems and IoT, Computer Networking and Security based projects.
- Test and validate the results for the project task using modern tools.
- Manage to enhance critical thinking skills in a team.
- Publish the implemented work in reputed journals or conferences.
- Prepare a document in the standard format that describes the implemented work with results obtained and future directions.

The student projects are implemented in line with the department Vision, Mission and Program Outcomes. The project objectives and outcomes are defined and CO-PO mapping is done by the project coordinator in consultation with the program coordinator. The PO and PSO attainments are calculated after the successful completion of the project.

Projects are classified briefly into categories like application, product, research, review etc. Thereafter, the projects are mapped to the POs and PSOs so as to know the impact of the projects on the attainment. Tables B.2.2.3 a,b,c shows lists of project classification for academic years 2022-23,2021-22,2020-21.

Tables B.2.2.3 a: project classification for Academic year 2022-23

Batch No	Batch Members	Title of the Project	Guide	Domain	Classification	POs	PSOs
1	19251A1716	Computing	Dr.A.Naveena	Signal and Image Processing	Application	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	19251A1701	Body Mass Index From A					
	19251A1706	Facial Image					
	19251A1707	Using Deep Learning					

2	19251A1758	Audio and Video	Mrs.M.Jyothsna	Computer Networking and Security	Application	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	19251A1740	Steganography Technique for					
	19251A1748	Communication Security					
	19251A1736						
3	19251A1708	Deep Learning - Aided 5G Channel Estimation	Dr.M.Vijaya Lakshmi	Communication Technologies	Research	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	19251A1709						
	19251A1712						
	19251A1713						
4	20255A1702	Spy Robot in Military	Dr.Raj Kumar L Biradar	Embedded Systems and IoT	Product	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	20255A1705						
	19251A1734						
	19251A1733						
5	19251A1753	Deep Learning based Real-Time Industrial Framework for fruit freshness detection using Computer Vision methods	Mr.N.Rama Krishna	Signal and Image Processing	Product	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	19251A1746						
	19251A1718						
6	19251A1749	Automated Irrigation System Using ML and IOT	Mr.A.Chandra Shaker	Embedded Systems and IoT	Product	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	19251A1750						
	19251A1751						
	19251A1755						
7	19251A1704	Papr Reduction of OFDM signals using PTS and Gaussian Firefly algorithm	Mr.G.Krishna Reddy	Communication Technologies	Research	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	19251A1705						
	19251A1741						
	19251A1744						
8	19251A1723	An Efficient Spam Detection Technique for Devices using Machine Learning	Mrs.V.Anitha	Computer Networking and Security	Application	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	19251A1720						
	19251A1722						
9	19251A1702	Performance Analysis of SM-MIMO System Employing Binary PSK and M'ary PSK Techniques Over Different Fading Channels	Dr.P.Sreesudha	Communication Technologies	Review	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	19251A1756						
	19251A1737						
	20251A1706						

10	19251A1728	OFDM-OQAM Modulation for Future Wireless Communication	Dr.M.Vijaya Lakshmi	Communication Technologies	Review	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	19251A1729						
	19251A1739						
11	19251A1747	Human Motion Recognition using IMUs	Mr.A.Chandra Shaker	Embedded Systems and IoT	Application	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	19251A1725						
	19251A1743						
	19251A1730						
12	19251A1752	IoT based Smart Home automation and Security	Dr.T.Sunitha	Embedded Systems and IoT	Product	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	19251A1714						
	19251A1760						
	20255A1703						
13	19251A1738	A Prototype of Remote Smart Waste Segregation and Garbage Level Monitoring System	Ms.K.Pranathi	Embedded Systems and IoT	Product	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	19251A1754						
	19251A1731						
	20255A1704						
14	20255A1701	Performance Analysis of Selective Mapping and clipping based MC-CDMA System	Dr.P.Sreesudha	Communication Technologies	Research	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	19251A1745						
	19251A1717						
	19251A1711						
15	19251A1726	Security Audit for Webpage	Mr.V.Vikas	Computer Networking and Security	Application	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	19251A1724						
	19251A1757						
	19251A1703						
16	19251A1732	Holoentropy measures for image stitching of scenes acquired under camera or arbitrary positions	Mrs.A.Sneha Keerthi	Signal and Image Processing	Application	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	19251A1759						
	18251A1750						
17	19251A1710	Vehicle accident prevention and reporting system using IoT and GPS	Mr.G.Krishna Reddy	Embedded Systems and IoT	Product	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	19251A1735						
	19251A1727						
	19251A1715						
18	19251A1719	Spoofed Caller ID Detection (SCID)	Mr.V.Vikas	Computer Networking and Security	Application	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	19251A1742						

19	19251A1721	Detection of Stuttering behaviour using Machine Learning Algorithms	Dr.K.Rama Linga Reddy	Signal and Image Processing	Application	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
----	------------	---	-----------------------	-----------------------------	-------------	--	-----------

Table B.2.2.4.b:Project classification for the Academic year 2021-22

Batch No	Batch Members	Title of the Project	Guide	Domain	classification	POs	PSOs
1	18251A1713	IOT Based Automated Hydroponic System	Mr.A.Chandra Shaker	Embedded Systems and IoT	Product	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	18251A1740						
	18251A1751						
	18251A1753						
2	18251A1712	Image Segmentation By U-NET Model	Mr.N.Rama Krishna	Signal and Image Processing	Application	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO13	PSO1,PSO2
	18251A1724						
	18251A1738						
	18251A1743						
3	18251A1703	Missing Child Identification Using Deep Learning	Dr.K.Rama Linga Reddy	Signal and Image Processing	Application	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO14	PSO1,PSO2
	18251A1708						
	18251A1709						
	18251A1729						
4	17251A1714	Underwater Image Enhancement Using Adaptive Retinal Mechanisms	Mrs.T.Sunitha	Signal and Image Processing	Application	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO15	PSO1,PSO2
	19255A1704						
	17251A1739						
	19255A1703						
5	18251A1734	Analysis and Implementation of Channel Estimation In OFDM System Pilot Symbols	Mrs.K.Sarada	Communication Technologies	Research	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO16	PSO1,PSO2
	18251A1756						
	18251A1752						
	18251A1757						
6	18251A1721	Healthcare Chatbot System Using Artificial intelligence	Mr.V.Vikas	Signal and Image Processing	Product	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO17	PSO1,PSO2
	18251A1722						
	18251A1706						
	18251A1755						
7	18251A1760	Heart Disease Prediction Using Data Mining	Mr.V.Vikas	Signal and Image Processing	Application	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO18	PSO1,PSO2
	19255A1701						
	18251A1717						
	18251A1718						

8	18251A1701	Image Classification Using Deep Convolutional Neural Networks	Mr.N.Rama Krishna	Signal and Image Processing	Application	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO19	PSO1,PSO2
	18251A1705						
	18251A1707						
	18251A1759						
9	18251A1716	Brain Tumor Detection Based on Segmentation	Ms.G.Swetha	Signal and Image Processing	Application	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO20	PSO1,PSO2
	18251A1727						
	18251A1728						
	18251A1744						
10	18251A1748	Smart Object Detection Using Tensor flow.JS	Mr.A.Chandra Shaker	Signal and Image Processing	Application	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO21	PSO1,PSO2
	18251A1754						
	19255A1702						
	18251A1730						
11	18251A1714	Synthetic Aperture RADAR imaging	Mrs.V.Anitha	Communication Technologies	Application	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO22	PSO1,PSO12
	18251A1715						
	18251A1723						
	18251A1732						
12	18251A1704	IOT based Accident and Rescue System	Mrs.M.Jyothisna	Embedded Systems and IoT	Product	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO23	PSO1,PSO2
	18251A1733						
	19255A1705						
	19255A1706						
13	18251A1719	Performance Comparison of Channel Coding Techniques for OFDM system	Dr.M.Vijayalakshmi	Communication Technologies	Research	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO24	PSO1,PSO 2
	18251A1731						
	18251A1737						
	18251A1747						
14	18251A1710	Implementation of RAKE Receiver using MRC Technique for CDMA system	Mrs.P.Sreesudha	Communication Technologies	Review	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO25	PSO1,PSO2
	18251A1720						
	18251A1742						
	18251A1746						
15	18251A1725	PAPR reduction in OFDM system using Partial Transmit Sequence and precoding Techniques	Mr.G.Krishna Reddy	Communication Technologies	Review	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO25	PSO1,PSO2
	18251A1726						
	18251A1741						
	18251A1749						
16	18251A1711	Identification of fake Tweets using NLP and BERT Model	Dr.A.Naveena	Computer Networking and Security	Product	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO25	PSO1,PSO2
	18251A1735						
	18251A1739						

17	18251A1702	Improving The Quality of contrast CT images using TBCSSR	Dr.Rajkumar L Biradar	Signal and Image Processing	Application	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO25	PSO1,PSO2
	18251A1745						
	18251A1758						

Table B.2.2.4.c: Project classification for the Academic year 2020-21

S.No	ROLL NO	TITLE OF PROJECT	GUIDE	Domain	Classification	POs	PSOs
1	17251A1718	Detection and removal of shadow in color images and videos	Dr.RajKumar L Biradar	Signal and Image Processing	Application	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	17251A1720						
	17251A1738						
	17251A1728						
2	17251A1706	Real Time Weather Monitoring System	Dr.A.Naveena	Embedded Systems and IoT	Product	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	17251A1751						
	17251A1752						
	18255A1701						
3	17251A1710	Optimal driving system using smart Helmet	G.Krishna Reddy	Embedded Systems and IoT	Product	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	17251A1742						
	17251A1756						
	17251A1757						
4	17251A1753	Face Mask Detection System using CNN	Dr.M.VijayaLakshmi	Signal and Image Processing	Application	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	17251A1734						
	17251A1705						
	17251A1730						
5	17251A1719	All Terrain Robot for Disaster Management	A.Chandra Shaker	Embedded Systems and IoT	Product	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	17251A1737						
	17251A1741						
	17251A1732						
6	17251A1740	IoT based smart energy meter monitoring with theft detection	K.Sarada	Embedded Systems and IoT	Product	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	17251A1745						
	17251A1702						
	17251A1707						
7	17251A1744	Hand gesture recognition using Image processing	V.Anitha	Signal and Image Processing	Application	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	17251A1716						
	17251A1729						
	17251A1731						

8	17251A1733	Performance analysis of efficient and low complexity MIMO OFDM system using STBC and V-BLAST	Dr.K.Rama Linga Reddy	Communication Technologies	Review	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO19	PSO1,PSO2
	17251A1703						
	17251A1722						
	17251A1708						
9	17251A1715	ML based detection of bidding down attack in 5G	V. Vikas	Computer Networking and Security	Application	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	17251A1727						
	17251A1754						
	17251A1760						
10	17251A1743	Performance analysis of MIMO OFDM system using equalizer	M. Jyothsna	Communication Technologies	Research	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	17251A1725						
	17251A1748						
	18255A1704						
11	17251A1701	Victim-Definite Wearable Fall and Health Communication Device	N. Rama Krishna	Embedded Systems and IoT	Product	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	17251A1746						
	17251A1755						
	17251A1758						
12	17251A1711	Performance analysis of multiple access schemes in 4G LTE Networks	P. Sreesudha	Communication Technologies	Review	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	17251A1712						
	17251A1704						
	18255A1703						
13	17251A1749	A Prototype for Flood Warning and Management System using Mobile Networks	G.Swetha	Communication Technologies	Application	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	17251A1747						
	17251A1723						
14	17251A1736	Child rescue system from open borewells	T. Sunitha	Embedded Systems and IoT	Product	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	17251A1759						
	17251A1735						
	17251A1721						

C. Project related to Industry (3)

Students are also encouraged to do the Project outside the campus (i.e.) preferably in Industries. If the students conduct their Projects in industries, they get exposure to real-time and challenging industrial problems. Moreover, the students can utilize the opportunity to undergo such kind of real-time projects that further enhances industry-campus association. Upon a successful project completion with industry may also lead to an employment opportunity for a student after completing their graduation.

Table B.2.2.3.d: projects related to Industry

AY:2022-23					
S.No	Roll Number	Internal Guide	Title of the Project	Collaboration	Domain

1	19251A1753	Mr.N.Rama Krishna	Deep Learning based Real-Time industrial Framework for fruit freshness detection using Computer Vision methods	Omniwyse	Machine learning
	19251A1746				
	19251A1718				
2	19251A1723	Mrs V.Anitha	An Efficient Spam Detection Technique for Devices using Machine Learning	Omniwyse	Machine learning
	19251A1722				
3	19251A1749	Mr.A.Chandra Shaker	Automated Irrigation System Using ML and IOT	Creative Tech	Embedded Systems and IoT
	19251A1750				
	19251A1751				
	19251A1755				
4	19251A1752	Dr.T.Sunitha	IoT based Smart Home automation and Security	Creative Tech	Embedded Systems and IoT
	19251A1714				
	19251A1760				
	20255A1703				

AY:2021-22

S.No	Roll Number	Internal Guide	Title of the Project	Collaboration	Domain
1	18251A1703	Dr.K.Rama Linga Reddy	Missing Child Identification Using Deep Learning	Omniwyse	Machine learning
	18251A1708				
	18251A1709				
	18251A1729				
2	18251A1712	Mr.N.Rama Krishna	Image Segmentation By U-NET Mode	Omniwyse	Machine learning
	18251A1724				
	18251A1738				
	18251A1743				
3	18251A1701	Mr.N.Rama Krishna	Image Classification Using Deep Convolutional Neural Networks	Omniwyse	Machine learning
	18251A1705				
	18251A1707				
	18251A1759				
4	18251A1704	Mrs.M.Jyothisna	IOT based Accident and Rescue System	Creative Tech	Embedded Systems and IoT
	18251A1733				
	19255A1705				
	19255A1706				
5	18251A1713	Mr.A.Chandra Shaker	IOT Based Automated Hydroponic System	Creative Tech	Embedded Systems and IoT
	18251A1740				
	18251A1751				
	18251A1753				

AY:2020-21

S.No	Roll Number	Internal Guide	Title of the Project	Collaboration	Domain
------	-------------	----------------	----------------------	---------------	--------

1	17251A1718	Dr.Raj Kumar L Biradar	Detection and removal of shadow in color images and videos	Omniwyse	Machine learning
	17251A1720				
	17251A1738				
	17251A1728				
2	17251A1744	Mrs V.Anitha	Hand gesture recognition using image processing	Omniwyse	Machine learning
	17251A1729				
	17251A1716				
	17251A1731				

D. Process for monitoring and evaluation (2)

Methodology (Appropriately documented) to assess individual contribution/understanding of the project as well as collective contribution/understanding

The Departmental Project Review committee and the Project Supervisor together will evaluate and analyze the nature of the project during the project reviews conducted at the different stages of evaluation and make sure that the work is having good progress. Students are motivated to publish their project work in reputed journals/patents along with the help of project supervisor after the completion of the project work. The following Table B.2.2.3.e shows the criteria to be followed during the evaluation of project reviews.

Table B.2.2.3.e: Process of Project Review

Review No	Criteria to determine the evaluation of project
Review-1	Problem Statement is derived and objectives are well defined. The strategic plan leading for upcoming advancements in project work is categorized into modules to work in 2 phases.
Review -2	Literature Survey is studied with every detail included to emphasize their journey to the problem statement derived. Methodology chosen is observed clearly. Comparative analysis between existing and proposed system are also canvassed here. Algorithms preferred are included in a brief discussion with PRC & Supervisor to decide about the techniques to be implemented. Datasets from only promising sources are being considered.
Review-3	The quality of the project is maintained by its compatibility, complexity, and ease of use along with algorithms and performance parameters defined earlier. Partial results are also seen in this review.
Review-4	Arriving to a considerable end of developing the project - results, discussions on future enhancements, documentation of thesis, presentations are given in this review. Paper Publications/Patents published in reputed journals stand as an accomplishment for their hard work and dedication towards it.

- **Review-1:** Abstract Review will be conducted by PRC formed by HOD. Students will be presenting their problem statement, their further plan of action of how to go ahead with the project is given in form of objectives & modules which are implemented in two phases. If the problem statement derivation or defining objectives is not yet to achieve, then as per fig 2.2.3.1 students should work on the suggestion given by PRC and then get the approval of project.
- **Review 2:** In this review the PRC and supervisor are going to validate the methodology chosen by students. Algorithms in the existing systems are thoroughly investigated to overcome the flaws of prevailing ones. Datasets are collected to initiate the implementation process.
- **Review 3:** In this review student projects in the implementation phase are analyzed, along with which their objectives and modules are also assessed. Compatibility, Complexity and Partial Results are also taken into consideration during this review as mentioned in table 2.2.3.1.
- **Review 4:** With this review completion of the project is seen. Evaluation of the project is done based on efforts made by the individuals/batches in terms of technology used, approach used to solve the problem statement, product/app developed. Presentations are being scheduled as part of continuous assessment till the end of the year to acquire the better quality of projects through engineering. Documentation is being done to maintain the particulars of project in a comprehensive manner. Adding to these parameters paper publications done by students will also stand as an accomplishment for the work carried out by supervisor and PRC. External Viva Voce is being conducted by an academican/ industry expert to perceive the best projects.

The evaluation and the assessment criteria and the division of marks for the CIE and the SEE are as follows

- a. The Project Work shall be divided and carried out in 2 phases: Phase - I (Project-I) during IV Year I Semester, and Phase - II (Project -II) during IV Year II Semester, and the student has to prepare two independent Project Work Reports – one during each phase. First Report shall include the Project Work carried out under Phase-I, and the Second Report (Final Report) shall include the Project Work carried out under Phase -I and Phase - II put together. Phase- I and Phase- II of the Project Work shall be evaluated for 100 marks each.

Table B.2.2.3.f:Assessment Criteria Phase-I and Phase-II

Assessment	Evaluator	CIE / SEE
Internal	PRC, Supervisor	CIE (30M)
External	Viva Voce by External Examiner	SEE (70M)
	Total	100M

- b. As in table B.2.2.3.f shows, out of the total 100 marks allotted for each Phase of the Project Work, 30 marks shall be for the CIE (Continuous Internal Evaluation/CIE).
- c. 70 Marks shall be for the End Semester Vivavoce Examination/SEE). The Marks earned under CIE for both Phases of the Project shall be awarded by the Project Guide/ Supervisor (based on the continuous evaluation of student's performance during the two Project Work Phases/periods) and the marks earned under SEE shall be awarded by the Project Viva-voce Committee/ Board (based on the work carried out, report prepared and the presentation made by the student at the time of Viva-voce Examination).
- d. For the Project Phase - I, the Viva-voce shall be conducted at the end of the IV Year I Semester, before the commencement of that Semester End Examinations, at the Department Level by a Committee comprising of the HOD or One Professor and Supervisor (no external examiner).
- e. Project Phase - II (or Final Project Viva-voce) shall be conducted by a Committee comprising of an External Examiner, the Head of the Department and the Project Supervisor at the end of the IV Year II Semester, before the commencement of semester and examinations. The nomination of the External Examiner shall be done by the Principal from the panel of 3 names of external faculty members (Professors or Associate Professors outside the College) submitted by the HOD.

Tables B.2.2.3.g and B.2.2.3.h shows the Assessment for Continuous Internal Evaluation during reviews. Rubrics are listed for evaluating Project work in CIE for Phase-I and Phase-II.

- Problem Identification
- Literature Survey
- Design
- Team work and project management
- Implementation
- Project Documentation Delivery

Table B.2.2.3.g: Project Phase-I, Assessment for Continuous Internal Evaluation during reviews (Review-1,2)

Rubrics for Review 1&2	Problem Identification	Literature Survey	Design	Project Documentation &Delivery
Marks	5M	5M	10M	10M
COs	CO1	CO1	CO2	CO6

List of Course Outcomes:

CO1:Identify and define complex problem statements through rigorous literature reviews or industry analyses.

CO2:Apply engineering principles to design innovative solutions for real-world problems, integrating creativity and technical knowledge

CO3: Understand ethical considerations, exhibit professional responsibility, and prioritize safety, sustainability, and societal impact across the project lifecycle.

CO4:Demonstrate mastery in developing and testing advanced prototypes or algorithms, using relevant tools, technologies, and methodologies

CO5: Accomplish objectives through advanced network, leadership and management.

CO6: Deliver presentations and articulate findings and solutions both orally and in written reports.

TableB.2.2.3.h: Project Phase-II, Assessment for Continuous Internal Evaluation during reviews (Review-3&4)

Rubrics for Review 3&4	Team work and project Management	Implementation	Project Documentation &Delivery
Marks	5M	15M	10M
COs	CO3&CO5	CO4	CO6

List of Course Outcomes:

CO1:Identify and define complex problem statements through rigorous literature reviews or industry analyses.

CO2:Apply engineering principles to design innovative solutions for real-world problems, integrating creativity and technical knowledge

CO3: Understand ethical considerations, exhibit professional responsibility, and prioritize safety, sustainability, and societal impact across the project lifecycle.

CO4:Demonstrate mastery in developing and testing advanced prototypes or algorithms, using relevant tools, technologies, and methodologies

CO5: Accomplish objectives through advanced network, leadership and management.

CO6: Deliver presentations and articulate findings and solutions both orally and in written reports.

Assessment Procedure adopted for Continuous Internal Evaluation (CIE) by Supervisor.

The procedure for the internal review and evaluation of project work is meticulously structured to ensure thorough scrutiny and validation at various stages.

Formulation of the problem statement related to various applications like Industry / Domain / Societal / Research.

- Systematic review with clear expression of existing system, identification of gaps, challenges towards the proposed system.
- Detailing the project work design methodology and choice of investigation route, highlighting the novelty.
- Implementation of the project objectives.
- Validation of results and outcomes of the projects.
- Purposeful presentations followed by project report submission and publication efforts.

Formulation of the problem statement related to various applications like Industry / Domain / Societal / Research: The project work starts with formulating the problem statement and clearly defining a problem related to various applications related to industry, societal, or research domains, ensuring the projects relevance and potential impact.

Systematic review with clear expression of existing system, identification of gaps, challenges towards the proposed system: A systematic review meticulously is conducted to clearly evaluate an existing system, in terms of its strengths and limitations. This stage methodically identifies the gaps and challenges, offering a comprehensive understanding of areas of improvement or further research.

Detailing the project work design methodology and highlighting the novelty: The project work methodology is detailed, outlining the chosen route of investigation. This includes a justification for the approach taken, emphasizing its effectiveness in exploring the research objective and highlighting the projects innovative aspects.

Implementation of the project objectives: The project objectives are implemented in a modular fashion, allowing for focused development and easier assessment of each component. This strategy enhances the manageability and adaptability of the project.

Validation of results and outcomes of the projects: Rigorous validation of the projects results and outcomes is carried out to ensure their reliability and relevance. This critical step confirms the projects contributions and significance to the field.

Purposeful presentations followed by project report submission and publication efforts: The research findings are communicated through purposeful presentations, followed by the submission of a detailed project report. This ensures clear dissemination of the projects value and insights. Efforts are made to publish the work, aiming to share the projects contributions with a broader audience. This extends the projects reach and impact, benefiting both the academic community and relevant industries.

Table B.2.2.3.i shows the Assessment for Semester End Examination (SEE) for Phase-I and Phase-II. Rubrics are listed for evaluating Project work in SEE for Phase-I and Phase-II.

- Problem Identification
- Literature Survey
- Design
- Team work and project management
- Implementation
- Project Documentation Delivery

Table B.2.2.3.i: Project Phase-II, Assessment for Semester End Examination for phase I&II

Rubrics for Phase 1	Problem Identification	Literature Survey	Design	Team work and project Management	Implementation	Project Documentation & Delivery
Marks	10	10	10	10M	15M	15M
COs	CO1	CO1	CO2	CO3&CO5	CO4	CO6

List of Course Outcomes:

CO1: Identify and define complex problem statements through rigorous literature reviews or industry analyses.

CO2: Apply engineering principles to design innovative solutions for real-world problems, integrating creativity and technical knowledge

CO3: Understand ethical considerations, exhibit professional responsibility, and prioritize safety, sustainability, and societal impact across the project lifecycle.

CO4: Demonstrate mastery in developing and testing advanced prototypes or algorithms, using relevant tools, technologies, and methodologies

CO5: Accomplish objectives through advanced network, leadership and management.

CO6: Deliver presentations and articulate findings and solutions both orally and in written reports.

E. Process to assess individual and Team Performance (3)

The project review committee and project supervisor assesses the individual and team performance by continuous reviews and semester end viva-voce examination. The assessment of final year students' project work is done considering following criteria:

- Definition of Problem Statement
- Objectives & Modules
- Inferences from Literature Review, Comparisons between existing and proposed system
- Usefulness & Societal Applications / Industry and Plan of Action
- Content & Relevance, Design & Analysis
- Implementation
- Presentation, End Result
- Documentation, Paper Publications/Patents, Questionnaire.

F: Quality of completed projects/working prototypes (5)





The quality of the Project is evaluated based on the conversion possibility of the ideas synthesized during the Project based on the real outcome; also, Quality projects are encouraged to be present in the national/international conference and journals for publications.





- > The completed projects are encouraged to publish papers in standard publications, IEEE conferences and Scopus indexed journals
- > The students are motivated to file patents with their projects



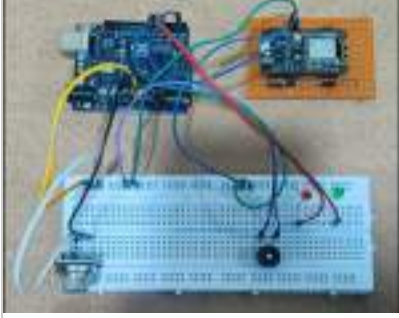
> The projects are converted as a prototype model and submitted for Different funding Agencies.

The following are the list of Working models developed:

Table B.2.2.3.j:List of working models

S.No	Roll No	Name of student	Guide	Project Title	Image
1	20251A1701, 20251A1709, 20251A1712, 20251A1724	AdepuSathvika, MandavaPujitha, MacharlaAkhila, Thatipalli Sowmya	Dr K Rama Linga Reddy	IoT Based Smart Cradle System	
2	20251A1704, 20251A1718, 20251A1722, 20251A1744	Barigala Ananya Sree, Polkam Srinidhi, Sheri Shivani, KhandeshRashmika	G. Krishna Reddy	IoT Based Smart Energy Meter	
3	20251A1733, 20251A1737, 20251A1739, 20251A1753	Arshiya, Doniparthi Ishitha, Geddama Sravya, SurapaneniVathsalya	Dr A Naveena	Farm Bot	
4	20251A1702, 21255A1702, 21255A1707	Ambati Bala Vijaya Nirmala, Silveru Sowmya, KarediSuchithra	Dr M Vijaya Lakshmi	Wireless Electric Vehicle Charging System	

5	20251A17 13, 20251A17 15, 20251A17 42, 20251A17 46	Myadam Harika, Palavarapu Joshitha, Gundapaneni Sai Pravallika, Kurella Anusha	V Vikas	SWIFT: Safety Wear for Immediate Fall Trauma	
6	20251A17 06, 20251A17 11, 20251A17 20, 20251A17 50	Devaragatla Ramya Sri, Manideepa Kasula, Shaik Ashrafa, Ramavath Harshitha	A Chandra Shaker	Smart Flow: A Real-Time Water Management Solution	
7	20251A17 03, 20251A17 05, 20251A17 07, 20251A17 08	B Lalithya, Bollineni Sahithi, K Akshaya Krupa, KonalaDyuthi	V Vikas	Eye Blink-Controlled Wheel Chair: Enhancing Mobility and Independence for Individuals with Disabilities	
8	20251A17 16, 20251A17 25, 20251A17 26, 20251A17 27	P Sanjana Reddy, ThippaniJyoshna, Thipparaju Sri Vaishnavi, Thoka Bhavani	Ms. K. Pranathi	Detection of active mobile phones and hidden camera	

9	20251A17 31, 20251A17 36, 20251A17 49, 21255A17 05	Aishwarya Rao, Boddulah Kalyani, OjaswiCheekati, Vadla Varsha	Dr. T. Sunitha	Automated Alcohol Sensing Engine Locker	
10	20251A17 51, 20251A17 54, 20251A17 55, 21255A17 06	SeepellyLikitha, Syed AfifaZohreen, ThoutamVyshnavi, Ponnala Sai Sharanya	Mrs. A. Sneha Keerthi	Advanced School Bus Safety System	
11	20251A17 47, 20251A17 48, 20251A17 52, 20251A17 57	Mamidipalli Varsha, N Deetya Reddy, Shreya Konderi, WoolichiHarshavalli	Mrs. V. Anitha	Food Spoilage Detection System	

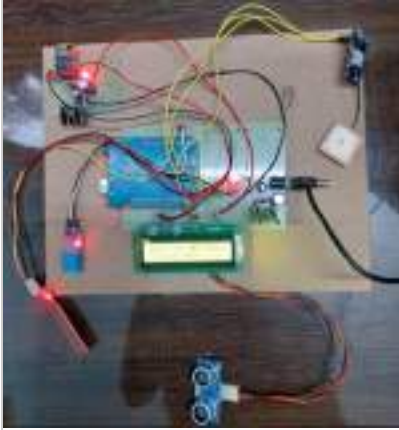

20251A1714, 20251A1730, 12 21255A1703, 21255A1704	NigamaSrivatsava, Aakanksha Gaikwad, Nabi Unissa, NekkalapudiHaveela	Ms. K. Pranathi	Real-Time Monitoring for Efficient Drainage System	
20251A1721, 20251A1728, 13 20251A1740, 20251A1756	Shaik Sofia Jasmine, Yarrapothu Neha, GovinduPranathi, Utlia Srividya	Dr. P. Sreesudha	Li-Fi Data Transfer System	

Table B.2.2.3.K :Best Major projects for the Academic year 2022-23:

S.No	Roll No	Project Title	Project Guide	Prize
1	19251A1738	A Prototype of Remote Smart Waste Segregation and Garbage Level Monitoring System	Ms.K.Pranathi	I
	19251A1754			
	19251A1731			
	20255A1704			
2	19251A1726	Security Audit for Webpage	Mr.V.Vikas	II
	19251A1724			
	19251A1757			
	19251A1703			
3	19251A1721	Detection of Stuttering behaviour using Machine Learning Algorithms	Dr K.Ramalinga Reddy	III

Table B.2.2.3.I:Best Major projects for the Academic year 2021-22:

S.No	Roll No	Project Title	Project Guide	Prize
------	---------	---------------	---------------	-------

1	18251A1713	IOT BASED AUTOMATED HYDROPONIC SYSTEM	A.Chandra Shaker	I
	18251A1740			
	18251A1751			
	18251A1753			
2	19255A1702	SMART OBJECT DETECTION USING TENSOR FLOWJS	A.Chandra Shaker	II
	18251A1748			
	18251A1754			
	18251A1730			
3	18251A1710	IMPLEMENTAT ION OF RAKE RECEIVER USING MRC TECHNIQUE FOR CDMA SYSTEM	P.Srisudha	III
	18251A1720			
	18251A1742			
	18251A1746			

Table B.2.2.3.m:Best Major projects for the Academic year 2020-21:

S.NO	Batch	Title of the project	Guide	Prize
1	17251A1715	ML based detection of bidding down attack in 5G	V.Vikas	I
	17251A1727			
	17251A1754			
	17251A1760			
2	17251A1733	Performance analysis of efficient and low complexity MIMO OFDM system using STBC and V-BLAST	Dr. K. RamaLinga Reddy	II
	17251A1703			
	17251A1722			
	17251A1708			
3	17251A1710	Optimal driving system using smart Helmet	G.Krishna Reddy	III
	17251A1742			
	17251A1756			
	17251A1757			

G. Evidences of papers published /Awards received by projects etc. (3)

The students work with innovative ideas towards implementation of real time projects. They are encouraged to present &publish papers in International conferences and journals .The following projects listed below published papers in various journals and conferences.

ACADEMIC YEAR 2023-24

S.NO	H.T.NO	Student Name	Internal Guide	Title of the Paper Published	Journal/Conference
1	18251A1737	G. Gagana Reddy	M. Vijaya Lakshmi	Performance Comparision of Channel Coding Techniques for OFDM System	IOP Conference Series: Materials Science and Engineerin
	18251A1731	Alamur Sucharitha			
	18251A1719	N. Akshara			
	18251A1747	N. Vaishnavi			

2	19251A1718 Sai Anusha Dokka 19251A1746 Abhigna Nadupalli	Dr. Ambidi Naveena	IoT Based Patient Healthcare Monitoring System	International Journal for Research in Applied Science & Engineering Technology
3	19251A1716 D.Aashritha 19251A1723 G.Meghana 19251A1719 D.Greeshma 19251A1722 G.Rushika	Dr. P. Sreesudha	Arduino Based Car Speed Detector Circuit	International Journal for Research in Applied Science & Engineering Technology (IJRASET), Vol. 11
4	18251A1751 L. Sai Srivalli 18251A1740 K. Sharanya 19251A1755 D. Akhila 18251A1753 T. Madhu Chandana	A. Chandra Shaker	Automated Hydroponic System with Solar Powered Battery Management System	International Journal for Research in Applied Science & Engineering Technology (IJRASET)
5	19251A1704 A. Lalitha 19251A1705 A. Sandhya 19251A1741 M. Veena 19251A1744 M. Sri Pujitha	Dr. Sunitha Tappar	Fingerprint Based Smart Vehicle	International Journal for Research in Applied Science and Engineering Technology (IJRASET),
6	19251A1718 Sai Anusha 19251A1746 N. Abhigna 19251A1753 S. Sangeetha	N. Ramakrishna	Fruit Freshness Evaluation using a Real-Time Industrial Framework for Deep Learning Ensemble Approaches	International Journal for Research in Applied Science and Engineering Technology (IJRASET),
7	19251A1758 T. Yamini 19251A1740 M. Thrisha	Dr. Rajkumar L. Biradar	Greenhouse Monitoring and Controlling for Cultivation of Plant	International Journal for Research in Applied Science and Engineering Technology (IJRASET),
8	18251A1703 B. Vaishnavi 19251A1717 D. Ruchitha 19251A1745 M. Tanmayi 19251A1711 Buskani Aishwarya	Dr. P. Sreesudha	Performance Analysis of Selective Mapping and Clipping based MC-CDMA System	International Journal of Wireless Communications and Networking Technologies (IJWCNT),
9	19251A1756 T. Charitha 19251A1702 A. Vineela 19251A1737 K. Karishma 20255A1706 K. Bhargavi	Dr. P. Sreesudha	Performance Analysis of Spatially Multiplexed MIMO System	International Journal for Research in Applied Science & Engineering Technology (IJRASET), Vol. 11
10	19251A1724 G. Saisri 19251A1757 T. Sai Meghana 19251A1726 G. Kaveri 19251A1703 A. Sree Harshini	Vippalalalli Vikas	Web Security Audit and Penetration Testing: Identifying Vulnerabilities and Strengthening Website Security	International Journal For Research in Applied Science and Engineering Technology, Volume 11, Issue 7
11	19251A1720 Donthula Aashritha 19251A1722 Gunda Rushika 19251A1723 Gaddam Meghana	Vulugundam Anitha	Adaboost Model-Based Approach for Effectively Detecting Spam in IoT Devices	International Journal For Research in Applied Science and Engineering Technology, Volume 11, Issue 7
12	20255A1744 B. Ananya Sree 20255A1722 P. SriNidhi 20255A1704 S. Shivani 20255A1718 K. Rashmika	Mr. G. Krishna Reddy	IOT BASED SMART ENERGY METER	International Journal of Engineering Science Invention Research & Development;

13	18251A1712	Prakhya Korada	Dr. Ambidi Naveena	Assistant talking bot: For people with physical disabilities	International Journal of Recent Technology and Engineering (IJRTE)
			AY-2022-2023		
1	19251A1707	B. Shashitha	Dr. M. VijayaLakshmi	Deep Learning Aided 5G Channel Estimation	IJRASET, Vol-11, Issue6,
	19251A1709	B. Alekhya			
	19251A1712	Clementina Rithika			
	19251A1713	CH. Bhavana			
2	19251A1738	Lakshmi Hemaswi Chava	Ms. K. Pranathi	A Prototype of the Waste Segregation and Remote Garbage Level Monitoring System	International Journal For Research in Applied Science and Engineering Technology, Volume 11, Issue 7
	20255A1704	Kandle Meghana			
	19251A1731	K. P. Pavani			
	19251A1754	Sravya Jale			
3	19251A1714	Chilukuri Hemavalli	Dr. Sunitha Tappara	IoT Based Smart Home Automation and Security	International Journal For Research in Applied Science and Engineering Technology, Volume 11, Issue 7
	19251A1714	Indrasena			
	19251A1752	Shaik Fa			
4	19251A1759	A. Lalitha	G. Krishna Reddy	PAPR Reduction of OFDM signals using PTS and Firefly algorithm	Volume 11 Issue VI Jun 2023
	19251A1705	A. Sandhya			
	19251A1741	M. Veena			
	19251A1744	M. Sri Pujitha			
5	18251A1751	L. Sai Srivalli	A. Chandra Shaker	Automated Hydroponic System with Solar Powered Battery Management System	International Journal For Research in Applied Science and Engineering Technology, Volume 11, Issue 7
	18251A1740	K. Sharanya			
	18251A1713	D. Akhila			
	18251A1753	T. Madhu Chandana			
6	20255A1704	Kandle Meghana	Dr. Ambidi Naveena	Home Surveillance Using Robotic Eye	International Journal for Research in Applied Science & Engineering Technology (IJRASET)
	19251A1754	Sravya Jale			
			AY-2021-2022		
1	17251A1706	E. N. S. S. Anjana,	Dr. Ambidi Naveena	IoT Sensors, Classification and applications in Weather Monitoring	International Journal of Health Sciences ISSN 2550-6978 E-ISSN 2550-696X © 2022.

2.2.4 Initiatives related to industry interaction (10)

Institute Marks : 10.00

2.2.4. Initiatives related to industry interaction (10)

A. Industry supported laboratories (2)

Industry interactions help the students to acquire the practical knowledge. Department of ETE has continuous interaction with various companies in order to continuously improve the teaching learning process, fill gaps in the curriculum, etc. The department has industry-supported labs, through which students can access their required software/hardware for the project-related works. The lab details are given in Table B.2.2.4.a & b

Table B.2.2.4.a: Industry supported laboratory

S.NO	Laboratory Name	Supported by	Funding Agency
1	Project Laboratory	S&S lab manufactures	AICTE MODROB

List of equipment purchased under MODROB for project Laboratory:

Table B.2.2.4.b: List of equipment purchased under MODROB for project Laboratory

S.No.	Name of equipment	Quantity
1	Transmission Line Analyzer (Spectrum Scope with 30MHz Oscilloscope)	1
2	Advanced Satellite Communication Trainer Kit	1
3	Doppler Radar Training System 10 GHz	1
4	Transmission Line Trainer TLA05	1
5	Embedded Sensor Area Network	1
6	Mobile Trainer kit with GSM Real Time Application	1
7	ARM-9 Based Boards , Advanced board with Compiler software STK-9302 trainer for ARM9 Controller	2
8	Antenna Training System	1
9	Consumable Items in R&D	49

Workshops and Training programs conducted in the project Laboratory:

Table B.2.2.4.c: Workshops and Training programs conducted in the project Laboratory

S. No	Academic Year	Duration of workshop	Title of the workshop	Industry Collaboration	No. of students participated
-------	---------------	----------------------	-----------------------	------------------------	------------------------------

1	2021-2022	6 days	Satellite Communications and its applications	SS Lab Equipments	45
2	2022-2023	6 days	Antenna Design techniques for various application	SS Lab Equipments	54

B. Industry involvement in the program design and Curriculum (3)

The curriculum of ETE Department is always made to ensure that it meets the society and industry requirements. It has been a continuous practice for ETE Department to update and revise the academic syllabus by making sure that the industry personnel take an active role in curriculum design along with faculty from premiere institutions and universities.

Experts from industry are invited to serve as the Board of studies members. The table B.2.2.4.d below gives the list of BoS members from the industry who continuously advice and suggest for the development of academic curriculum to meet the current industrial requirements.

Table B.2.2.4.d: List of BOS members from the industry (R-18 Regulation):

S.No	Name	Designation
1	Mr. N. Venkatesh,	Senior Vice President, Red pine Signals, Hyderabad
2	Ms D. Sai Manogna	Assistant Consultant, TCS

Table B.2.2.4.e: List of BOS members from the industry(R-22 Regulation):

S.No	Name	Designation
1	Mr. Ch.Nanda Kishore	Senior Manager, Signal Processing and Communication Group, Mathworks, India Pvt Ltd.
2	Ms D. Sai Manogna	Assistant Consultant, TCS

G.Narayanamma Institute of Technology & Science (for women)
(Autonomous)
Shaikpet, Hyderabad-500104
(Affiliated to JNTUH Hyderabad)

Minutes of the First Board of studies committee (for ETE) meeting held at the department of Electronics & Telematics Engineering Department, GNITS (For Women):

- The first Board of studies Committee of the ETE Department, GNITS, Hyderabad, has been instituted with effect from 10/05/2018 (for a period of 3 years), with the following members:
1. Dr.K.Rama Linga Reddy, Professor & HOD, ETE, GNITS – BoS Chairman
 2. Dr. D.Sreenivasa Rao, Professor, ECE Dept., JNTUCE, JNTUH – External Member
 3. Dr. D.Krishna Reddy, Professor, ECE Dept., CBIT, Hyderabad – External Member
 4. Dr. E.Sreenivasa Rao, Professor, ECE Dept., Vasavi College of Engineering – External Member
 5. Mr. N.Venkatesh, Senior Vice President, Redpine Signals, Hyderabad – External Member
 6. Ms D. Sai Manogna, IT Analyst, TCS – External Member
 7. Mr. Dr.Rajkumar L.Biradar Professor, ETE, GNITS, Hyderabad – Internal Member
 8. Mr. G.Krishna Reddy , Assoc Prof, ETE, GNITS, Hyderabad – Internal Member
 9. Mrs. A.Naveena, Asst Prof, ETE GNITS, Hyderabad – Internal Member
 10. Mrs M.Vijaya Lakshmi, Asst Prof, ETE GNITS, Hyderabad – Internal Member
- The first meeting of the BoS committee of the ETE Department was held during 14th & 15th May 2018, at the ETE department, GNITS, Hyderabad.

Minutes of the first BoS meeting of ETE Department:

1. Dr K.Ramalings Reddy, BoS chair, extended a cordial welcome to all the members of the BoS for ETE, for the first BoS meeting of ETE Department (after attaining the UGC Autonomous status in April 2018), and introduced all the members.
2. After lengthy deliberations and progressive discussions, all the members of the BoS for ETE have unanimously approved-
 - a) The Four Year 8 Semester UG Degree Course Structure for B.Tech. Programme in ETE Department, with total of 160 Credits, as per contents enclosed.
 - b) The Academic Regulations for B.Tech Programme (with 160 Credits) in ETE department (GNITS_R18 UG academic regulations), as per contents enclosed.
 - c) The course contents and syllabi of all the Courses/Subjects of the 4 Semester the first TWO YEARS of B.Tech degree course in ETE, as per details enclosed.
 - d) The Two Year 4 Semester PG Degree Course structure for M.Tech Programme in ETE Department – with Wireless and Mobile Communications Engineering (WMC) specialization, with a total of 68 Credits, as per contents enclosed.
 - e) The Academic Regulations for M.Tech Programme (with 68 Credits) in ETE Department (GNITS_R18 PG academic regulations) with WMC specialization, as per contents enclosed.
 - f) The Course Contents and Syllabi of all the Courses/Subjects of the 4 Semester M.Tech. Degree Course in ETE with WMC specializations, as per details enclosed.

Figure B.2.2.4 a: List of BoS members for R18

G.Narayanamma Institute of Technology & Science (for women)
(Autonomous)
Shaikpet, Hyderabad-500104
(Affiliated to JNTUH Hyderabad)

Minutes of the Third Board of studies committee (for ETE) meeting held at the department of Electronics & Telematics Engineering Department, GNITS (For Women):

- The Third Board of studies Committee of the ETE Department, GNITS, Hyderabad, has been constituted with effect from June 2021 (for a period of 3 years), with the following members.

S.No.	Name of the Expert	Category	Designation
1	Dr. K.Rama Linga Reddy	Chairman - BOS	HOD, ETE & Chairman - BOS
2	Dr.D.Sreenivasa Rao	Subject Expert (Parent University)	Professor, ECE, JNTUH
3	Dr.D.G.vishnu Reddy	Subject Expert (Outside the Parent University)	Professor, ECE Dept. CBIT
4	Dr.E.Sreenivasa Rao	Subject Expert (Outside the Parent University)	Professor, ECE Dept. VIT-VEIT College of Engineering
5	Mr. Ch.Narada Kiran	Industrialist	Senior Manager, Signal Processing and Communication Group, Mathworks India Pvt Ltd.,
6	Dr.Rajkumar L.Borade	Internal Member	Professor, ETE, GNITS
7	Mr. G.Krishna Reddy	Internal Member	Associate Professor, ETE, GNITS
8	Dr. A.Naveena	Internal Member	Asst.Prof, ETE, GNITS
9	Dr.M.Vijaya Lakshmi	Internal Member	Asst.Prof, ETE, GNITS
10	Ms.D.Sri Manojana	Alumni	Assistant Consultant, TCS (Ahmedabad)

- The third meeting of the BoS committee of the ETE Department was held during 24th September 2022, at the ETE department, GNITS, Hyderabad.

Minutes of the third BoS meeting of ETE Department:

- Dr.K.RamaLinga Reddy, BoS chair, extended a cordial welcome to all the members of the BoS for ETE, for the third BoS meeting of ETE Department (after attaining the UGC Autonomous status in April 2018), and introduced all the members.
- After lengthy deliberations and progressive discussions, all the members of the BoS for ETE have unanimously approved:
 - The Four Year 8 Semester UG Degree Course Structure for B.Tech. Programs in ETE Department, with total of 160 Credits, as per contents enclosed.
 - The Academic Regulations for B.Tech. Programs (with 160 Credits) in ETE department (GNITS, R22 UG academic regulations), as per contents enclosed.
 - The course contents and syllabi of all the Courses/Subjects of the 4 Semester the first TWO YEARS of B.Tech degree course in ETE, as per details enclosed.
- The BoS Committee formally authorized the BoS Chair of ETE Department, to include any minor modifications or corrections needed for the UG course Structure and Academic Regulations (2022) at later dates, if approved and recommended by the ETE Department Advisory Committee.

Figure B.2.2.4 b: List of BoS members for R22

The Department Advisory Committee (DAC) also includes an industry expert who contributes insights from the field to refine the syllabus in accordance with present-day industrial demands.

Department Advisory Committee		
S.No	Name & Details	Designation
1	Dr Rajkumar L. Shivale Member Secretary	Professor, PGD, ETE
2	Dr N. Hansa Liaga Reddy Chairperson	Professor, Dean, Academic
3	Mr G. Konda Reddy Member in Faculty	Associate Professor, ETE
4	Dr A. Narayana Member in Faculty	Assistant Professor, ETE
5	Dr D. Krishna Reddy Member from Other Institution	Professor SCE, CEIT
6	Dr Ramesh Mishra Member from other Department	Professor, ECE Dept
7	Mr G. Manohar Reddy Member from Industry	Divisional Engineer, WDG
8	Mr H. Babu Rao Parent Member	Chairman Deemed Faculty (Parent)
9	Ms. Nataraj Joshi Alumni Member	Vice President, WDG Fargo

Figure B.2.2.4 c: List of DAC members

The ETE Department also consider the feedback from Industrial experts for GNR-18 regulation and based on their suggestions syllabus can be modified or new Theory/lab courses are introduced in the R22 regulation.

G. NARAYANAMMA INSTITUTE OF TECHNOLOGY & SCIENCE (For Women)
 (Autonomous)
 Shakpet, Hyderabad - 501104
Curriculum_Employees Feedback (For GNR-18 Curriculum)
 Academic Year : 2023-23
DEPARTMENT OF ELECTRONICS AND TELEMATICS ENGINEERING
 Date: 03/03/23

Name: N. Duba Raja
 Name of the Organization/Institution: Deloitte
 Designation: Senior Consultant
 Higher Education: B.Tech
 Experience: 5 years
 Mail ID: nardubara@gmail.com
 Phone No: 9440444401

- Rate the adequacy of the courses offered in the program.
 a) Excellent b) Very good c) good d) Average e) poor
- Rate the Opportunity for developing skills in the curriculum.
 a) Excellent b) very good c) good d) Average e) poor
- Rate the depth of the curriculum.
 a) Excellent b) Very good c) good d) Average e) poor
- Rate the relevance of the course for providing employability.
 a) Excellent b) very good c) good d) Average e) poor
- Rate the worth of syllabus in relation to the needs of industry/society.
 a) Excellent b) very good c) good d) Average e) poor
- Rate the conduciveness of the syllabus for the students' readiness towards employment.
 a) Excellent b) Very good c) good d) Average e) poor
- Rate the provision of stimulating students' creativity in the curriculum.
 a) Excellent b) very good c) good d) Average e) poor

Any other Suggestions:
 Include more programming subjects in the curriculum.

Raja
 Signature

Figure B.2.2.3.d. Sample Feedback form on curriculum from Employer

C. Industry involvement in partial delivery of any regular courses for students (3)

The students of ETE department are exposed to the Industry environment to know, understand, and learn the latest advances and current Developments in industry by continuously engaging them with industry expert lectures, guest lectures, and learning via industrial visits. In addition to this they also undergo value added courses. This helps them to feel the experience beyond classroom environment. The details of the lectures, trainings are mentioned below.

Table B.2.2.4.f : List of courses covered by Industrial Experts

Academic Year 2023-2024:

S. No	Date	Program (duration)	Title of the Program	Industry Collaboration	No.of students participated
-------	------	--------------------	----------------------	------------------------	-----------------------------

1	19-08-2023	1day	Seminar on "current trends in verifying complex chips"	Moschip semiconductors	156
2	22-08-2023	1day	Seminar on Trends in VLSI Design, fabrication and design flow of SOC	BiCMOS Electronics	120
3	22-08-2023	1day	Seminar on "Innovate using Emerging Technologies"	mathworks	101
4	11-10-2023	1day	Seminar on "campus to corporate journey"	Smart bridge, hyd	60
5	18-10-2023	1day	Seminar on "navigating your future:career opportunities after B.tech"	ACE Engineering academy,hyd	75
6	4-11-2023	1day	Workshop on drone technology in architecture education	Drone academy	47
7	16-12-2023 to 23-12-2023	6-days	workshop on Embedded Systems and IoT	Qvantel software solutions	69
8	12/12/2023	1day	Emergence of large language models for natural language processing	HSBC, Bengaluru, Karnataka	108
9	16-02-2024	1day	Evolution and challenges of various Mobile & Wireless Technologies Career Opportunities in Industry	Qualcomm	50
10	13-03-2024	1day	Microgrids for Reliable and Resilient Electricity Supply	Solar Semi Microgrid	70

Academic Year 2022-2023:

S. No	Date	Program Duration	Title of the Program	Industry Collaboration	No.of students participated
1	12-09-2022	1day	Seminar on entry pass for semiconductor industries	Pine training academy	208
2	15-10-2022	1-DAY	Guest lecture on Principals of computer networks	G.Ratnakar, Cap Gemini	51
3	22-10-2022	1-DAY	Guest lecture on Electronic Devices and Circuits	V.Bhaskarreddy, HAL	45
4	16-11-2022	One day	workshop on "IoT Based Real Time Applications Using Raspberry Pi"	SRIMUDRA Techno Pvt Ltd	84
5	18-03-2023	1-DAY	Guest lecture on Tele communication Switching System Networks	G.Muralidhar ,BSNL	48
6	25-03-2023	1-DAY	Guest lecture on Analog and Digital Communications	A.Ramesh Kumar, AAI	50
7	09-05-2023 to 11-05-2023	3days	Workshop on Machine Learning	ACE Engineering college	50

Academic Year 2021-2022

S. No	Date	Program Duration	Title of the Program	Industry Collaboration	No.of students participated
1	3-07-2021	1day	Workshop on NodeMCU	NAWAB SHAH ALAM KHAN college of engg with GNITS	15
2	18-09-2021	1-DAY	Guest lecture on Very Large Scale Integration	G.Ratnakar, Cap Gemini	48

3	30-10-2021	1-DAY	Guest lecture on Electronic Devices and Circuits	V.Bhaskarareddy, HAL	47
4	06-11-2021	1-DAY	Guest lecture on Signals and Systems	G.Muralidhar, BSNL	48
5	05-03-2022	1-DAY	Guest lecture on Digital Signal Processing	A.Ramesh Kumar, AAI	52
6	21-03-2022	1day	Seminar on IOT and robotics	GNITS	173
7	26-03-2022	1-DAY	Guest lecture on Micro Processors and Micro Controllers	P.V.Shivakumar, Synchron technology	50

D. Impact analysis of industry institute interaction and actions taken thereof (2)

Industry institute interaction is effected through

- i. Guest lectures by industry experts
- ii. Membership of industry experts in Institute Governing body
- iii. Membership of industry experts in Department Advisory committee
- iv. Industrial visits by students
- v. Student Project works with the support of industry experts, Workshops /seminars /guest lecturers make the students gain knowledge on latest technologies and tools and their practices.
- vi. Industry built Labs with modern methodologies provides a practical environment to implement creativity in project work

Impact analysis:

- Organizing Workshops, conferences and symposia with joint participation of the faculty and the industries with students.
- Encouraging Engineers from industry to visit the college to deliver lectures
- Arranging visits of staff members & students to various industry
- Professional consultancy by the faculty to industries.
- Industrial testing by faculty & students at site or in laboratory
- Awareness towards industry environment.

Memoranda of Understanding (MoUs) serve as invaluable tools for fostering collaboration and synergy between institutes and industries. These agreements outline shared goals, commitments, and areas of cooperation, facilitating the exchange of knowledge, resources, and expertise. Through MoUs, institutes and industries can formalize their partnership, establish mutual trust, and work together more effectively towards common objectives.

MOUs was done with industries to emphasize on:

- Internships
- Project Works for Students
- Industrial Visits
- Students specific training
- Training Programs for students.

Table B.2.2.4 .g. Shows the list of MoUs and its outcomes.

S.No.	MoU	Description	Outcome
-------	-----	-------------	---------

1	Srimudra Techno Pvt. Ltd.	It is manufacturing Electronic Control Panels using Embedded Systems. It provides fire protection, Detection and Alarm systems for Industries, Infrastructure and IT companies. It also provides technical skill up gradation programs to the Corporate, Industry and Institutions.	To enrich knowledge on upcoming technical research area of Embedded Systems and IoT and to do research and project works related to IoT and it will also help the students to participate in Hackathons.
2	M/s BrighTex Bio-Photonics Pvt.Ltd.	Set up a joint AI lab to provide a platform for exploiting state of art technology, technical training, providing facilities for the development of products and solutions	Bridging Curriculum Gap
3	M/s Gokaraju Rangaraju Institute of Engineering and Technology	Joint Organization of FDPs/Conference/ Hackathons/Workshops/ Training Programs and Student events	Students are empowered to participate in Hackathon
4	Omnytrix Integrated Solutions	Omnytrix Integrated Solutions consist of various verticals. Regardless of service, everything is linked to education and required research to provide solution.	1. train the faculty and students in Embedded Systems and IoT. 2.help in setting up the Center of Excellence for Embedded Systems and IoT
5	APPLE	Centre of Excellence was inaugurated by Mr.Tim Cook, CEO, Apple on 28-04-16	Practical knowledge on MAC IOS and related future apps
6	Infosys Campus Connect	Signed on MOU with Infosys Campus Connect in 2016 with aim of creating project bank for final year students, providing soft skills training	Industry Interaction Online Training for Students, Industry Visits, Placements
7	S&S lab equipments	The mission is to contribute to the Educational needs of Engineering colleges and to society in general by distinguishing itself as a prominent and well established company thru customer satisfaction.	Train the faculty and students in Embedded Systems, IoT and Communications
8	Embedded RF Technologies	Conduct customized training programs, workshops, industrial visits.	To inculcate Industry readiness in students

2.2.5 Initiatives related to industry internship/summer training (10)

Institute Marks : 10.00

(a) Industrial training/tours for students (2)

Industrial Training:

Students complete Industry training or Internships in their areas of interest during the Semester or at the end of the Semesters. ETE department also organizes Training Programs relevant to new Industry Trends and Job Roles. External Trainers from well-known Industries train students on the latest technological developments.

- The Internships are arranged collaboratively by the industrial internship coordinator of the department with the industry associates and student volunteers.
- A copy of the confirmation letter for training is submitted to the Industrial Internship coordinator. ETE department organizes Industrial Training/ visit for students to expose them to practical environment and state-of-the-art technologies followed in industries. Students get first-hand understanding of how industries operate, enabling them to visualize and grasp concepts discussed in classrooms. They can see the actual implementation of theories and concepts in an industrial setting providing context and relevance to academic learning. Visits to industrial facilities help students understand the industry standards, regulations, and best practices, contributing to a well-rounded education. Exposure to various industries during visits can help students explore different career paths and make informed decisions about their future professions.

Industrial Visits:

Every year, ETE Department Organises Industry Visits either in even or odd semesters. The details of Industrial Visits are listed in Tables B.2.2.5.a&B.2.2.5 b and some pictures of Industrial visits are shown in are figures B.2.2.5.a and B.2.2.5.b

Table B.2.2.5.a: List of Industrial visits for the Academic Year 2022-2023

S.No	Name of the Company	Year	Date	No. of Students participated
1	AHUJA ENGINEERING SERVICES PVT LTD	III	22-03-2023	40
2	ACT AAI SHAMSHABAD	III&IV	18-03-2023 27-03-2023	43 53
3	NRSC-Jeedimetla	III	29-03-2023	106

Table B.2.2.5.b: List of Industrial visits for the Academic Year 2021-2022

S.No	Name of the Company	Year	Date	No. of Students participated
1	Kwality Photonics Pvt.ltd	II,III,IV	05-01-2022 06-01-2022	100 105

Figures B.2.2.5.a & B. 2.2.5.b show the pictures of the Industrial Visits



Figure B.2.2.5.a: Industrial Visit to NRSC-Jeedimetla

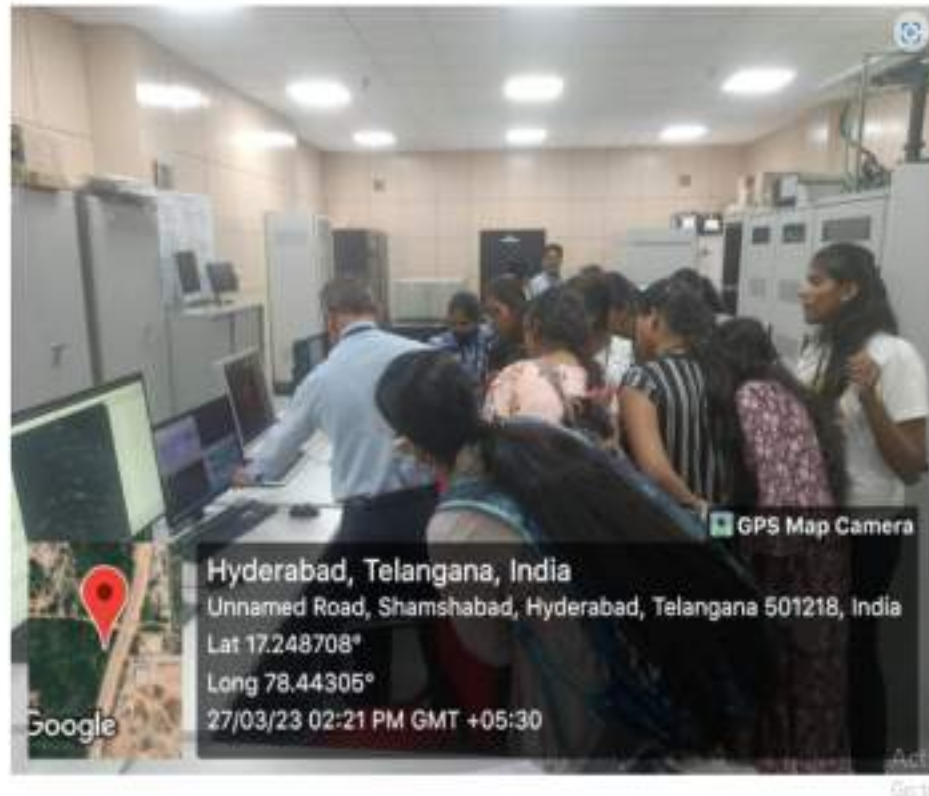


Figure B.2.2.5.b: Industrial Visit to ATC AAI- Shamshabad

Internship Initiated by the Company or TPO

- The Industry requests the Training and Placement Office (TPO) for Interns or Vice-versa.
- Request would be circulated in student groups, if the students meet the requirement criteria of the company, they are allowed to apply through (TPO).
- If students qualify in recruitment process (Screening test, exam etc...) they get an offer letters. (Recruitment process varies for each Industry)

Internship Initiated by the Student

- Students approach an industry if there are any requirements for interns and inform the same to the HoD.
- HoD writes a request letter to the Industry.
- Industry completes the recruitment process
- Students receive an acceptance letter from the Industry.

Figure B.2.2.5.c shows the request letter from the HoD to the Industry & Figure B.2.2.5.d shows the offer Letter from Industry and Figure B.2.2.5.e shows the Internship Offer Letter from Industry via TPO.

G. NARAYANAMMA INSTITUTE OF TECHNOLOGY & SCIENCE
(AUTONOMOUS)
(For Women)

Established by G. Palla Reddy Charities Trust, Hyderabad
Approved by NBA & NAAC, Approved by AICTE & Affiliated to JNTU
An ISO 9001 : 2015 Certified Institution




To
The HR,
MCA Digital,
MFC Hyderabad

Hyderabad,
04/12/2024

Sub: Request for engineering students of 4th Year (Electronics & Telecommunication) - Reg..

Respected Sir,

Our student PPA (Electronics and Telecommunication) branch in the year 2009. Telematics is the integration of conventional communication with computer communication.

In addition to the conventional Electronics and Communication subjects, the following subjects are mandatory offered for PPA branch.

1. Computer Networks	5. ATM (Asynchronous Transfer Mode)
2. Network Security	6. Embedded Systems
3. Internet of Things	7. Telecommunication Switching and Systems Lab.
4. Telecommunication Switching Systems and Networks	

After obtaining the theoretical knowledge in the college, the industrial practical training will be of great use for engineering students. We request you to provide the industrial practical training in the following areas for the student.

1. Signal processing	2. Network Security
2. Analog IC	3. Internet of Things
3. Java	4. Embedded Systems
4. Computer Networks	

Sr.No Roll No Students Name

1 28252A1758 TRISHA SAIKUMAR

We will be grateful if an opportunity for practical guidance is given in your esteemed organization for our 1st student.

Thanking You,

Yours Sincerely,
K. R. S. MOOG
Dr. K.Rama Linga Reddy,
HOD,ETEC

G. N. I. P.O. Box 1, Madhupeta, Hyderabad - 500 104, Telangana
Ph: 088-2336-2618 / 3146-8649 Email: principal@gnit.ac.in Website: www.gnit.ac.in

Figure B.2.2.5.c: Recommendation letter from HoD

**GE Digital
Meridium Services & Labs Pvt. Ltd**

3rd Feb 2022

**Sai Neha Thota,
India.**

Sai Neha Thota,

Congratulations!

You have been selected as "Digital Technology Intern" with the **Meridium Services & Labs Pvt. Ltd** ("GE Digital"). Your assignment will begin from **28th Feb 2022** and ends on **8th July 2022**.

Subject to the compliance with terms enclosed herewith as Annexure 1, during the above period you will be paid a stipend amount of **Rs. 40,000 /- (Rupees Forty Thousand only) per month**. This offer is subject to your joining us on the mentioned date and time. Annexure 2 and 3 provide helpful information. You hereby consent that your engagement will be terminated with an immediate effect if the Compliance terms and conditions stated in Annexure 1 are not complied.

Please note that this offer letter constitutes neither an offer of employment nor commitment to offer employment with the Company to you in the future.

This offer is valid until 7 days from the date of this letter. Look forward to your acceptance.

Meridium Services & Labs Pvt. Ltd

**K Manjula Nair
Talent Acquisition Director - India**

Enclosure:

**Annexure 1 - Compliance Terms and Conditions
Annexure 2 - Reporting Time /Joining Formalities/Facilities
Annexure 3 - Travel Reimbursement and Contact Numbers for Accommodation**

-GE CONFIDENTIAL-

Figure B.2.2.5.d: Offer Letter from Industry



Figure B.2.2.5.c: Internship letter via TPO

Table B..2.2.5.c: Industrial Internship (2023-24)

S. No	Name of the Student	Roll No	Name of the Company	Duration	Package if Paid
1	B.Lalitha	20251A1703	APTIV COMPONENTS India PVT Ltd	15/01/24 to 28/06/24(6months)	Rs 25,000 per month
2	K. Akshaya Krupa	20251A1707	APTIV COMPONENTS India PVT Ltd	15/01/24 to 28/06/24(6months)	Rs 25,000 per month
3	Mandava pujitha	20151A1709	Acuitas360	19/02/24 to 31/05/24 (4 months)	Rs 15,000 per month
4	Mucharla Akhila	20251A1712	acmegrade	10 /05/ 22 to 10/07/ 22 (2 months)	No Stipend
5	Nigama Srivatsava	20251A1714	Salesforce	5/02/24 to 02/06/24 (6months)	Rs 30,000 per month
6	Aakanksha Gaikwad	20251A1730	Salesforce	5/02/24 to 02/06/24 (6months)	Rs 30,000 per month
7	P.Sanjana Reddy	20251A1716	Salesforce	5/02/24 to 02/06/24 (6months)	Rs 30,000 per month

8	Sandhya Lakshmi	20251A1723	Swan Environmental PVT.Ltd.	23/01/21 to 23/04/ 24 (3 months)	Rs 12,000 per month
9	Thatipalli Sowmya	20241A1724	Stellantis	26/02/24 to 19/07/ 24 (6 months)	No Stipend
10	Arshiya	20251A1733	Tech Learn.Live	24/01/22 to 24/02/22 (1 month)	No Stipend
11	Shreya konderi	20251A1752	Infosys	4/03/24to 4/07/ 24 (6months)	Rs 25,000 per month

Table B.2.2.5.d: Industrial Internship (2022-23)

S. No	Name of the Student	Roll No	Name of the Company	Duration	Package if Paid
1	A Anusha Reddy	19251A1701	JP Morgan Chase& Co.	6/2/2023 to 30/05/2023 (90 days)	Rs 20,000 per month
2	Adiraju Lalitha	19251A1704	Mindtree	90 days	Rs 25,000 per month
3	Dupakuntla Ruchitha	19251A1717	Mind tree	90 days	Rs 25,000 per month
4	Sai Anusha Dokka	19251A1718	JP Morgan Chase& Co.	6/2/2023 to 30/05/2023 (90 days)	Rs 20,000 per month
5	Greeshma Reddy	19251A1710	Deloitte	9/1/2023 to 28/4/2023 4 months	Rs 25,000 per month
6	G Meghna	19251A1723	Torry Harris	2/1/2023 to 5/1/2023 (90 days)	Rs 20,000 per month
7	Kaveri Gorla	19251A1726	Deloitte	20/2/2023 to 28/4/2023	Rs 25,000 per month
8	K Sridevi	19251A1736	Cognizant	120days	No Stipend
9	Veena Madagundi	19251A1741	Cognizant	120days	No Stipend
10	Maddi Shirisha	19251A1742	Cognizant	120days	No Stipend
11	Mittapally Sripujitha	19251A1744	MarutDronetech private limited	14/11/2022 to 14/08/2023 (1 Year)	Rs 8,000 per month

12	Abhigna Nadupalli	19251A1746	JP Morgan Chase & Co.	6/2/2023 to 31/05/2023 (114 days)	Rs 20,000 per month
13	Noora Raalah	19251A1747	International Institute of Science and Technology	5/5/2022 to 5/5/2023 1 year	No Stipend
14	Sheela Sangeetha	19251A1753	Mindtree	3 months	Rs 25,000 per month
15	T Charitha	19251A1756	Mindtree	3 months	Rs 25,000 per month
16	Vulpala Tulasi	20255A1705	Freyr Energy Services pvt.ltd	3/4/2023	Rs 15,000 per month

Table B.2.2.5.e: Industrial Internship (2021-22)

S. No	Name of the Student	Roll No	Name of the Company	Duration	Package if Paid
1	Fareeha Hameed	18251A1707	Deloitte	10/01/2022 to 29/04/2022	Stipend Rs. 25,000/-
2	KondreddySindhuj	18251A1714	Medtronic Engineering & Innovation Center Pvt. Ltd.	28/02/2022 to 3/06/2022	Stipend Rs. 40,000/-
3	KuppiliBhavya	18251A1715	Deloitte	2/03/2022 to 1/07/2022	Stipend Rs. 25,000/-
4	KeerthanaRudravaram	18251A1723	Persistent Systems Ltd	6 months	Stipend Rs. 10,000/-
5	S. Pragnyasree	18251A1724	State Street	10/01/2022 to 27/06/2022	No Stipend
6	SushmithaMudadla	18251A1729	Wipro	10/03/2022 to 30/05/2022	No Stipend
7	NamrathaChennuri	18251A1735	Persistent Systems	6 months	Stipend Rs. 10,000/-
8	VinushaGarlapati	18251A1738	Telstra	3 months 28/02/2022 to 27/07/2022	Stipend Rs. 25,000/-
9	Bhuvaneshwari Reddy Kallem	18251A1741	Ford Motors	3 months	No Stipend
10	Inala Sai Pranavi	18251A1743	Cognizant	3 months	Stipend Rs. 12,000/-

11	ApoorvaSruthiMacherla	18251A1746	Colruyt	7/03/2022 to 7/05/2022	No Stipend
12	N Roshitha	18251A1748	CGI	2 months	No Stipend
13	ThumulaMadhuChandana	18251A1753	State street	10/01/2022 to 27/06/2022	No Stipend
14	Joshnasandra	18251A1754	CINTAP	2 months	No Stipend
15	T.A.S.S.Manvita	18251A1757	Deloitte	10/01/2022 to 29/04/2022	Stipend Rs. 25,000
16	Thota Sai Neha	18251A1758	Meridium Services & Labs Pvt. Ltd	28/02/2022 to 8/07/2022	Stipend Rs. 40,000/-
17	Kumudinigandhesiri	19255A1704	Colruyt	2 months	No Stipend
18	ThurpuBhavani	19255A1706	CGI	3 months	No Stipend
19	Sheela Sangeetha	19251A1753	Programming, Accenture	3/08/2022	No Stipend
20	MandavaPujitha	20251A1709	acmegrade	10/05/2022 to 10/07/2022	No Stipend
21	MucharlaAkhila	20251A1712	acmegrade	10/05/2022 to 10/07/2022	No Stipend
22	ThatipalliSowmya	20251A1724	acmegrade	10/05/2022 to 10/07/2022	No Stipend
23	Greeshma	19251A1719	BrainOVision Solutions Pvt.Ltd.	28/03/2022 to 30/04/2022	No Stipend
24	Arshiya	20251A1733	Techlearn	24/01/2022 to 24/02/2022	No Stipend
25	Gajula Sai Sri	19251A1724	Internship Studio	5/01/2022 to 9/02/2022	No Stipend
26	D.Aashritha	19251A1720	Internship, Shape AI	1/6/2021 to 30/08/2021	No Stipend

Table B.2.2.5.f: List of Industrial Internships (2020-21)

S.No	Name of the student	Roll No	Name of the company	Duration
1	M.Swathi	17251A1727	Smart bridge , Hyderabad	03-06-2019 to 28-06-2019

2	Fareeha Hameed	18251A1707	Internshalla, IIT Delhi	24-01-2019
3	GajawadaPrathyusha	17251A1707	Robosync, Hyderabad	27-05-2019 to 11-06-2019
4	KruthikaKanduri	17251A1715	Smart bridge , Hyderabad	28-06-2019 to 29-06-2019
5	Sravya Patnaik	17251A1755	BSNL, Vijayawada	03-06-2019 to 29-06-2019
6	V.Nikitha	17251A1729	DRDO, Hyderabad	17-06-2019 to 12-07-2019
7	D.Sravani	17251A1705	DRDO, Hyderabad	17-06-2019 to 12-07-2019
8	D.Rachitha	17251A1734	DRDO, Hyderabad	17-06-2019 to 12-07-2019
9	K.Nagasree	17251A1716	DRDO, Hyderabad	17-06-2019 to 12-07-2019
10	ShaikKarishma	17251A1752	Hyderabad city police, Hyderabad	30-09-2019 to 05-10-2019

(c) Impact analysis of industrial training (2)

Industrial visits play a crucial role in increasing networking opportunities while building good relationships with companies. For students, such trips open many doors for corporate training and internships, which in turn increase the students employability.

Industrial internships help students to enhance their interpersonal, communication skills, and teamwork abilities. These internships have proved to be an excellent platform for networking as the students interact and connect with the corporates. Industrial Internships help the students to get practical exposure and will help them to get a job in their interested domain.

After the Internship, Industry may offer full time job (based on student's performance) .Figure B.2.2.5.f shows the sample copy of offer letter from the industry after the internship. Table 2.2.5.g shows the impact of industrial training and Tables B.2.2.5.h,B.2.2.5.i,B.2.2.5.j shows the list of students got placed after the industrial training/internships.

Table B.2.2.5.g:Impact of Industrial internships on placements

S.NO	Academic Year	No.of students completed internships	No of students placed After internships
1	2022-23	16	15
2	2021-22	26	16
3	2020-21	9	7



**Deloitte & Touche Assurance and Enterprise Risk
Services India Private Limited**
Deloitte Tower, Survey No. 41, Gachibowli Village,
Ranga Reddy District, Hyderabad - 500032, Telangana,
India

Tel: +91 040 67621000
www.deloitte.com

Jun 26, 2022

Ms. Fareeha Hameed
13-6-437/1/B,
Hyderabad, 500008
India

Subject: Offer of Employment

Dear Fareeha Hameed:

On behalf of **Deloitte & Touche Assurance and Enterprise Risk Services India Private Limited** (the "Employer" or "Company"), I am pleased to confirm our offer of employment to you as **Analyst** based in **Hyderabad**.

We extend this offer, and the opportunity it represents, with great confidence in your abilities. You have made a very favorable impression with everyone you met and we are excited with the prospect of you joining our organization on **August 1, 2022**.

Your immediate manager will communicate details of your role and work responsibilities in the initial weeks of your joining the Employer. During your employment, the Company may require you to work on any project that you are assigned to, on any technical platforms/skills and nature of the project, in differentiated work timing, at designated work space and location as may be decided by the company.

As part of your annual compensation, you will receive a Total Salary of **Rs./₹ 600,000/-** and, will be eligible for a performance linked variable bonus. At your level, the variable bonus opportunity could range from **0-10%** of your Total Salary. The actual paid amount could vary depending upon the business and individual performance each fiscal year and, in some situations, could exceed the payout range indicated. Any amounts paid will be subject to statutory and other deductions as per Employer policies and practices. The details of your compensation breakdown are provided in the attached Annexure A.

As an incentive to join the Company, you are eligible to receive a joining bonus of **Rs./₹ 100,000/-** subject to your reporting for full-time employment on **August 1, 2022**. This amount will attract applicable taxes and will be processed as part of your first month's payroll. You will have an obligation to repay the entire amount of your joining bonus if you resign your position or are terminated for cause by the Company within **12 months** of your start date.

You may also receive additional benefits, including and not limited to, in cash and/or in kind and/or as reimbursement, which could be referred as rewards, awards and gifts, which are generally accorded to the employees of the Employer, subject to the applicable taxes, policies and practices of the Employer.

Your employment with us will be governed by the Terms and Conditions as detailed in **Annexure B**, as well as any and all rules, regulations, guidelines, policies and practices of the Employer, which may be amended from time to time. Deloitte LLP and its U.S.-based subsidiaries (the "Deloitte U.S. Firms") require their employees to make the necessary representations regarding independence and other matters. Because the Employer is an Indian subsidiary of Deloitte LLP, we must also comply with these independence requirements. Accordingly, this offer is conditional upon you agreeing to make such representations under the Employer's Independence Representations requirements, as further explained in **Annexure B**.

Your compensation details are confidential, and you may discuss it only with the undersigned in case of any clarification. It is our hope that your acceptance of our offer will be just the beginning of a mutually beneficial relationship with our organization. We would like you to join the Employer on **August 1, 2022**, or an alternative mutually agreed upon date.

Figure B.2.2.5.f: Offer Letter after Internship

Table B.2.2.5.h List of students got placed after internship in Ay:2022-23

S. No	Name of the Student	Roll No	Name of the Company
1	A Anusha Reddy	19251A701	JP Morgan Chase & Co.
2	Adiraju Lalitha	19251A1704	Mindtree
3	Dupakuntla Ruchitha	19251A1717	Mind tree
4	Sai Anusha Dokka	19251A1718	JP Morgan Chase & Co.
5	Greeshma Reddy	19251A1710	Deloitte
6	G Meghna	19251A1723	Torry Harris
7	Kaveri Gorla	19251A1726	Deloitte
8	K Sridevi	19251A1736	Cognizant
9	Veena Madagundi	19251A1741	Cognizant
10	Maddi Shirisha	19251A1742	Cognizant
11	Mittapally Sripujitha	19251A1744	Marut Dronetech private limited
12	Abhigna Nadupalli	19251A1746	JP Morgan Chase & Co.
13	Sheela Sangeetha	19251A1753	Mindtree
14	T Charitha	19251A1756	Mindtree

15	Vulpala Tulasi	20255A1705	Freyr Energy Services pvt.ltd
----	----------------	------------	-------------------------------

Table B. 2.2.5.i: List of students got placed after internship in Ay:2021-22

S.No.	Name of the Student	Roll No	Name of the Company
1	Fareeha Hameed	18251A1707	Deloitte
2	Kondreddy Sindhuja	18251A1714	Medtronic Engineering & Innovation Center Pvt. Ltd.
3	Kuppili Bhavya	18251A1715	Deloitte
4	Keerthana Rudravaram	18251A1723	Persistent Systems Ltd
5	S. Pragnyasree	18251A1724	State Street
6	Sushmitha Mudadla	18251A1729	Wipro
7	Namratha Chennuri	18251A1735	Persistent Systems
8	Vinusha Garlapati	18251A1738	Telstra
9	Bhuvaneshwari Reddy Kallem	18251A1741	Ford Motors
10	Inala Sai Pranavi	18251A1743	Cognizant
11	Apoorva Sruthi Macherla	18251A1746	Colruyt
12	N Roshitha	18251A1748	CGI
13	Thumula Madhu Chandana	18251A1753	State street
14	Kumudinigandhesiri	19255A1704	Colruyt
15	Thurpu Bhavani	19255A1706	CGI

16	Sheela Sangeetha	19251A1753	Programming, Accenture
----	------------------	------------	---------------------------

Table B.2.2.5.j List of students got placed after internship in Ay: 2020-21

S.No.	Roll No.	Name of the Student	Organization Placed in
1	17251A1705	Sravani Donthi	Accenture
2	17251A1707	Gajawada Prathyusha	Accenture
3	17251A1715	Kruthika Kanduri	Accenture
4	17251A1719	M. Sreya	Infosys
5	17251A1727	Swathi Mengji	Deloitte
6	17251A1729	Valike Nikitha	Capgemini
7	17251A1734	D. Rachitha	Accenture

(d) Student feedback on initiative (3)

The feedback from the students who have visited the industries for internship/ training is collected and analyzed for further improvement in conducting such activities. The feedback collected helps the department to take necessary measures to improve and increase such activities that benefits the successive student batches. The feedback is collected from the students after successful completion of their internship.

The following are the Views / suggestions given by Outgoing final year students of 2019 Batch:

1. GNITS provides the best placement training and gives best placements and internships.
2. Advanced technologies can be more encouraged in real time projects.
3. More Hands-on sessions can be introduced, that would help in cracking coding contests.

The following are the Views / suggestions given by Outgoing final year students of 2018 batch:

Figure B.2.2.25.g shown the sample copy of feedback form for internship and figure B.2.2.5.h shown the filled feedback form for internship.

1. Our college is giving good placement trainings required for internships and placements for students.
2. More practical oriented lab subjects can be introduced that helps in future.
3. Research related projects can be encouraged in wide range of areas.

The following are the Views / suggestions given by Outgoing final year students of 2017 batch:

1. GNITS is providing good placements by providing the required pre-placement training.
2. More industry oriented hands-on training is required.

Figure B.2.2.5.g & B.2.2.5.h shows the sample copy feedback form for internship and filled feedback form.



G. Narayana Murthy Institute of Technology & Science, (for Women)

Autonomous

Shankar, Hyderabad - 501314

Electronic and Teleomatic Engineering Department

Student feedback on Internship

I. Personal Information:

Student Name:

Roll Number:

Department:

II. Internship Details:

Company/Organization Name:

Position/Role:

Duration of Internship:

III. Evaluation:

a) The internship provided me with valuable practical experience related to my field of study.

- a) Strongly Agree
- b) Agree
- c) Neutral
- d) Disagree

b) I received sufficient guidance and support from my supervisor or mentor throughout the internship.

- a) Strongly Agree
- b) Agree
- c) Neutral
- d) Disagree

c) The tasks and projects assigned during the internship were relevant and contributed to my professional development.

- a) Strongly Agree
- b) Agree
- c) Neutral
- d) Disagree

d) The internship helped me gain a better understanding of the industry or career path I am interested in pursuing.

- a) Strongly Agree
- b) Agree
- c) Neutral
- d) Disagree

e) I had opportunities to apply the knowledge and skills learned in my academic coursework during the internship.

- a) Strongly Agree
- b) Agree
- c) Neutral
- d) Disagree

IV. Overall Experience:

- a) Strongly Agree
- b) Agree
- c) Neutral
- d) Disagree

Signature of the student

Figure B.2.2.5.g: Sample copy feedback form for internship



G.Narasimma Institute of Technology & Science,
Autonomous (for Women)
Shilpi, Hyderabad - 500104
Electronics and Telecommunication Engineering Department
Student feedback on Internship

1. Personal Information:
 Student Name: Fareeha Hameed
 Roll Number: 18251A1107
 Department: Electronics and Telecommunication Engineering

2. Internship Details:
 Company/Organization Name: Debitte US
 Position (Role): Technology Intern
 Duration of Internship: 4 months

3. Evaluation:

a) The internship provided me with valuable practical experience related to my field of study:
 a) Strongly Agree
 b) Agree
 c) Neutral
 d) Disagree

b) I received sufficient guidance and support from my supervisor or mentor throughout the internship:
 a) Strongly Agree
 b) Agree
 c) Neutral
 d) Disagree

c) The tasks and projects assigned during the internship were relevant and contributed to my professional development:
 a) Strongly Agree
 b) Agree
 c) Neutral
 d) Disagree

d) The internship helped me gain a better understanding of the industry or career path I am interested in pursuing:
 a) Strongly Agree
 b) Agree
 c) Neutral
 d) Disagree

e) I had opportunities to apply the knowledge and skills learned in my academic coursework during the internship:
 a) Strongly Agree
 b) Agree
 c) Neutral
 d) Disagree

4. Overall Experience:
 a) Strongly Agree
 b) Agree
 c) Neutral
 d) Disagree

Fareeha Hameed
Signature of the student

Figure B.2.2.5.h: Sample copy of filled feedback form for internship

3 COURSE OUTCOMES AND PROGRAM OUTCOMES (175)		Total Marks 175.00
Define the Program specific outcomes		

PSO1	Graduates will be able to analyze and design telecommunication networks with applicable consideration.	
PSO2	Graduates will gain technical knowledge with necessary aptitude and soft skills to work in the ICT industry.	
3.1 Establish the correlation between the courses and the Program Outcomes (POs) & Program Specific Outcomes (25)		Total Marks 25.00

No. of Core Courses : 6	C2 : 2	C3 : 2	C4 : 2
-------------------------	--------	--------	--------

Note : Number of Outcomes for a Course is expected to be around 6.

Course Name :	C2 03	Course Year :	2020-2021
Course Name	Statements		
C2 03.1	Illustrate the fundamental behavior of various diodes and transistor.		
C2 03.2	Examine the constructions, operation and characteristics of diodes ,BJT,JFET and MOSFET		
C2 03.3	Analyze the various amplifier circuits using small signal hybrid model.		
C2 03.4	Identify various biasing techniques.		
C2 03.5	Distinguish between positive and negative feedback circuits.		
C2 03.6	Apply the knowledge of the diodes in designing circuits like rectifiers.		
Course Name :	C2 12	Course Year :	2020-2021
Course Name	Statements		
C2 12.1	Analyze Different modulation and demodulation schemes for analog & digital communications.		
C2 12.2	Evaluate fundamental communication system parameters such as Bandwidth, Power, Signal to quantization noise ratio and Figure of merit.		
C2 12.3	Design Analog & Digital communication systems to meet desired needs.		
C2 12.4	Elucidate the design tradeoffs and performance of Analog and Digital communication systems.		
C2 12.5	Calculate error rate, Spectral efficiency of Digital Modulation techniques.		
C2 12.6	Analyze the concept of source coding and channel coding techniques.		
Course Name :	C3 03	Course Year :	2021-2022
Course Name	Statements		
C3 03.1	Apply coordinate geometry, vector and vector calculus to find the electric field, magnetic field and combined field.		
C3 03.2	Explain the electrostatic, magneto statics and time varying fields & laws which helps in formulating Maxwell's equation.		
C3 03.3	To find the E & H at the boundary of different mediums.		
C3 03.4	Analyze EM wave propagation through different mediums and determine the losses due reflection and refraction EM waves through these medium.		
C3 03.5	To find the transmitted power at any radial distance using Pointing vector.		
C3 03.6	Describe the fundamentals of transmission line and obtain its parameters using transmission line equations.		
Course Name :	C3 14	Course Year :	2021-2022

Course Name	Statements
C3 14.1	Acquire knowledge about Telecommunication Switching Systems, BISDN, ATM, VOLTE and IMS.
C3 14.2	Understand different Telecommunication switching and signaling methodologies, BISDN, ATM, VOLTE and IMS.
C3 14.3	Apply the concepts to solve the real time telecommunication problems.
C3 14.4	Analyze the fundamental telecommunication traffic models.
C3 14.5	Evaluate telecommunication switching systems.
C3 14.6	Design a telecommunication switching network.

Course Name :	C4 02	Course Year :	2022-2023
---------------	-------	---------------	-----------

Course Name	Statements
C4 02.1	Design appropriate mobile cellular communication systems.
C4 02.2	Apply frequency-reuse concept in mobile communications.
C4 02.3	Analyze path loss, interference in wireless communication systems.
C4 02.4	Comprehend the concepts on fading, diversity and equalization.
C4 02.5	Design wireless communication system over multipath fading environment.
C4 02.6	Distinguish various multiple access techniques of mobile communications

Course Name :	C4 14	Course Year :	2022-2023
---------------	-------	---------------	-----------

Course Name	Statements
C4 14.1	Explain the working principle of a pulse radar and establish the complete radar range equation, identifying the significance and choice of all parameters involved and solve numerical problems to establish the radar characteristics.
C4 14.2	Account for the need and functioning of CW, FM-CW and MTI radars. Identifying the complete block diagrams and establishing their characteristics.
C4 14.3	Illustrate the DLC characteristics, account for the range gated Dopplerfilter bank and estimate the MTI radar performance characteristics and limitations.
C4 14.4	Distinguish between Sequential Lobbing, Conical Scan, Mono-pulse type of Tracking Radars, specify their requirements and compare their characteristic features.
C4 14.5	Derive the matched filter response characteristics for radar applications and account for correlation receivers, to distinguish between different radar displays and duplexers.
C4 14.6	Account for the electronic scanning principle, and implement the same through phased array antennas, knowing their requirements and utilities.

Course Articulation Matrix

1 . course name : C203

Course	Statements	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C203.1	Illustrate th	3 ▾	3 ▾	2 ▾	2 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	1 ▾
C203.2	Examine th	3 ▾	3 ▾	2 ▾	2 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	1 ▾
C203.3	Analyze the	3 ▾	2 ▾	2 ▾	2 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	1 ▾
C203.4	Identify vari	3 ▾	2 ▾	2 ▾	2 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	1 ▾
C203.5	Distinguish	3 ▾	2 ▾	2 ▾	2 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	1 ▾
C203.6	Apply the k	3 ▾	3 ▾	2 ▾	2 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	1 ▾
Average		3.00	3.00	2.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00

2 . course name : C212

Course	Statements	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C212.1	Analyze Dif	3 ▾	2 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	2 ▾
C212.2	Evaluate fu	3 ▾	2 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	2 ▾
C212.3	Design Ana	2 ▾	2 ▾	3 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	2 ▾
C212.4	Elucidate th	3 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	3 ▾
C212.5	Calculate e	3 ▾	3 ▾	- ▾	- ▾	2 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	1 ▾	3 ▾
C212.6	Analyze the	3 ▾	3 ▾	3 ▾	3 ▾	2 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	3 ▾
Average		3.00	2.00	3.00	3.00	2.00	0.00	0.00	0.00	0.00	0.00	1.00	3.00

3 . course name : C303

Course	Statements	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C303.1	Apply coord	3 ▾	3 ▾	3 ▾	2 ▾	1 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	2 ▾
C303.2	Explain the	3 ▾	3 ▾	3 ▾	2 ▾	1 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	1 ▾
C303.3	To find the l	3 ▾	3 ▾	3 ▾	2 ▾	1 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	2 ▾
C303.4	Analyze EM	3 ▾	3 ▾	3 ▾	3 ▾	1 ▾	- ▾	2 ▾	- ▾	- ▾	- ▾	- ▾	1 ▾
C303.5	To find the l	3 ▾	3 ▾	3 ▾	3 ▾	1 ▾	- ▾	2 ▾	- ▾	- ▾	- ▾	- ▾	2 ▾
C303.6	Describe th	3 ▾	3 ▾	1 ▾	2 ▾	1 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	1 ▾
Average		3.00	3.00	3.00	2.00	1.00	0.00	2.00	0.00	0.00	0.00	0.00	2.00

4 . course name : C314

Course	Statements	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C314.1	Acquire kno	1 ▾	1 ▾	2 ▾	1 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	2 ▾
C314.2	Understand	2 ▾	2 ▾	2 ▾	2 ▾	2 ▾	2 ▾	2 ▾	- ▾	- ▾	- ▾	- ▾	2 ▾
C314.3	Apply the c	3 ▾	2 ▾	3 ▾	2 ▾	2 ▾	2 ▾	2 ▾	- ▾	- ▾	- ▾	- ▾	2 ▾
C314.4	Analyze the	3 ▾	3 ▾	3 ▾	2 ▾	2 ▾	2 ▾	2 ▾	- ▾	- ▾	- ▾	- ▾	2 ▾
C314.5	Evaluate te	3 ▾	3 ▾	3 ▾	2 ▾	2 ▾	2 ▾	2 ▾	- ▾	- ▾	- ▾	- ▾	2 ▾
C314.6	Design a te	3 ▾	3 ▾	3 ▾	2 ▾	2 ▾	2 ▾	2 ▾	- ▾	- ▾	- ▾	- ▾	2 ▾
Average		3.00	3.00	3.00	2.00	2.00	2.00	2.00	0.00	0.00	0.00	0.00	2.00

5 . course name : C402

Course	Statements	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C402.1	Design app	3 ▾	2 ▾	3 ▾	3 ▾	3 ▾	2 ▾	2 ▾	2 ▾	2 ▾	2 ▾	2 ▾	3 ▾
C402.2	Apply frequ	3 ▾	2 ▾	3 ▾	3 ▾	3 ▾	2 ▾	2 ▾	2 ▾	2 ▾	2 ▾	2 ▾	3 ▾
C402.3	Analyze pa	3 ▾	3 ▾	3 ▾	3 ▾	3 ▾	2 ▾	3 ▾	1 ▾	1 ▾	2 ▾	2 ▾	3 ▾
C402.4	Compreher	3 ▾	3 ▾	3 ▾	3 ▾	3 ▾	2 ▾	3 ▾	2 ▾	1 ▾	2 ▾	1 ▾	3 ▾
C402.5	Design wire	2 ▾	3 ▾	3 ▾	3 ▾	3 ▾	2 ▾	2 ▾	2 ▾	2 ▾	2 ▾	2 ▾	3 ▾
C402.6	Distinguish	3 ▾	2 ▾	3 ▾	3 ▾	3 ▾	2 ▾	3 ▾	1 ▾	2 ▾	2 ▾	2 ▾	3 ▾
Average		3.00	3.00	3.00	3.00	3.00	2.00	3.00	2.00	2.00	2.00	2.00	3.00

6 . course name : C414

Course	Statements	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C414.1	Explain the	3 ▾	2 ▾	3 ▾	2 ▾	2 ▾	- ▾	- ▾	- ▾	2 ▾	- ▾	3 ▾	- ▾
C414.2	Account for	2 ▾	2 ▾	2 ▾	3 ▾	2 ▾	2 ▾	- ▾	- ▾	3 ▾	- ▾	3 ▾	2 ▾
C414.3	Illustrate th	1 ▾	- ▾	3 ▾	3 ▾	2 ▾	2 ▾	- ▾	- ▾	3 ▾	- ▾	3 ▾	2 ▾
C414.4	Distinguish	- ▾	2 ▾	3 ▾	3 ▾	2 ▾	- ▾	- ▾	- ▾	- ▾	2 ▾	- ▾	- ▾
C414.5	Derive the r	2 ▾	- ▾	2 ▾	- ▾	- ▾	- ▾	- ▾	2 ▾	- ▾	2 ▾	- ▾	2 ▾
C414.6	Account for	2 ▾	2 ▾	3 ▾	3 ▾	- ▾	- ▾	2 ▾	2 ▾	- ▾	2 ▾	- ▾	- ▾
Average		2.00	2.00	3.00	3.00	2.00	2.00	2.00	2.00	3.00	2.00	3.00	2.00

1 . Course Name : C203

Course	PSO1	PSO2
C203.1	2 ▾	2 ▾
C203.2	2 ▾	2 ▾
C203.3	2 ▾	2 ▾
C203.4	2 ▾	2 ▾
C203.5	2 ▾	2 ▾
C203.6	2 ▾	2 ▾
Average	2.00	2.00

2 . Course Name : C212

Course	PSO1	PSO2
C212.1	2 ▾	3 ▾
C212.2	2 ▾	3 ▾
C212.3	2 ▾	3 ▾
C212.4	2 ▾	3 ▾
C212.5	2 ▾	3 ▾
C212.6	2 ▾	3 ▾
Average	2.00	3.00

3 . Course Name : C303

Course	PSO1	PSO2
C303.1	2 ▾	2 ▾
C303.2	2 ▾	2 ▾
C303.3	2 ▾	2 ▾
C303.4	3 ▾	1 ▾
C303.5	3 ▾	1 ▾
C303.6	2 ▾	2 ▾
Average	2.00	2.00

4 . Course Name : C314

Course	PSO1	PSO2
C314.1	3	2
C314.2	3	2
C314.3	3	2
C314.4	3	2
C314.5	3	2
C314.6	3	2
Average	3.00	2.00

5 . Course Name : C402

Course	PSO1	PSO2
C402.1	3	2
C402.2	3	2
C402.3	3	2
C402.4	3	2
C402.5	3	2
C402.6	3	2
Average	3.00	2.00

6 . Course Name : C414

Course	PSO1	PSO2
C414.1	2	-
C414.2	2	1
C414.3	2	1
C414.4	2	-
C414.5	2	-
C414.6	2	-
Average	2.00	1.00

Program Articulation Matrix

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C101	2	2	2	2	2	2	2	0	0	0	0	0
C102	1	2	3	0	0	0	0	0	0	0	0	0
C103	3	3	3	0	2	0	0	0	1	0	0	2
C104	2	1	2	2	2	2	2	0	0	2	2	2
C105	2	0	2	0	0	2	0	2	0	2	0	1
C106	2	2	2	2	2	2	2	3	3	2	1	3
C107	3	3	3	1	2	0	0	0	2	0	0	2
C108	2	2	2	2	3	2	2	0	0	0	0	2
C109	3	2	2	1	0	0	0	0	0	0	0	0
C110	0	0	0	0	0	3	3	2	3	3	0	3
C111	3	3	2	2	0	0	0	0	0	0	0	2
C112	3	2	2	2	2	1	0	0	0	0	0	0
C113	0	0	0	1	0	2	2	1	3	3	1	0
C114	3	3	2	2	0	0	0	0	0	0	0	2
C115	2	2	3	2	0	0	0	0	1	0	0	0
C201	3	2	0	0	0	0	0	0	0	0	0	0
C202	3	2	2	0	0	0	0	0	0	0	0	2
C203	3	3	2	2	0	0	0	0	0	0	0	1
C204	3	3	2	1	0	0	0	0	0	0	0	1
C205	3	2	3	3	3	2	2	1	2	2	2	2
C206	3	3	1	1	1	0	0	0	0	0	1	1
C207	2	2	2	1	3	0	0	0	3	2	1	2
C208	3	2	3	3	3	2	2	1	2	2	2	2
C209	3	2	2	1	2	0	0	0	0	0	1	1
C210	1	1	0	0	0	1	1	1	0	1	0	1
C211	3	3	2	2	0	0	0	0	0	0	0	1
C212	3	2	3	3	2	0	0	0	0	0	1	3
C213	3	3	2	1	1	0	0	0	0	0	1	2
C214	3	3	1	1	1	0	0	0	0	0	1	1
C215	3	3	3	0	2	0	0	0	0	0	0	3
C216	3	2	1	0	1	0	0	0	0	0	0	3

C301	3	3	3	0	2	0	0	0	0	0	0	3
C302	2	2	3	3	2	2	0	2	3	2	3	2
C303	3	3	3	2	1	0	2	0	0	0	0	2
C304	3	2	2	2	3	1	1	1	1	2	2	2
C305	3	2	2	1	0	0	2	0	0	0	0	1
C306	3	3	2	2	2	1	0	0	2	0	2	2
C307	2	2	3	2	2	0	0	0	2	0	0	0
C308	2	1	0	3	0	2	1	0	2	0	0	2
C309	2	2	3	3	2	2	0	2	3	2	3	2
C310	3	3	3	2	2	0	0	0	0	0	0	3
C311	0	1	0	0	0	0	0	1	2	2	0	1
C312	0	0	1	2	0	0	3	0	1	2	3	2
C313	3	3	2	2	3	2	2	2	2	2	1	3
C314	3	3	3	2	2	2	2	0	0	0	0	2
C315	3	3	3	2	2	0	2	0	0	0	1	1
C316	3	3	3	2	3	3	2	3	3	3	3	3
C317	2	1	2	0	1	0	0	0	0	1	2	1
C318	0	0	0	0	3	2	0	0	3	3	2	0
C319	3	3	2	1	1	0	0	0	0	0	0	3
C320	2	2	2	2	3	2	2	2	2	2	2	2
C321	3	3	3	3	3	2	2	2	3	3	3	3
C401	0	0	0	0	0	1	3	0	3	3	0	2
C402	3	3	3	3	3	2	3	2	2	2	2	3
C403	2	2	3	2	2	2	2	0	0	0	0	2
C404	3	3	3	3	3	3	3	3	3	3	3	3
C405	3	2	3	3	3	1	2	1	2	2	2	2
C406	3	3	3	3	3	3	0	0	0	0	2	3
C407	3	1	3	2	0	2	3	1	0	1	0	1
C408	0	0	0	0	0	2	3	0	2	2	2	3
C409	3	2	3	3	3	2	2	1	2	2	2	2
C410	3	3	3	3	3	2	2	2	3	3	3	3
C411	3	3	3	3	3	3	3	3	3	3	3	3

C412	0	0	0	0	0	2	2	0	2	2	2	3
C413	3	3	3	3	3	2	2	2	2	3	2	3
C414	2	2	3	3	2	2	0	0	2	2	3	2
C415	1	1	2	2	2	2	1	2	3	1	2	1
C416	3	3	3	3	3	3	3	3	3	3	3	3

Course	PSO1	PSO2
C101	2	2
C102	2	0
C103	0	0
C104	0	0
C105	0	0
C106	1	1
C107	0	0
C108	2	1
C109	2	0
C110	0	2
C111	2	0
C112	1	2
C113	1	1
C114	0	0
C115	2	0
C201	2	0
C202	2	2
C203	2	2
C204	2	3
C205	2	2
C206	2	2
C207	2	2
C208	2	2
C209	2	2
C210	0	0
C211	2	2

C212	2	3
C213	3	3
C214	2	2
C215	2	3
C216	3	3
C301	2	2
C302	2	2
C303	2	2
C304	1	2
C305	1	1
C306	3	1
C307	2	0
C308	0	0
C309	2	2
C310	3	3
C311	0	0
C312	0	0
C313	3	3
C314	3	2
C315	3	2
C316	3	2
C317	1	0
C318	0	0
C319	3	3
C320	3	2
C321	3	3
C401	0	0
C402	3	2
C403	3	2
C404	3	3
C405	1	3
C406	2	2

C407	2	1
C408	0	0
C409	3	2
C410	0	0
C411	3	3
C412	0	0
C413	3	2
C414	2	1
C415	0	0
C416	3	3

3.2 Attainment of Course Outcomes (75)

Total Marks 75.00

3.2.1 Describe the assessment tools and processes used to gather the data upon which the valuation of Course Outcome is based (10)**3.2.1.A List of assessment process(2)****Course Level Assessment process:**

In Course Outcomes Assessment Processes, once the Course Outcomes are defined and are finalized for the programme, then assessment tools are categorized into two methods to evaluate the Course outcomes. They are

- Direct Assessment Tools
- Indirect Assessment Tools

Direct Assessment Tools: used to measure the student's knowledge and skills from their performance in the continuous internal assessment tests, semester examinations, seminars, Projects and assignments

Indirect Assessment Tools: used to implement by conducting course end survey from the students to reflect on their learning which includes opinion, thoughts about the student's knowledge or skills.

$$\text{Overall COs Assessment} = 80\% \text{ of Direct Assessment of COs} + 20\% \text{ of Indirect Assessment of CO}$$

These direct and indirect Assessment tools are helpful to obtain the level of attainment of each Course Outcome (CO). For each course the faculty handling the course is called as the course Coordinator. The senior faculty who is experienced in the related subjects is identified as Module Coordinator. The Program Assessment Committee and Module Coordinator will review the attainment of the courses.

Each Course is defined with 4 to 6 Outcomes. The Course attainment for a particular course is obtained by measuring the student performance in Internal and External examinations.

Assessment processes of Course Outcomes for Regulation -2018(R18)

The following assessment tools used to assess the attainment of course outcomes and there by program outcomes.

Direct Assessment Tools:

Table B.3.2.1a: Direct Assessment Tools

Direct Assessment Tools					
S. No.	Course Type	Assessment Tools		Frequency	
1	Assignments	Assignments (5 M)		Twice per course	
2	Evaluation of Theory Courses (100 M)	Semester End Examination (70 M)		Once per course	
		Continuous Internal Evaluation (25 M)		Twice per course	
3	Evaluation of Laboratory Courses (100 M)	Semester End Examination (70 M)		Once per course	
		Day to Day Evaluation (20 M)		Continuous Evaluation	
		Internal practical examination (10M)		Once per course	
4	Seminar (100 M)	Continuous Internal Evaluation (100 M)		Once per semester	
5	Project Work	Mini Project (100 M)	Semester End Examination (100 M)		Once per semester
		Major Project (200 M)	Phase-I (100M)	Semester End Examination (70 M)	In Final year I-sem, Once per Semester
				Continuous Internal Evaluation (30 M)	Continuous Evaluation
			Phase-II (100M)	Semester End Examination (70 M)	In Final year II-sem, Once per Semester
				Continuous Internal Evaluation (30 M)	Continuous Evaluation

1. Assignments:

Assignments are given to the students during the course in order to improve their conceptual knowledge, which involves application of the theoretical concepts in solving various problem-oriented questions. For each of the course offered during the semester, assignment carries 5 marks and added to internal examination marks of 25. Assignments are given twice in a semester and each assignment questions are given one week before the internal examinations. In order to build up the research abilities of the students in advanced/application oriented subjects, one of the questions in the assignment is based on extension of the subject/latest trends. In such cases the student needs to refer online resources/journal/Proceedings/magazines for getting solutions.

2. Evaluation of Theory Courses (Internal and External):

The performance of a student in each semester is evaluated course wise with a maximum of 100 marks for Theory courses (30 marks for Continuous Internal Evaluation (CIE) and 70 marks for Semester End Examination (SEE)). For each course, two CIEs (internal examinations) and one SEE (external examination) will be conducted.

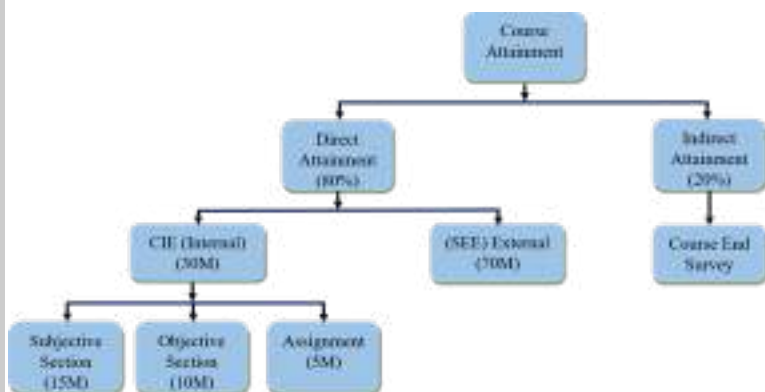


Figure B.3.2.1.a: Assessment tools for the calculation of CO attainment for Theory Course

a. Continuous Internal Evaluation (Internal Examinations):

For the Theory Subjects during the semester, there shall be 2 mid-term examinations for 25 marks each. Each mid-term examination consists of one Objective section for 10 marks, plus one Subjective section for 15 marks, with a total duration of 120 minutes. Further, there shall be an allocation of 5 marks for the Assignment, and there shall be 2 Assignments. The Objective section may beset with multiple choice questions, True/False selections, fill-in the blanks, matching type questions, etc. The Subjective section shall contain 5 questions, out of which the student has to answer any 3 questions, each question carrying 5 marks.

The first mid-term examination shall be conducted in the middle of the semester for the first 50% of the syllabus, and the second mid-term examination shall be conducted at the end of the semester for the remaining 50% of the syllabus.

The first mid-term examination marks and the first assignment marks combined together shall make one set of CIE marks, and the second mid-term examination marks and the second assignment marks shall make the second set of CIE marks; and the Average of the two sets of mid examination marks shall be taken as the final marks secured by the student towards Continuous Internal Evaluation (CIE) in that Theory Subject. This Average marks indicates the Students performance in CIE examinations.

b. Semester End Examination (External Examinations):

The Semester End Examinations are conducted for 70 marks. The question paper consists of Part-A (10 marks) and Part-B (60 marks). Part-A consist of 5 compulsory questions covering all the 5 units and carrying 2 marks each. Part-B consist of 10 questions covering all the 5 units and 5 questions are to be answered in either or pattern with each question carrying 12 marks.

Assignments, CIEs and Semester End Examinations put together contribute to the assessment of students abilities in applying fundamental concepts and to look into their quantitative, numerical and analytical skills.

3. Evaluation of Lab/Practical Courses:

For the Lab/Practical Courses, the Continuous Internal Evaluation (CIE) during the semester shall be for 30 Marks, and the Semester End Examination (SEE) shall be for 70 Marks. Out of the 30 Marks for internals (CIE), day-to-day assessment of the lab work shall be assessed for 20 Marks which includes Observation (5 marks), Record (5 marks), Viva + Execution + Attendance (10 marks) and one internal lab exam shall be conducted by the laboratory teacher concerned for 10 Marks. The Semester End Examination (SEE) for Labs/Practicals shall be conducted at the end of the semester by Two Examiners nominated by the Head of the Department and approved by the Principal.

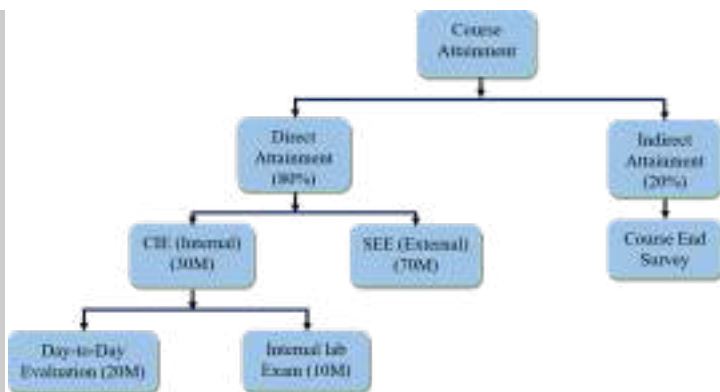


Figure B.3.2.1.b: Assessment tools for calculation of CO attainment for Laboratory Course

4. Seminars:

A seminar presentation is conducted for the students in III year II Semester. The student shall collect the information on a technical topic, prepare a Technical Report and submit the Technical Report prepared to the Department at the time of Seminar Presentation. The Seminar Presentation (along with the Technical Report submitted) shall be evaluated for 100 marks by Two Faculty Members assigned by the Head of the Department. There shall be no SEE or external examination for the Seminar.

5. Project Work :

The project work is assigned and carried out by a group of maximum four students. The students are encouraged to choose the topic of the project work in their own area of interest in concern with the Project Guide/ Project Supervisor assigned by the Head of the Department. The mini-project is carried out by III year students and major project by IV year students under the supervision of the faculty assigned.

Evaluation of project works:

a. Mini-projects:

In III year II Semester, the students need to undertake a mini-project and taken up during the summer vacation (between III and IV Years) for about eight weeks duration. Continuous evaluation of the mini-project is done in the beginning of 4th year 1st semester by the project supervisors and the mini-project coordinators.

The Mini-Project work shall be submitted in a Report form, and a presentation of the same shall be made before a Committee and is evaluated for 100 Marks by the committee. The Committee shall consist of the Head of the Department, the supervisor, coordinator of Mini Project, and a Senior Faculty Member of the Department/. There shall be no internal marks for Mini-Project. Performance evaluation of the Mini-Project shall be included in the IV Year I Semester Grade Card.

b. Major Project:

The Project Work shall be divided and carried out in 2 phases: Phase-I (Project-I) during IV Year I Semester, and Phase-II (Project-II) during IV Year II Semester, and the student has to prepare two independent Project Work Reports—one each during each phase. First Report shall include the Project Work carried out under Phase – I, and the Second Report (Final Report) shall include the Project Work carried out under Phase – I and Phase – II put together. Phase – I and Phase – II of the Project Work shall be evaluated for 100 marks each.

Table B.3.2.1.b: Assessment Criteria Phase-I and Phase-II

Phase	Assessment	Evaluator	CIE / SEE
I	Internal	Supervisor	CIE (30M)
I	Internal	HOD or One Professor and Supervisor (no external examiner)	SEE (70M)
II	Internal	Supervisor	CIE (30M)
II	External	Viva Voce by External Examiner	SEE (70M)
		Total	200M

As in Table B.3.2.1.b shows, Out of the total 100 marks allotted for each Phase of the Project Work, 30 marks shall be for the CIE (Continuous Internal Evaluation/CIE) and 70 Marks shall be for the End Semester Viva-voce Examination/SEE). The Marks earned under CIE for both Phases of the Project shall be awarded by the Project Guide/Supervisor (based on the continuous evaluation of student's performance during the two Project Work Phases/periods); and the marks earned under SEE shall be awarded by the Project Viva-voce Committee/ Board (based on the work carried out, report prepared and the presentation made by the student at the time of Viva-voce Examination).

For the Project Phase - I, the Viva-voce shall be conducted at the end of the IV Year I Semester, before the commencement of that Semester End Examinations, at the Department Level by a Committee comprising of the HOD or One Professor and Supervisor (no external examiner), and the Project Phase – II (or Final Project Viva-voce) shall be conducted by a Committee comprising of an External Examiner, the Head of the Department and the Project Supervisor at the end of the IV Year II Semester, before the commencement of semester end examinations. The nomination of the External Examiner shall be done by the Principal from the panel of 3 names of external faculty members (Professors or Associate Professors outside the College) submitted by the HOD.

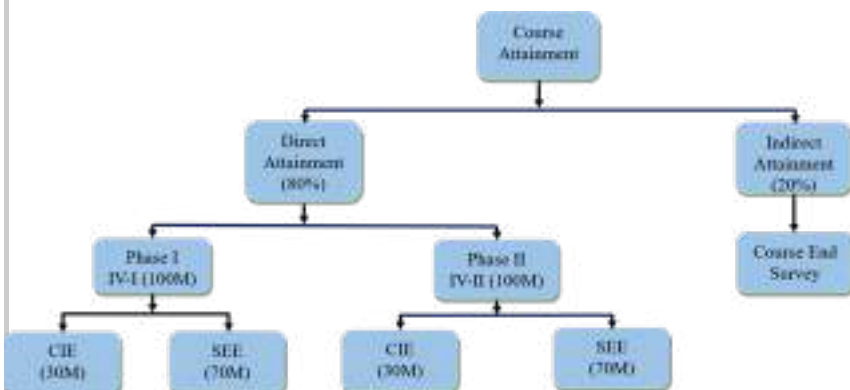


Figure B 3.2.1.c: Assessment tools for calculation of CO attainment for Project Course

Indirect Assessment tool:

Course End Survey: A survey on the course outcomes is conducted at the end of the semester. Course coordinator will prepare the questionnaire on the course outcomes to know the level of mapping of the Course Outcome with the framed Course content. The questionnaire is distributed to all the students and feedback is collected on effectiveness of the course.

3.2.1.B. The quality/relevance of assessment processes & tools used (8)

Process used for the attainment of course outcome:

Course-Direct Attainment:

Procedure for Calculation of CO attainment (Continuous Internal Evaluation)

The detailed Procedure for CO attainment of Continuous Internal Examinations is as follows:

1. The Course Outcomes (COs) covered for mid exams are denoted as CO1,CO2,.....CO6.
2. Identify the questions of mid exam corresponding to COs of particular Course.
3. To compute average value of particular CO, the formula is given as

$$\text{Average value in percentage (Question wise)} = Y_1 = B / A * 100$$

where A= Class Strength * Max. marks of that question,

B = Sum of all the marks scored by all students for that question.

The same process is repeated for other questions addressing that particular CO.

$$\text{The average value of that CO (including all questions)} = ((Y_1 + Y_2 + \dots + Y_n) / n) * 0.6$$

This average value is called as Target value for that particular CO.

Here the multiplying factor 0.6=30/50 is used because of 30 marks questions need to be answered from 50 marks of question paper.

4. For each CO, the attainment level is determined based on percentage of students crossing target value as shown in below table

Percentage range of Students crossing target	Attainment Level	Description
<50	0	Not Attained
>=50 & <60	1	Weak
>=60 & <70	2	Moderate
>=70	3	Strong

Repeat above procedure for determining attainments levels of other COs.

6. Repeat steps 1 to 5 for second CIE.

7. The Overall attainment of the course is equal to average attainment of all COs covered in both CIEs of that particular course.

For example, the questions of first CIE (mid-1) may relate to CO2, CO3 and CO6 and the questions of second CIE (mid-2) may relate to CO1, CO4 and CO5. CO attainment is evaluated based on the questions that correspond to a particular CO. Each CO attainment evaluation is done by computing the average of the marks attained by all the students for the questions that mapped to the corresponding CO.

For example, Q1(a), Q1(c) of Part –A, Q.2, Q.3, Q.5 of Part-B correspond to CO1.

Student Roll No	Q1(a) (1M)	Q1(c) (1M)	Q2 (5M)	Q3 (3)	Q5 (4M)
1	1	0	4	3	4
2	1	1	3	3	3
3	1	1	5	2	3
4	0	0	2	1	4
5	1	1	0	1	0

To compute the average value of CO1, the percentage of marks obtained by each student for CO1 is calculated.

The percentage of average value for each question is calculated for all the students in the class which is obtained by the

formula: Average value in percentage (Question wise) = $Y_1 = (4 / 5 * 1) * 100 = 80\%$

where A = Class Strength * Max. marks for each question,

B = Marks scored by all students for each question.

The same process is done for each question addressing for CO1.

Then average value of CO1 (including all questions) = $(Y_1 + Y_2 + \dots + Y_n) / n * 0.6 = (80 + 60 + 56 + 66.66 + 70 / 5) * 0.6 = 39.91\%$

This average value is called as Target value for CO1.

The attainment level for CO1 is determined based on percentage of students crossing target value.

Repeat above procedure for determining attainments levels of other COs.

Similar process is done for 2nd CIE question paper.

The average value for all the course outcomes for two internal exams in a semester is calculated.

The attainment level is to be noted depending on the obtained average value as follows:

If the average CO attainment percentage falls under any one of the category, then the attainment level is considered as shown:

Attainment Level is 1: if 50% to 59% of students score more than threshold,

Attainment Level is 2: if 60% to 69% of students scoring more than the threshold

Attainment Level is 3: if >=70% of students score more than the threshold

The average attainment value is calculated for both the CIEs.

• **Procedure for Calculation of CO attainment (Semester End Examinations (SEE))**

The detailed Procedure for CO attainment of Semester End Examinations (SEE) is as follows:

1. The Course Outcomes (COs) covered in SEE are denoted as CO1, CO2, CO6.

2. Identify the questions of SEE corresponding to COs of particular Course.
3. Set the target value for each CO based on course, COs and blooms levels of question appearing in COs.
4. Percentage of students crossing the set target for each question of that particular CO is calculated as below

For part-A (Compulsory Question):

i. Let y_1 be the Percentage of students crossing the target value for each question in that CO and is calculated as follows

$$y_1 = P_1 / Q_1 * 100$$

where P_1 = Number of students crossing the target value.

Q_1 = Total Class Strength

Then assigned the attainment level as per below

Percentage range of Students crossing target	Attainment Level	Description
<50	0	Not Attained
>=50 & <60	1	Weak
>=60 & <70	2	Moderate
>=70	3	Strong

Let the attainment level is L_1 for y_1 .

The same process repeated for other questions addressing the same CO to obtain attainment levels L_2, L_3, \dots, L_n

For part-B (Choice based questions):

ii. The Percentage of students crossing the target value for each question in that CO is calculated as follows

$$z_1 = P_2 / Q_2 * 100$$

where P_2 = Number of students crossing the target value.

Q_2 = Number of students Attempted to that question

Then assigned the attainment level as per below

Percentage range of Students crossing target	Attainment Level	Description
<50	0	Not Attained
>=50 & <60	1	Weak
>=60 & <70	2	Moderate
>=70	3	Strong

Let the attainment level for z_1 is K_1

The same process repeated for other questions addressing the same CO to obtain attainment level K_2, K_3, \dots, K_m

5. Overall attainment level of particular CO = $(L_1 + L_2 + \dots + L_n + K_1 + K_2 + \dots + K_m) / (n + m)$.
6. The same process repeated for other COs.
7. The Overall attainment of the course is equal to average attainment of all COs that particular course.

Course -Direct attainment calculation is done by considering 30% weightage for CIE Attainment level and 70% weightage for External Examinations attainment level.

$$\text{Course -Direct attainment} = 70\% \text{ of SEE} + 30\% \text{ of CIE}$$

Indirect Attainment:

Course end survey of CO1 or indirect CO1 attainment of a course is given by the Average of CO1 of all students.

$$D_1 = \frac{(1 \cdot A_1) + (2 \cdot B_1) + (3 \cdot C_1)}{A_1 + B_1 + C_1}$$

A1 -----Number of students Opted for low option (level 1)

B1-----Number of students Opted for medium option (level 2)

C1-----Number of students Opted for Substantial/High Option (level 3)

Similar process is used to obtain other CO attainments.

The final indirect CO attainment (IA) of course= Average of all CO attainment levels of that course.

Final Course Attainment:

Final course attainment calculation is done by considering 80% weightage for Direct Attainment level and 20% weightage for Indirect attainment level.

$$\text{Course Attainment Level} = 80\% \text{ of DA} + 20\% \text{ of IA}$$

Sample Sheet for CO attainment of Voice Over Internet Protocol (VOIP) course (19-23 Batch)

Overall CO attainment	CO1	CO2	CO3	CO4	CO5	CO6		
internal (CIE)	89.55	91.04	67.16	64.18	88.06	71.64		
Levels	3	3	2	2	3	3	Range	level
30% of internal	0.9	0.9	0.6	0.6	0.9	0.9	>=70	3
External (SEE)	3	2.33	3	2.83	2.4	2.8	60 to 69	2
70% of external	2.1	1.63	2.1	1.98	1.68	1.96	50 to 59	1
internal+external	3	2.53	2.7	2.58	2.58	2.86	<50	0
80% (internal+external)	2.4	2.02	2.16	2.06	2.06	2.28		
CES	2.93	2.85	2.85	2.82	2.94	2.87		
20% of CES	0.59	0.57	0.57	0.56	0.59	0.57		
CO (80%direct+20%indirect)	2.99	2.6	2.73	2.63	2.65	2.86		
AVERAGE	2.74							

CO Attainment Level for VOIP is 2.74

3.2.2 Record the attainment of Course Outcomes of all courses with respect to set attainment levels (65)

Institute Marks : 65.00

3.2.2.A. Verify the attainment levels as per the benchmark set for all courses (65)

Program shall have set Course Outcome attainment levels for all courses.

As per Regulation – 2018 guidelines 30% weightage is given to internal exam assessment and 70% weightage is given to external exam assessment.

Course outcome	Course outcome attainment level from internal assessment	Course outcome attainment level from External assessment	CO Direct Attainment	CO Indirect Attainment	Over all CO Attainment
CO Attainment	W (CIE-1+ CIE-2)	X	Y= 0.3 (W) + 0.7 (X)	IA	0.8(Y) +0.2(IA)

Direct Attainment Evaluation:

·Sample attainment Sheets for Direct CO Attainment (Internal Assessment)

CIE-1

The below table explains the attainment process for obtaining the course attainment levels

Course Attainment in CIE-1 for VOIP- 4/4 ETE , I Sem (19-23 Batch)

Q.No	1a	1b	1c	1d	1e	1f	1g	1h	1i	1j	2a	2b	3a	3b	4a	4b	5a	5b	6a	6b	A1	A2	A3	A4	A5	CO1	CO2	CO3	CO4
CO	CO1	CO1	CO1	CO1	CO3	CO4	CO3	CO4	CO4	CO4	CO1	CO1	CO1	CO2	CO3	CO4	CO3	CO3	CO4	CO2	CO1	CO3	CO3	CO3	12.5	3.5	12.5	11.5	
Marks	1	1	1	1	1	1	1	1	1	1	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	1	1	1	1	1				
Roll no																													
19251A1701	1	1	1	1	1	0	1	1	1	1			2.5	2.5	2.5	2			2	1.5	1	1	1	1	1	60	100	76	56.522
19251A1702	1	1	1	1	1	1	1	0	1	1		2	2.5	2.5	2.5	0			1.5	1.5	1	1	1	1	1	76	100	72	39.13
19251A1703	1	1	1	1	1	1	1	0	1	1	1	2	2.5	2.5					1.5	1.5	1	1	1	1	1	84	100	52	39.13
19251A1704	1	1	1	1	1	1	1	1	1	0			2.5	2.5	2.5	1.5	1	2.5			1	1	1	1	1	60	100	80	47.826
19251A1705	1	1	0	1	1	1	1	1	1	1	2.5	2.5	0	2.5	2.5	2.5		2.5	1		1	1	1	1	1	72	100	88	56.522
19251A1706	1	1	1	1	1	1	1	1	1	1	2.5	2.5	2.5	2.5	2.5	1.5					1	1	1	1	1	100	100	60	47.826
19251A1707	1	0	0	1	1	0	0	0	0	0	0.5		1		0			0	1.5	2	1	1	1	1	1	36	28.6	44	17.391
19251A1708	1	1	1	1	1	1	1	1	1	1			2.5	2.5	2.5	2.5	1.5	2.5	2.5	2.5	1	1	1	1	1	60	100	100	91.304
19251A1709	1	1	1	1	1	1	1	1	1	1	1	2.5	2.5	2.5					2.5	2.5	1	1	1	1	1	88	100	60	56.522
19251A1710	1	1	1	1	1	0	1	1	0	1			2	2.5				1.5	1		1	1	1	1	1	56	100	60	17.391
19251A1711	1	1	1	1	1	1	1	1	1	0	2.5	2.5			1.5				2	1.5	1	1	1	1	1	80	28.6	68	39.13
19251A1712	1	1	1	1	0	1	0	0	1	0			2.5	2.5					2.5	1	1	1	1	1	1	60	100	44	26.087
19251A1713	1	1	0	1	1	1	1	1	1	0			1	2	2.5	1	1				1	1	1	1	1	40	85.7	60	43.478
19251A1714	1	0	0	1	0	0	0	0	0	0	1.5		2								1	1	1	1	1	52	28.6	24	0
19251A1715	1	1	1	1	1	1	1	1	0	1	2.5		2.5	2.5				2.5	1	1.5	1	1	1	1	1	80	100	68	39.13
19251A1716	1	1	1	1	1	1	1	0	1	1	2.5	2.5	2.5	2.5	2.5	2.5					1	1	1	1	1	100	100	60	47.826

19251A1717	1	1	1	1	1	0	1	1	1	1	1	2.5	2.5	2.5	2.5					2	1	1	1	1	1	1	1	100	100	56	34.783	
19251A1718	1	1	1	1	1	1	1	1	1	1	1			2.5	2.5	2.5	2.5			2	2.5	1	1	1	1	1		60	100	76	78.261	
19251A1719	1	1	1	1	1	1	1	1	1	1	1	1	2.5	2	2.5	2.5				2		1	1	1	1	1		84	100	76	34.783	
19251A1720	1	1	1	1	1	1	1	1	1	1	1	1	2.5	2.5	2.5	2.5	2.5	1					1	1	1	1	1		100	100	60	43.478
19251A1721	1	1	1	1	1	1	1	1	1	1	0	1	2.5	2.5	2.5					0.5	0.5	1	1	1	1	1		88	100	44	30.435	
19251A1722	1	1	1	1	1	1	1	1	1	1	1	1	2.5	2.5	2.5	2.5				2	1	1	1	1	1	1		100	100	56	43.478	
19251A1723	1	1	1	1	1	1	1	1	1	1	1	1	2.5	2.5	2.5	2.5				2	1	1	1	1	1	1		100	100	56	43.478	
19251A1724	1	1	1	1	1	1	1	1	1	1	1			2.5	2.5				2.5	2	1	1	1	1	1	1		60	100	76	43.478	
19251A1725	1	0	1	1	1	1	1	1	1	1	1	1	2.5	2	2.5	2.5				2	1	1	1	1	1	1		88	100	56	43.478	
19251A1726	1	1	0	1	1	1	1	1	1	1	1	1	2.5	1.5	2.5	2.5				2		1	1	1	1	1		84	100	56	34.783	
19251A1727	0	0	0	0	0	0	0	0	0	0	0	1	1	2.5	1					1.5	0.5	1	1	1	1	1		44	57.1	36	4.3478	
19251A1728	1	1	1	1	1	0	1	1	1	1	1				2.5	2.5				2.5	1	1	1	1	1	1		40	100	80	34.783	
19251A1729	1	1	1	1	1	1	1	1	0	1					2.5	2.5				2.5	1	1	1	1	1	1		40	100	80	34.783	
19251A1730	1	1	1	1	1	1	1	1	1	0	0.5	2.5	2		2.5	0				2	1.5	1	1	1	1	1		80	28.6	76	39.13	
19251A1731	1	1	0	1	1	1	1	1	1	1	1	1	2.5	2.5	2.5	2.5	2.5	1				1	1	1	1	1		92	100	60	43.478	
19251A1732	1	1	1	1	1	1	1	1	1	0	2.5	2.5	2.5	2.5						1	0.5	1	1	1	1	1		100	100	48	30.435	
19251A1733	1	0	1	1	0	1	1	1	1	1	1	1		2	1					1	1	1	1	1	1	1		56	57.1	40	43.478	
19251A1734	0	0	0	0	0	0	1	0	0	0				1.5	2.5		1	1.5				1	1	1	1	1		20	100	32	21.739	
19251A1735	1	1	1	1	1	1	1	1	1	1	1		2.5		2.5	2.5	2.5					1	1	1	1	1		60	100	60	56.522	
19251A1736	1	1	1	0	1	1	1	1	1	1	1	2.5	1	2.5	1					2	1	1	1	1	1	1		80	57.1	56	43.478	
19251A1737	1	1	1	1	1	0	1	0	0	1	1	1	2	2.5	2.5					0.5	1	1	1	1	1	1		84	100	44	17.391	
19251A1738	1	1	1	1	1	1	1	1	1	1	1		2.5	2.5	2.5	2.5	1.5	0.5	2.5			1	1	1	1	1		80	100	80	52.174	
19251A1739	1	1	0	1	1	1	1	0	1	1				2.5	2.5			1	2.5	2	1	1	1	1	1	1		52	100	76	43.478	
19251A1740	1	1	1	1	1	0	1	1	1	0	2.5	2.5	2.5	2.5	2.5	2.5						1	1	1	1	1		100	100	60	39.13	
19251A1741	0	1	1	1	1	1	1	1	1	1					2.5	2.5	1	2.5	1	1	1	1	1	1	1	1		32	28.6	88	73.913	
19251A1742	1	1	1	1	1	0	0	1	1	1	1	1	2.5	2.5	2.5					1	1	1	1	1	1	1		88	100	40	34.783	
19251A1743	1	1	1	1	1	1	1	1	1	1	1	1	2.5	2.5	2.5	2.5				2.5	2.5	1	1	1	1	1		100	100	60	56.522	
19251A1744	1	1	1	1	1	1	1	1	1	1	1	1	2.5	2.5	2.5	2.5				2	1.5	1	1	1	1	1		100	100	56	47.826	
19251A1745	1	1	1	1	1	1	1	1	1	1	1	1	2.5	2.5	2.5	2				1	1	1	1	1	1	1		100	85.7	48	43.478	
19251A1746	1	1	1	1	0	1	1	1	1	1	1	1	2.5	2.5	2.5	2.5	2.5	2				1	1	1	1	1		100	100	52	52.174	
19251A1747	1	0	1	1	1	0	1	1	1	1				1.5	2	2.5	2			2	2	1	1	1	1	1		44	85.7	76	60.87	
19251A1748	1	0	0	1	1	0	0	1	0	0	2.5	2	2.5	0.5						2	1	1	1	1	1	1		80	42.9	48	17.391	
19251A1749	1	1	1	1	1	1	1	1	1	1	1	1	2.5	2	2.5	2				2	1		1	1	1	1		96	85.7	64	34.783	
19251A1750	1	1	1	1	1	1	1	0	1	1	2	2.5	2.5	2.5						2	1	1	1	1	1	1		96	100	56	34.783	

19251A1751	1	0	1	1	1	0	0	0	0	0	2.5	2.5	2.5	2.5					2	1	1	1	1	1	1	1	92	100	48	8.6957		
19251A1752	1	0	1	1	1	1	1	1	1	1			2	2.5				1.5		0.5	1	1	1	1	1	1	48	100	52	39.13		
19251A1753	1	1	1	1	1	1	1	1	1	1	2.5	2.5	2.5	2.5					2	2	1	1	1	1	1	1	100	100	56	52.174		
19251A1754	1	1	1	1	1	1	1	1	1	1	2.5	2.5	2.5	2.5					1.5		1	1	1	1	1	1	100	100	52	34.783		
19251A1755	1	1	1	1	1	1	1	1	1	1			2.5	2.5	2.5	1			1.5	1	1	1	1	1	1	1	60	100	72	52.174		
19251A1756	1	1	0	1	1	1	1	1	1	1	2	1	2.5	2.5					0.5	1	1	1	1	1	1	1	76	100	44	43.478		
19251A1757	1	0	1	1	1	1	1	1	1	0	0			2.5	2.5				2	0.5	1	1	1	1	1	1	52	100	56	21.739		
19251A1758	1	1	1	1	1	1	1	1	1	1	2.5	2.5	2.5	2.5	2.5	2.5					1	1	1	1	1	1	100	100	60	56.522		
19251A1759	1	0	1	1	1	1	1	1	1	1			2.5	2.5	1.5	1			2	0.5	1	1	1	1	1	1	52	100	68	47.826		
19251A1760	1	1	1	1	1	1	1	1	1	1	2.5	2.5	2.5	2.5					0.5	1	1	1	1	1	1	1	100	100	44	43.478		
20255A1701	1	1	1	0	1	1	1	1	1	1	2.5	2.5	2.5	2.5					2	1.5	1	1	1	1	1	1	92	100	56	47.826		
20255A1702	1	0	0	1	1	0	0	0	0	1			2.5	2.5					2	1	1	1	1	1	1	1	44	100	56	17.391		
20255A1703	1	1	0	0	0	1	0	1	0	0			1	1.5	1.5	0.5			0.5		1	1	1	1	1	1	32	71.4	40	21.739		
20255A1704	1	1	1	1	1	1	1	1	1	1			2.5	2.5	1.5	0.5			2.5		1	1	1	1	1	1	60	100	72	39.13		
20255A1705	1	1	1	1	1	1	1	1	1	1			2.5	2.5	2.5	1.5			0.5	0.5	1	1	1	1	1	1	60	100	64	52.174		
20255A1706	1	1	1	1	1	1	1	1	1	1			2.5	2.5	2.5		0.5	2.5			1	1	1	1	1	1	60	100	80	39.13		
18251A1750	1	1	1	0	1	1	1	1	0	1			1.5	2.5			1.5	1.5	1.5	1	1	1	1	1	1	1	44	100	64	47.826		
																												0	0	0	0	
																													0	0	0	0
																													0	0	0	0
																													0	0	0	0
																													0	0	0	0
																													0	0	0	0
																													0	0	0	0
																													0	0	0	0
67	67	67	67	67	67	67	67	67	67	67	40	39	62	62	30	25	9	16	51	45	67	67	67	67	67	67						
Class Strength * Max. marks (A)	67	67	67	67	67	67	67	67	67	67	168	168	168	168	168	168	168	168	168	168	67	67	67	67	67	67						
Marks Scored (B)	64	54	54	61	60	52	58	54	53	51	82	89	142	146	68.5	39	9.5	33.5	82.5	54.5	67	67	67	67	67							

% of attainment (Question wise)	95.5	80.6	80.6	91	89.6	77.6	86.6	80.6	79.1	76.1	49	53.1	84.8	86.9	40.9	23.3	5.67	20	49.3	32.5	100	100	100	100	100										
COURSE OUTCOMES																																			
																								CO1	CO2	CO3	CO4								
Avg value in % of each CO																								43.92	54.4	36.1	24.374								
No. of students above Threshold level for each CO																								60	61	64	56								
% of students above Threshold level for each CO																								89.55	91	95.5	83.582								
Attainment level COs wise																								3	3	3	3								

CIE-2

The below table explains the attainment process for obtaining the course attainment levels:

Course Attainment in CIE-2 for VOIP- 4/4 ETE , I Sem (19-23 Batch)

Q.No	1a	1b	1c	1d	1e	1f	1g	1h	1i	1j	2a	2b	3a	3b	4a	4b	5a	5b	6a	6b	A1	A2	A3	A4	A5
CO	CO3	CO4	CO6	CO6	CO6	CO6	CO5	CO5	CO5	CO5	CO3	CO4	CO6	CO6	CO6	CO6	CO5	CO5	CO5	CO5	CO4	CO6	CO6	CO5	CO5
Marks	1	1	1	1	1	1	1	1	1	1	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	1	1	1	1	1
Roll no																									
19251A1701	1	1	1	1	1	1	1	1	1	1	1.5	2.5	2.5	2	2.5	2					1	1	1	1	1
19251A1702	1	1	1	1	0	1	1	1	1	0			1.5	1	2	1.5					1	1	1	1	1
19251A1703	1	1	1	1	1	1	1	1	1	0			2.5	2.5	2.5	1.5	1				1	1	1	1	1
19251A1704	1	1	1	1	1	1	1	1	1	1			2.5	2.5	2.5	2.5	2	2.5			1	1	1	1	1
19251A1705	1	1	0	0	0	0	0	1	0	1	2	2	1.5	2.5	2.5	0					1	1	1	1	1
19251A1706	1	1	1	1	1	1	1	1	1	1			2	2	1.5	0	0.5	0			1	1	1	1	1
19251A1707	1	1	0	0	0	0	1	1	0	0			0	0	0	2.5	0				1	1	1	1	1
19251A1708	1	1	1	1	1	1	1	1	1	1	2.5	2.5	2.5	2	2.5	2.5					1	1	1	1	1
19251A1709	1	1	1	1	0	1	1	1	1	1			2.5	2.5	2.5	2.5	1.5	2.5			1	1	1	1	1
19251A1710	1	1	0	1	1	1	1	1	1	1							1	1.5	0.5		1	1	1	1	1
19251A1711	1	1	1	1	1	1	1	1	1	0			2.5	2.5	2.5	2.5	2	2			1	1	1	1	1
19251A1712	1	1	1	1	0	1	1	1	1	1			2.5	1	2.5	2	1.5	1.5			1	1	1	1	1
19251A1713	1	1	1	0	1	1	1	1	1	1	0.5	1	2	1		0					1	1	1	1	1
19251A1714	0	0	1	0	0	0	1	1	0	0							1	0.5			1	1	1	1	1
19251A1715	1	1	0	1	1	1	1	1	1	1							2	2.5	1.5	0.5	1	1	1	1	1
19251A1716	1	1	1	1	1	1	1	1	1	1	2.5	2.5	2.5	2	2.5	2					1	1	1	1	1
19251A1717	0	1	1	1	0	1	1	1	1	1			2.5	2.5	2.5	2.5	2	1			1	1	1	1	1
19251A1718	1	1	1	1	1	1	1	1	1	1	2.5	2.5	2.5	2.5	2.5	2.5					1	1	1	1	1
19251A1719	1	1	1	1	1	1	1	1	1	1			2.5	2	2.5	2	1				1	1	1	1	1
19251A1720	1	1	1	1	1	1	1	1	1	1			2.5	2	2.5	2	1				1	1	1	1	1
19251A1721	1	1	1	1	1	1	1	1	1	1	1	2.5	2.5	2.5	2.5	2.5					1	1	1	1	1
19251A1722	1	1	1	1	1	1	1	1	1	1			2.5	2.5	2.5	2.5	2.5				1	1	1	1	1
19251A1723	1	1	1	1	0	1	1	1	1	0	2.5	2.5	0	2.5	1	0					1	1	1	1	1
19251A1724	1	1	1	1	1	1	1	1	1	1	2	1	2.5	2.5	2.5	2.5					1	1	1	1	1
19251A1725	1	1	1	1	0	1	1	1	1	1			2.5	2.5	2.5	2.5	0.5				1	1	1	1	1
19251A1726	1	1	1	1	1	1	1	1	1	1	1.5	1					2	2.5	2.5	1	1	1	1	1	
19251A1727	0	0	0	0	0	0	1	1	0	0			0.5	0.5		1.5	0.5	1.5			1	1	1	1	1
19251A1728	1	1	1	1	1	0	1	1	1	1				1			1	2.5		1	1	1	1	1	
19251A1729	1	1	1	1	1	0	1	1	0	1			2.5	2.5	2.5	1.5	1	1			1	1	1	1	1
19251A1730	1	1	1	1	1	1	1	1	1	1	2	2	2.5	1.5	2.5	1.5					1	1	1	1	1

CO1	CO2	CO3	CO4	CO5	CO6
0	0	3.5	4.5	16	16
0	0	71.42857	100	37.5	93.75
0	0	28.57143	44.44444	31.25	68.75
0	0	28.57143	44.44444	37.5	93.75
0	0	28.57143	44.44444	65.625	100
0	0	85.71429	88.88889	25	53.125
0	0	28.57143	44.44444	40.625	71.875
0	0	28.57143	44.44444	25	28.125
0	0	100	100	37.5	96.875
0	0	28.57143	44.44444	62.5	93.75
0	0	28.57143	44.44444	56.25	31.25
0	0	28.57143	44.44444	56.25	100
0	0	28.57143	44.44444	56.25	81.25
0	0	42.85714	66.66667	37.5	50
0	0	0	22.22222	34.375	18.75
0	0	28.57143	44.44444	78.125	31.25
0	0	100	100	37.5	93.75
0	0	0	44.44444	56.25	93.75
0	0	100	100	37.5	100
0	0	28.57143	44.44444	43.75	93.75
0	0	28.57143	44.44444	43.75	93.75
0	0	57.14286	100	37.5	100
0	0	28.57143	44.44444	53.125	100
0	0	100	100	31.25	53.125
0	0	85.71429	66.66667	37.5	100
0	0	28.57143	44.44444	40.625	93.75
0	0	71.42857	66.66667	87.5	37.5
0	0	0	22.22222	37.5	28.125
0	0	28.57143	44.44444	65.625	37.5
0	0	28.57143	44.44444	43.75	87.5
0	0	85.71429	88.88889	37.5	87.5

20255A1705	1	1	0	0	1	1	1	1	1	1	1	2.5	1	2	1	0.5	1	1	1	1	1	0	0	28.57143	44.44444	46.875	59.375	
20255A1706	1	1	1	1	1	1	1	1	1	1	2.5	2.5	2.5	1	0	1	1	1	1	1	1	0	0	100	100	37.5	59.375	
18251A1750	1	1	1	1	1	1	1	1	1	1	1.5	1.5	2	1	1	1	1	1	1	1	1	0	0	28.57143	44.44444	50	75	
																							0	0	0	0	0	0
																							0	0	0	0	0	0
																							0	0	0	0	0	0
																							0	0	0	0	0	0
																							0	0	0	0	0	0
																							0	0	0	0	0	0
																							0	0	0	0	0	0
																							0	0	0	0	0	0
																							0	0	0	0	0	0
67	67	67	67	67	67	67	67	67	67	67	27	30	54	55	54	52	44	31	7	7	67	67	67	67	67			
Class Strength * Max. marks (A)	67	67	67	67	67	67	67	67	67	67	168	168	168	167.5	167.5	168	168	168	167.5	167.5	67	67	67	67	67			
Marks Scored (B)	61	63	55	60	52	57	66	63	56	56	57	60	118	102.5	120.5	89.5	66.5	53	10	7.5	67	67	67	67	67			
% of attainment (Question wise)	91.04	94	82.1	89.6	77.61	85.1	98.51	94	83.58	83.58	34	35.8	70.4	61.19	71.94	53.4	39.7	31	5.97	4.478	100	100	100	100	100			
COURSE OUTCOMES																												
Avg value in % of each CO																												
No. of students above Threshold level for each CO																												
% of students above Threshold level for each CO																												
Attainment level COs wise																												

Sample of consolidated CIE-1 & CIE-2 attainment Sheets for Direct CO Attainment

VOIP	CIE-1(MID1)	VOIP	CIE-2(MID2)	VOIP(MID1 & MID2)	INTERNAL	Range	level
COs	Attainment%	COs	Attainment%	COs	Attainment%		
CO1	89.55224	CO1	0	CO1	89.55224	>=70	3

CO2	91.04478	CO2	0	CO2	91.04478	60 to 69	2
CO3	95.52239	CO3	38.80597	CO3	67.16418	50 to 59	1
CO4	83.58209	CO4	44.77612	CO4	64.1791	<50	0
CO5	0	CO5	88.0597	CO5	88.0597		
CO6	0	CO6	71.64179	CO6	71.64179		
Overall Attainment %	89.92537	Overall Attainment %	60.82	Overall Attainment %	80.60		
Attainment Level	3	Attainment Level	2	Attainment Level	3		

·Sample attainment Sheets for Direct CO Attainment (External Assessment)

Course Attainment in SEE for VOIP- 4/4 ETE , 1 Sem (19-23 Batch)																								
Q.No	1a	1b	1c	1d	1e	2a	2b	3a	3b	4a	4b	5	6a	6b	7a	7b	8a	8b	9a	9b	10a	10b	11a	11b
CO	CO2	CO4	CO4	CO5	CO6	CO2	CO1	CO1	CO2	CO3	CO3	CO4	CO4	CO3	CO4	CO4	CO5	CO5	CO5	CO5	CO6	CO6	CO6	CO6
Marks	2	2	2	2	2	6	6	6	6	6	6	12	6	6	6	6	6	6	6	6	6	6	6	6
Roll no																								
19251A1701	1	2	2	2	2	6	4					11	5	5			6	5			3	4		
19251A1702	1	2	1	2	2			4	4			10			4	3	5	4			5	4		
19251A1703	2	1	1	1	2	4	6					11	5	6			5	6					4	4
19251A1704	2	2	2	2	2	5	5					11	5	6			6	6					4	4
19251A1705	2	2	2	2	1			5	4			10	2	6					4	4	5	5		
19251A1706	1	2	2	0	1			3	1			8	4	2					4	3			1	
19251A1707	1	1	1	1	1	1	4					8	4	1			4	2					1	
19251A1708	2	2	1	1	2	6	6					12	5	6			5	6					4	4
19251A1709	2	2	2	2	1			5	4			12			4	4	6	5					4	3
19251A1710	2	2	2	1	2	5	5					10	4	2									3	0
19251A1711	1	1	1	2	1	5	5					10	5	4			6	6					4	4
19251A1712	2	2	1	1	1	5	5					12		4					4	6	4	6		
19251A1713	2	2	2	1	1	5	5					10	5	5			5	5					4	2
19251A1714	1	2	1	1	2	4						8	4	4					4	5	4	3		
19251A1715	1	1	1	1	1	5	5			4		8	5	5			1	3					4	2
19251A1716	2	0	1	2	2	6	6					12			5	5	5	5			2	5		
19251A1717	2	0	2	2	2	6	6					11			4	4	5	5			4	4		
19251A1718	1	0	2	2	2	4	4			6	4		5	6			5	5					4	4

19251A1719	1	2	1	2	2	5	5					12	5		1	4	5	5							6	6	
19251A1720	1	2	1	2	1			5	4			10	4	4			5	4								4	3
19251A1721	2	2	2	2	2	5	5					12	5	6			5	5								1	
19251A1722	2	2	2	1	2	6	6					12	5	4			5	6								4	4
19251A1723	2	2	2	2	2			6	5			11	5	6						5	6					4	
19251A1724	2	2	2	2	2	5	5					11	6	5			5	6				2	5				
19251A1725	2	2	2		2	5	6					11	5	5			5	6								4	4
19251A1726	2	2	2	1	1	4	6					10	4	4			5	4				3	4				
19251A1727	1	2	1	0	1	2	5	4	3			8	5	4			4	2				1	4				
19251A1728	1		1	1	1	4	5					10	5	5			5	4				5	5				
19251A1729	1	2	2	2	2	4	5					11	5	1			5	5								2	2
19251A1730	2	2	2	2	2	4	5					10			5	5	5	4								3	4
19251A1731	2	2	2	2	2	5	5					11	6	6			5	5								3	1
19251A1732	2	2	2	2	2	5	6					11	5	6		5	5									5	5
19251A1733	2	0	1	1	1			4	4			8	4	4			4									5	0
19251A1734	1								1	1	1	1	2	1			1	1				1	1			2	
19251A1735	2	2	2	2	2	5	5					11	5	6						5						4	
19251A1736	2	2	2	2	2	5	6					12	5	5			6	6								5	5
19251A1737	1	0	1	1	1	3	5					8	3	0			5	0					2	4	2		
19251A1738	1	2	1	2	1			6	4			11	6	3			6	6								5	5
19251A1739	2	2	2	2	2	5	6					11	6	4			5	6								5	5
19251A1740	2	2	2	2	2	6	5			6	5		6	6			5	5								3	4
19251A1741	2	2	2	2	2			6	4			11	5	6			5	5								4	3
19251A1742	2	2	2	2	2	5	6			6	5				6	5	6	6								5	2
19251A1743	2	2	2	2	2			5	4			11	5	6						5				5	5	5	5
19251A1744	2	2	2	1	2	5	4					10			4	5	5	5								5	5
19251A1745	1	0	1	2	2	5	5					10	5	3						3	5						
19251A1746	2	2	2	2	2			5	5			12	6	5			6	6								5	6
19251A1747	2	2	2	2	2	4	5					10	4	4						4	4	3	4				
19251A1748	2	2	2	2	2	4	4					10	4							3	3					3	4
19251A1749	2	2	2	2	1			5	3			8	4	5			4	5								2	1
19251A1750	2	2	2	2	2	5	6					12	5	6			5	5				5	2				
19251A1751	1	2	2	2	1			4	1			10	4	4			2	3				2	4				
19251A1752	2	0	1		0	4	4				3	5	4	3			4				4	3	3				

19251A1753	2	2	2	2	2	5	5					10		6	6			5	5							4	4
19251A1754	2	2	2	2	2	5	5					11				5	5	5	5							3	3
19251A1755	2	2	1	1	2	5	5					11		4	2					3						3	3
19251A1756	2	2	1	1	1			5	3			8		5	4			4								3	2
19251A1757	1	2	2	0	1	4	5					10		5	5			5	5							1	
19251A1758	2	2	2	2	1	5	5					11		5	6			6	5			2	4				
19251A1759	2	2	1		2			4	2			8		4	2					3	3					1	
19251A1760	2	2	2	2	2	5	5			5	5			5	5			5	5							4	4
20255A1701	2	2	2	2	2			6	4			11				4	4	5								5	4
20255A1702	2	2	1	2	2	4	6					11						5	4							2	
20255A1703	2	1	2	2	2	5	6			4	5			2	2			5	4							4	4
20255A1704	1	2	1	1	1	4	3					8			6					1						2	2
20255A1705	2	2	2	1	2	4	5					10				4		5	4			2	4				
20255A1706	2	2	1	2	1	4	4					10				4	4	5	2							4	
18251A1750	1	2	1	0	1	3	4					10		4	5				6							2	
67	67	65	66	63	66	50	49	17	18	6	8	62	0	53	53	11	12	52	49	11	12	18	21		48	38	

Course Attainment in SEE with target values for VOIP- 4/4 ETE , I Sem (19-23 Batch)

Q.No	1a	1b	1c	1d	1e	2a	2b	3a	3b	4a	4b	5	6a	6b	7a	7b	8a	8b	9a	9b	10a	10b	11a	11b
CO	CO2	CO4	CO4	CO5	CO6	CO2	CO1	CO1	CO2	CO3	CO3	CO4	CO4	CO3	CO4	CO4	CO5	CO5	CO5	CO5	CO6	CO6	CO6	CO6
Marks	2	2	2	2	2	6	6	6	6	6	6	12	6	6	6	6	6	6	6	6	6	6	6	6
Roll no																								
19251A1701	N	Y	Y	Y	Y	Y	Y					Y	Y	Y			Y	Y			Y	Y		
19251A1702	N	Y	N	Y	Y			Y	Y			Y			Y	N	Y	Y			Y	Y		
19251A1703	Y	N	N	N	Y	Y	Y					Y	Y	Y			Y	Y					Y	Y
19251A1704	Y	Y	Y	Y	Y	Y	Y					Y	Y	Y			Y	Y					Y	Y
19251A1705	Y	Y	Y	Y	Y			Y	Y			Y	N	Y					Y	Y	Y	Y		
19251A1706	N	Y	Y	N	Y			N	N			Y	Y	N					Y	N			N	
19251A1707	N	N	N	N	Y	N	Y					Y	Y	N			Y	N					N	
19251A1708	Y	Y	N	N	Y	Y	Y					Y	Y	Y			Y	Y					Y	Y
19251A1709	Y	Y	Y	Y	Y			Y	Y			Y			Y	Y	Y	Y					Y	Y
19251A1710	Y	Y	Y	N	Y	Y	Y					Y	Y	N									Y	N
19251A1711	N	N	N	Y	Y	Y	Y					Y	Y	Y			Y	Y					Y	Y

19251A1712	Y	Y	N	N	Y	Y	Y					Y		Y					Y	Y	Y	Y			
19251A1713	Y	Y	Y	N	Y	Y	Y					Y	Y	Y			Y	Y					Y	N	
19251A1714	N	Y	N	N	Y	Y						Y	Y	Y					Y	Y	Y	Y			
19251A1715	N	N	N	N	Y	Y	Y				Y	Y	Y	Y			N	N					Y	N	
19251A1716	Y	N	N	Y	Y	Y	Y					Y			Y	Y	Y	Y				N	Y		
19251A1717	Y	N	Y	Y	Y	Y	Y					Y			Y	Y	Y	Y				Y	Y		
19251A1718	N	N	Y	Y	Y	Y	Y			Y	Y			Y	Y			Y	Y					Y	Y
19251A1719	N	Y	N	Y	Y	Y	Y					Y	Y		N	Y	Y	Y					Y	Y	
19251A1720	N	Y	N	Y	Y			Y	Y			Y	Y	Y			Y	Y					Y	Y	
19251A1721	Y	Y	Y	Y	Y	Y	Y					Y	Y	Y			Y	Y					N		
19251A1722	Y	Y	Y	N	Y	Y	Y					Y	Y	Y			Y	Y					Y	Y	
19251A1723	Y	Y	Y	Y	Y			Y	Y			Y	Y	Y					Y	Y			Y		
19251A1724	Y	Y	Y	Y	Y	Y	Y					Y	Y	Y			Y	Y				N	Y		
19251A1725	Y	Y	Y		Y	Y	Y					Y	Y	Y			Y	Y					Y	Y	
19251A1726	Y	Y	Y	N	Y	Y	Y					Y	Y	Y			Y	Y				Y	Y		
19251A1727	N	Y	N	N	Y	N	Y	Y	N			Y	Y	Y			Y	N				N	Y		
19251A1728	N		N	N	Y	Y	Y					Y	Y	Y			Y	Y				Y	Y		
19251A1729	N	Y	Y	Y	Y	Y	Y					Y	Y	N			Y	Y					N	N	
19251A1730	Y	Y	Y	Y	Y	Y	Y					Y			Y	Y	Y	Y					Y	Y	
19251A1731	Y	Y	Y	Y	Y	Y	Y					Y	Y	Y			Y	Y					Y	N	
19251A1732	Y	Y	Y	Y	Y	Y	Y					Y	Y	Y		Y	Y						Y	Y	
19251A1733	Y	N	N	N	Y			Y	Y			Y	Y	Y			Y						Y	N	
19251A1734	N								N	N	N	N	N	N			N	N				N	N	N	
19251A1735	Y	Y	Y	Y	Y	Y	Y					Y	Y	Y					Y				Y		
19251A1736	Y	Y	Y	Y	Y	Y	Y					Y	Y	Y			Y	Y					Y	Y	
19251A1737	N	N	N	N	Y	N	Y					Y	N	N			Y	N				N	Y	N	
19251A1738	N	Y	N	Y	Y			Y	Y			Y	Y	Y			Y	Y					Y	Y	
19251A1739	Y	Y	Y	Y	Y	Y	Y					Y	Y	Y			Y	Y					Y	Y	
19251A1740	Y	Y	Y	Y	Y	Y	Y			Y	Y			Y	Y			Y	Y				Y	Y	
19251A1741	Y	Y	Y	Y	Y			Y	Y			Y	Y	Y			Y	Y					Y	Y	
19251A1742	Y	Y	Y	Y	Y	Y	Y			Y	Y				Y	Y	Y	Y					Y	N	
19251A1743	Y	Y	Y	Y	Y			Y	Y			Y	Y	Y					Y			Y	Y	Y	
19251A1744	Y	Y	Y	N	Y	Y	Y					Y			Y	Y	Y	Y					Y	Y	
19251A1745	N	N	N	Y	Y	Y	Y					Y	Y	Y					N	Y					

19251A1746	Y	Y	Y	Y	Y			Y	Y			Y	Y	Y			Y	Y					Y	Y			
19251A1747	Y	Y	Y	Y	Y	Y	Y					Y	Y	Y				Y	Y	Y	Y						
19251A1748	Y	Y	Y	Y	Y	Y	Y					Y	Y					N	N					Y	Y		
19251A1749	Y	Y	Y	Y	Y			Y	N			Y	Y	Y			Y	Y						N	N		
19251A1750	Y	Y	Y	Y	Y	Y	Y					Y	Y	Y			Y	Y			Y	N					
19251A1751	N	Y	Y	Y	Y			Y	N			Y	Y	Y			N	N			N	Y					
19251A1752	Y	N	N		N	Y	Y				Y	N	Y	Y			Y			Y	Y	Y					
19251A1753	Y	Y	Y	Y	Y	Y	Y					Y	Y	Y			Y	Y						Y	Y		
19251A1754	Y	Y	Y	Y	Y	Y	Y					Y			Y	Y	Y	Y						Y	Y		
19251A1755	Y	Y	N	N	Y	Y	Y					Y	Y	N						N				Y	Y		
19251A1756	Y	Y	N	N	Y			Y	N			Y	Y	Y			Y							Y	N		
19251A1757	N	Y	Y	N	Y	Y	Y					Y	Y	Y			Y	Y						N			
19251A1758	Y	Y	Y	Y	Y	Y	Y					Y	Y	Y			Y	Y			N	Y					
19251A1759	Y	Y	N		Y			Y	N			Y	Y	N					N	N				N			
19251A1760	Y	Y	Y	Y	Y	Y	Y			Y	Y		Y	Y			Y	Y						Y	Y		
20255A1701	Y	Y	Y	Y	Y			Y	Y			Y				Y	Y	Y						Y	Y		
20255A1702	Y	Y	N	Y	Y	Y	Y					Y					Y	Y						N			
20255A1703	Y	N	Y	Y	Y	Y	Y			Y	Y		N	N			Y	Y						Y	Y		
20255A1704	N	Y	N	N	Y	Y	N					Y		Y					N					N	N		
20255A1705	Y	Y	Y	N	Y	Y	Y					Y			Y		Y	Y			N	Y					
20255A1706	Y	Y	N	Y	Y	Y	Y					Y			Y	Y	Y	N				Y					
18251A1750	N	Y	N	N	Y	N	Y					Y	Y	Y				Y						N			
67	46	53	41	41	65	46	48	16	11	5	7	60	49	44	10	11	49	42	7	8	11	18	37	27	YESS		
	21	12	25	22	1	4	1	1	7	1	1	2	4	9	1	1	3	7	4	4	7	3	11	11	NOs		
percentage of students	68.66	79.1	61.19	61.19	97.01	92	97.96	94.12	61.11	83.33	87.5	96.77	92.45	83.02	90.91	91.67	94.23	85.71	63.64	66.67	61.11	85.71	77.08	71.05			
levels	2	3	2	2	3	3	3	3	2	3	3	3	3	3	3	3	3	3	2	2	2	3	3	3			
Cos Number	2	3	3	6	5	5																					
	CO1	CO2	CO3	CO4	CO5	CO6																					
average individual	3	2.333	3	2.833	2.4	2.8																					
	CO																										
overall CO	2.728																										

Indirect Attainment Evaluation:

Sample attainment Sheet for Indirect CO Attainment

Course end survey for VOIP- 4/4 ETE , I Sem (19-23 Batch)						
Roll No	CO1	CO2	CO3	CO4	CO5	CO6
19251A1701	3	3	3	3	3	3
19251A1702	3	3	3	3	3	3
19251A1703	3	3	3	3	3	3
19251A1704	3	3	3	3	3	3
19251A1705	3	3	3	3	3	3
19251A1706	3	3	1	3	3	3
19251A1707	3	3	3	3	3	3
19251A1708	3	3	3	3	3	3
19251A1709	3	3	3	3	3	3
19251A1710	3	3	3	2	3	3
19251A1711	3	3	3	3	3	3
19251A1712	3	2	3	3	3	3
19251A1713	3	3	3	3	3	3
19251A1714	3	3	3	3	3	3
19251A1715	2	3	3	3	3	3
19251A1716	3	3	3	3	3	3
19251A1717	3	3	3	3	3	3
19251A1718	3	3	3	3	3	3
19251A1719	3	3	3	3	3	3
19251A1720	3	3	3	3	3	3
19251A1721	3	3	3	3	3	3
19251A1722	3	3	3	3	1	1
19251A1723	3	3	3	3	3	3
19251A1724	3	3	3	3	3	3
19251A1725	3	3	3	3	3	3
19251A1726	3	1	3	3	3	3
19251A1727	3	3	3	3	3	3
19251A1728	3	2	3	3	3	3
19251A1729	3	3	3	3	3	3
19251A1730	3	3	3	3	3	3
19251A1731	3	3	2	3	3	3
19251A1732	3	3	3	3	3	3
19251A1733	2	3	3	3	3	3

19251A1734	3	2	3	3	3	3
19251A1735	3	3	3	3	3	3
19251A1736	3	3	3	3	3	3
19251A1737	3	3	3	3	3	3
19251A1738	3	3	3	3	2	3
19251A1739	3	3	3	3	3	3
19251A1740	3	3	3	2	3	3
19251A1741	3	3	3	3	3	3
19251A1742	3	3	2	3	3	3
19251A1743	3	3	3	2	3	3
19251A1744	3	3	3	3	3	2
19251A1745	3	3	3	3	3	3
19251A1746	3	2	3	3	3	2
19251A1747	3	3	3	3	3	3
19251A1748	3	2	3	3	3	3
19251A1749	3	2	3	2	3	3
19251A1750	3	3	3	3	3	3
19251A1751	3	3	3	3	3	3
19251A1752	3	3	2	3	3	3
19251A1753	3	3	3	3	3	2
19251A1754	3	3	2	2	3	3
19251A1755	3	3	3	2	3	3
19251A1756	2	3	3	3	3	2
19251A1757	3	3	2	1	3	3
19251A1758	1	2	2	2	3	3
19251A1759	3	2	3	3	2	1
19251A1760	3	3	3	2	3	3
20255A1701	3	3	3	3	3	3
20255A1702	3	3	3	3	3	3
20255A1703	3	3	3	3	3	3
20255A1704	3	3	3	1	3	3
20255A1705	3	3	1	3	3	3
20255A1706	3	3	3	3	3	2
18251A1750	3	3	3	3	3	3
sum of CO levels given by all students	196	191	191	189	197	192
No. of students attempted	67	67	67	67	67	67

Average of each CO	2.93	2.85	2.85	2.82	2.94	2.87

Overall CO attainment sample sheet for VOIP- 4/4 ETE , I Sem (19-23 Batch)

Overall CO attainment	CO1	CO2	CO3	CO4	CO5	CO6		Range	level
internal (CIE)	89.55	91.04	67.16	64.18	88.06	71.64			
Levels	3	3	2	2	3	3		>=70	3
30% of internal	0.9	0.9	0.6	0.6	0.9	0.9		60 to 69	2
External (SEE)	3.00	2.33	3.00	2.83	2.40	2.80		50 to 59	1
70% of external	2.1	1.63	2.1	1.98	1.68	1.96		<50	0
internal+external	3	2.53	2.7	2.58	2.58	2.86			
80% (internal+external)	2.4	2.02	2.16	2.06	2.06	2.28			
CES	2.93	2.85	2.85	2.82	2.94	2.87			
20% of CES	0.59	0.57	0.57	0.56	0.59	0.57			
CO(80%direct+20%indirect)	2.99	2.60	2.73	2.63	2.65	2.86			
AVERAGE	2.74								

Overall CO Attainment Level is 2.74

CO Attainment of 2019-2023 Batch , B-Tech ETE Students:

Year and sem	Course Name	COURSE NAME	COURSE ATTAINMENT LEVELS
I Year	C101	Physics	2.68
	C102	Linear Algebra and Multivariable Calculus	2.51
	C103	Programming for Problem Solving	2.49
	C104	Engineering Graphics	2.52
	C105	Engineering Workshop	1.03
	C106	Physics Lab	2.67
	C107	Programming Lab	1.98
	C108	Chemistry	2.01
	C109	Numerical Techniques and Transform Calculus	1.98
	C110	English	2.47
	C111	Basic Electrical Engineering	1.93
	C112	Chemistry Lab	2.70
	C113	English Professional and Communication Skills Lab	2.70
	C114	Basic Electrical Engineering Lab	0.78
	C115	Computational Mathematics Lab	2.53

II-I	C201	Mathematical Analysis	1.91
	C202	Network Theory	1.16
	C203	Electronic Devices and Circuits	1.90
	C204	Signals and Systems	2.18
	C205	Digital System Design	1.96
	C206	Electronic Circuits Lab	3.00
	C207	Basic Simulation Lab	3.00
	C208	Digital System Design Lab	3.00
II-II	C209	Probability Theory and Stochastic Processes	2.41
	C210	Material Science	2.11
	C211	Analog Circuits	2.23
	C212	Analog and Digital Communications	2.62
	C213	Microprocessors and Microcontrollers	1.89
	C214	Analog Circuits Lab	3.00
	C215	Analog and Digital Communications Lab	3.00
	C216	Microprocessors and Microcontrollers Lab	3.00
III-I	C301	Linear Control Systems	2.28
	C302	Digital Signal Processing	2.16
	C303	Electromagnetic Theory	2.10
	C304	PE-1 : Computer Organization	2.56
	C305	PE-1: Electronic Measurements and Instrumentation	2.16
	C306	OE-1 : Fundamentals of Data Structures	2.55
	C307	OE-1 : Java Programming	2.36
	C308	OE-1 :Disaster Management	1.66
	C309	Digital Signal Processing Lab	3.00
	C310	Electronic Communication Design Lab	2.93
	C311	Employability and Soft Skills lab	3.00
III-II	C312	Managerial Economics and Financial Analysis	2.62
	C313	Principles of Computer Networks	2.04
	C314	Telecommunication Switching Systems and Networks	2.08
	C315	PE-2:Antennas and Wave Propagation	1.69
	C316	PE-2 Digital Image Processing	2.32
	C317	OE-2: DataBase Management Systems	2.75
	C318	OE-2: Behavioral Skills and Professional Communication	2.73
	C319	Computer Networks Lab	2.96
	C320	Telecommunications Lab	3.00
	C321	Seminar	3.00

IV-I	C401	Fundamentals of Management	2.81
	C402	Wireless Communications	2.62
	C403	PE-3:Voice over Internet Protocol	2.74
	C404	PE-4: Fundamentals of IoT	2.27
	C405	PE-4 Embedded Systems Design	2.58
	C406	OE-3: Python Programming	2.47
	C407	OE-3:Waste Management Techniques and Power Generation	2.02
	C408	OE-3: Industrial Management	2.77
	C409	Wireless Communications Lab	3.00
	C410	Mini Project	3.00
	C411	Project Phase – I	3.00
IV-II	C412	Entrepreneurship and Project Management	2.76
	C413	4G Technologies	2.55
	C414	Radar Systems	2.33
	C415	Environmental impact assessment	2.55
	C416	Project Phase – II	3.00

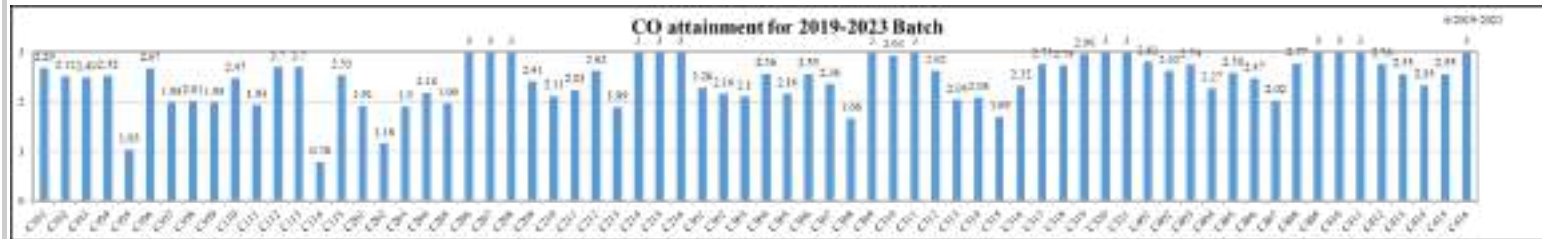


Figure B.3.2.2.a: CO Attainment for 2019-2023 batch

3.3 Attainment of Program Outcomes and Program Specific Outcomes (75)

Total

3.3.1 Describe assessment tools and processes used for measuring the attainment of each Program Outcome and Program Specific Outcomes (10)

Institute M

3.3.1.A. List of assessment tools and processes (5)

The attainment procedure of Program Outcomes comprises direct and indirect assessments. The direct assessment is a process of calculating direct attainment through the marks obtained by the students in all the courses and Course-PO mapping (Correlation Matrix) for all the courses. Indirect assessment is a process of collecting feedbacks from stake holders on the program outcomes.

Attainment tools for calculation of POs and PSOs:

The tools for the calculation of attainments are:

- Course attainments of all the courses for a complete batch.
- Course-PO mapping (Correlation Matrix) for all the courses.
- Indirect attainment is calculated by considering the results of different surveys.

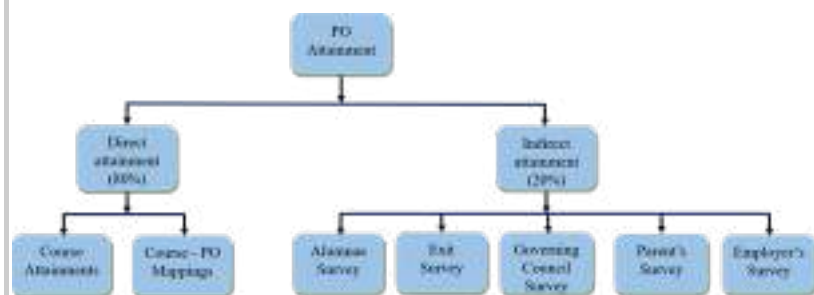


Figure B.3.3.1.a: Assessment tools for the calculation of PO attainment

The Program Outcome and Program Specific Outcome are assessed through the following Direct and Indirect assessment tools.

Assessment Tools used:

• Direct Assessment tools:

- Course Attainments: The direct attainment of Program Outcome is the collection of all the course attainments
- Course-PO mappings of all courses

• Indirect assessment tools:

Feedback from various stakeholders:

The feedback is collected every academic year from all the stakeholders and is evaluated and analyzed. Accordingly the necessary action will be initiated in the department for the successful attainment and accomplishment of the POs and PSOs of the programme. For each stakeholder different set of questions are framed based on factors on which the feedback is to be taken. The average rating in terms of percentage is calculated for each of the question. The calculated average of each question is mapped to POs and PSOs that relates to it. The average is computed to all the questions that mapped to each PO&PSO.

Alumnae Survey: Feedback is collected from alumnae with 30 questions which are rated from 0 to 5.

Exit Survey: Feedback is collected from the outgoing students with 15 questions which are rated from 0 to 5.

Governing Council Survey: Feedback is collected from governing council body with 14 questions which are rated from 0 to 5

Parent's Survey: Feedback is collected from parents with 15 questions which are rated from 0 to 5.

Employer's Survey: Feedback is collected from Employer with 15 questions which are rated from 0 to 5.

The overall Indirect attainment for each PO&PSO is calculated as follows

- Mapping all survey Questions with corresponding POs & PSOs
- Finding average percentage of all survey questions that corresponding to POs & PSOs

Table B.3.3.1.a: Range for defining the Indirect Course Attainment Level

Percentage range of Students crossing target	Attainment Level	Description

<50	0	Not Attained
>=50 & <60	1	Weak
>=60 & <70	2	Moderate
>=70	3	Strong

- The feedback from Alumnae feedback is collected with the questionnaire given in the Table B.3.3.1.b

Table B.3.3.1.b: Questionnaire for Alumnae feedback

S. No	Point	Attribute / Item	<i>Strongly Agree</i>	<i>Agree</i>	<i>No Opinion</i>	<i>Disagree</i>	<i>Strongly Disagree</i>
1.	A1	The Programme gave sound knowledge of the engineering fundamentals and strong foundations in ETE Branch specialization courses, necessary at graduate level.					
2.	A2	Appropriate combination of Theoretical Knowledge & Practical Skills in the Programme allowed clear understanding of engineering processes, and enabled offering correct analysis & effective solutions.					
3.	A3	Programme was well structured and implemented to ensure problem solving ability in ETE related fields, enhancing the confidence levels of students.					
4.	A4	Enough importance was given to design, verification and result analysis, using modern scientific tools, enabling present day technological needs.					
5.	A5	Plenty of opportunities were provided to excel as individual and as group member, through academic exercises, mini-projects, co/extra-curricular activities, and professional society events.					
6.	A6	Ample scope was given to enhance abilities for - individual problem solving, modelling and analysis of engineering problems, hands-on experience and data interpretation/presentation.					
7.	A7	Special focus on improvement of communication skills and peer-networking abilities through language lab sessions, workshops, seminars, group discussions, paper presentations, conduct of technical events is appreciated.					
8.	A8	College ambience and Programme planning ensured good team collaborations, inculcated learning abilities with professional ethics and engineering practices in multi-disciplinary fields.					
9.	A9	The Programme gave ample scope for identifying complex engineering problems and imparted knowledge to develop acceptable models & offer effective solutions.					
10.	A10	Programme encouraged utility of modern engineering tools and sophisticated technologies to develop acceptable solutions for complex engineering problems in real life domain.					
11.	A11	Programme on the whole, satisfied the needs of all women students-provided good career opportunities and also enabled them to go for higher studies/research.					
12.	A12	The College campus was quite green and student friendly, with hygienic canteen food and pleasant hostel facilities and transport provisions.					
13.	A13	Safety and Security requirements for all girl students were excellent, and medical attention was as per needs.					

14.	A14	The Programme enabled GNITS students to realize their social responsibilities & conduct successful events related to societal issues & regional development.					
15.	A15	Overall, the Programme met my expectations and I am happy to progress ahead with this successful graduation.					
16.	B1	Your graduation at GNITS helped you in securing your first employment (Regards PEO 1)					
17.	B2	How much your graduation helped you in being 'well prepared' to meet the industry/ organization requirements, during Training/ Probationary Period?					
18.	B3	What performance grade you got, in completing the Training Sessions related to your employment, within the specified period?					
19.	B4	Is your engineering programme knowledge helpful in solving technical problems at the organization?					
20.	B5	Your compatibility in using modern tools/technologies to meet your job requirements is (Regards PEO2)					
21.	B6	Your comfort level and acceptability - in performing the job functions as a group member or team lead, and as a follower of professional ethics, are					
22.	B7	Your levels of Technical Presentation and Communication Skills are ...					
23.	B8	You have commendable participation in the conduct of professional and technological promotion events at your Organization, and your contributions made you happy ..					
24.	B9	What is the time taken for your first promotion in the Organization ?					
25.	B10	How many training programs you attended (in related fields) during your employment?					
26.	B11	How many times you represented your group in technical discussions or acted as resource person for your team?					
27.	B12	How many Projects you have successfully completed so for (as Lead or Member)?					
28.	B13	What additional qualifications/ certifications could you attain after your graduation?					
29.	B14	You could carefully plan and organize cultural/sports events or social meets at your organization, much to your personal satisfaction ..					
30.	B15	Overall, you consider that your career progress and professional achievements are mainly due to your successful graduation Programme at GNITS.					

- The feedback from Exit Survey is collected with the questionnaire given in the Table B.3.3.1.c

Table B.3.3.1.c: Questionnaire for Exit Survey feedback

S. No	Point	Attribute / Item	Strongly Agree	Agree	No Opinion	Disagree	Strongly Disagree
-------	-------	------------------	----------------	-------	------------	----------	-------------------

1.	A1	The Programme gave sound knowledge of the engineering fundamentals and strong foundations in ETM Branch specialization courses, necessary at graduate level.					
2.	A2	Appropriate combination of Theoretical Knowledge & Practical Skills in the Programme allowed clear understanding of engineering processes, and enabled offering correct analysis & effective solutions.					
3.	A3	Programme was well structured and implemented to ensure problem solving ability in ETM related fields, enhancing the confidence levels of students.					
4.	A4	Enough importance was given to design, verification and result analysis, using modern scientific tools, enabling present day technological needs.					
5.	A5	Plenty of opportunities were provided to excel as individual and as group member, through academic exercises, mini-projects, co/extra-curricular activities, and professional society events.					
6.	A6	Ample scope was given to enhance abilities for - individual problem solving, modelling and analysis of engineering problems, hands-on experience and data interpretation/presentation.					
7.	A7	Special focus on improvement of communication skills and peer-networking abilities through language lab sessions, workshops, seminars, group discussions, paper presentations, conduct of technical events is appreciated.					
8.	A8	College ambience and Programme planning ensured good team collaborations, inculcated learning abilities with professional ethics and engineering practices in multi-disciplinary fields.					
9.	A9	The Programme gave ample scope for identifying complex engineering problems and imparted knowledge to develop acceptable models & offer effective solutions.					
10.	A10	Programme encouraged utility of modern engineering tools and sophisticated technologies to develop acceptable solutions for complex engineering problems in real life domain.					
11.	A11	Programme on the whole, satisfied the needs of all women students-provided good career opportunities and also enabled them to go for higher studies/research.					
12.	A12	The College campus was quite green and student friendly, with hygienic canteen food and pleasant hostel facilities and transport provisions.					

13.	A13	Safety and Security requirements for all girl students were excellent, and medical attention was as per needs.					
14.	A14	The Programme enabled GNITS students to realize their social responsibilities & conduct successful events related to societal issues & regional development.					
15.	A15	Overall, the Programme met my expectations and I am happy to progress ahead with this successful graduation.					

- The feedback from Governing Council feedback is collected with the questionnaire given in the Table B.3.3.1.d

Table B.3.3.1.d: Questionnaire for Governing Council Feedback

	Point	Attribute / Item	<i>Strongly Agree</i>	<i>Agree</i>	<i>No Opinion</i>	<i>Disagree</i>	<i>Strongly Disagree</i>
1.	A1	The programme offers good teaching/learning process to give sound knowledge on engineering fundamentals, analysis, design and applications enabling present day technological needs.					
2.	A2	Conducting technical events, labs sessions, workshops, seminars and projects are appreciated.					
3.	A3	importance is given to design and solve problems using latest technologies and advanced tools.					
4.	A4	Academic Success Rate of students in each year of the Programme/level and the final successful Placement Statistics are excellent.					
5.	A5	College ambience and Programme planning ensure good team collaborations, inculcate continuous learning abilities with professional ethics and engineering practices in multi-disciplinary fields.					
6.	A6	Well maintained transport and hostel facilities providing safety and security measures.					
7.	A7	Digital Library facilities, Internet linked Labs, and Wi-Fi enabled campus are quite creditable and commendable.					
8.	A8	Evaluate methods are transparent, and marks/grades awarded truly represent the student performance levels.					
9.	A9	Faculty and non-teaching staff are competent and accommodative, ensuring cohesive academic, research and administrative atmosphere, decisive learning/training features.					
10.	A10	In GNITS, the Budget requirements of each Department are well prepared, and are equally well supported by quick administration approvals & management grants.					
11.	A11	Management Conducts periodic selections for faculty recruitment and provides maintains congenial academic/research environment to retain the faculty.					
12.	A12	The College Management and the Governing Body Members are academically proactive and extended their complete support, to make the College 'a Centre of Excellence for Engineering Education' in the state.					

13.	A13	Good Research and innovation culture is established through which students at PG level will independently carryout research/ development work.					
14.	A14	PG Students exhibit mastery over UG concepts and present and publish a substantial technical reposts in conferences and journals.					

- The feedback from Parent's feedback is collected with the questionnaire given in the Table B.3.3.1.e

Table B.3.3.1.e: Questionnaire for Parent's Feedback

Sl.No	Point	Attribute / Item	Strongly Agree	Agree	No Opinion	Disagree	Strongly L
1	A1	We chose GNITS Womens' College for my daughter, because of its Excellent Reputation in Academics and Placements, well structured Programme Implementation and instruction facilities					
2	A2	We could take proper actions, corrective measures and give relevant support for our daughter's progress, as GNITS faculty continuously informed us about her attendance, performance and domains of interest					
3	A3	Our visits to College campus were not necessary to monitor our daughter's progress, as enough care is taken through counselling and guidance					
4	A4	Our satisfaction level with reference to the curriculum offered, laboratory equipment provided and modern scientific tools available, is excellent					
5	A5	As per our observations, Faculty Strength, Teaching-Learning Practices used, and special focus on imparting Soft skills and Communication Skills are well appreciated features at GNITS					
6	A6	GNITS has balanced co/extra-curricular activities, well planned technical/cultural events, encouraging professional society memberships, which are very much liked by our daughter ..					
7	A7	College has provided many opportunities for our ward to excel in Seminar/Technical Paper Presentations, Workshop Participations and Mini-Project Executions					
8	A8	Excellent Training and Discussion Sessions are available at GNITS Campus, ensuring proper understanding/orientation towards placements & career guidance					
9	A9	The College has a well-maintained campus with greenery, Digital Library, Wi-Fi provision, hygienic drinking water and canteen facilities					
10	A10	We are very happy with the well maintained student transport/ hostel facilities, and excellent encouragement plus support for student participation in sports & games ...					
11	A11	The College has excellent safety and security measures, adequate medical facilities, because of which we are at ease as far as our girl's stay at campus is concerned					
12	A12	We are glad that our ward is aware of social issues, participated in events related to societal responsibility & regional developments, scrupulously following moral values and professional ethics ...					
13	A13	The College has adequate infrastructural facilities, well ventilated class-rooms and easily accessible good mannered faculty giving us enough satisfaction and greater pride on admitting our daughter here					
14	A14	We are extremely happy with our daughter's campus placement before the completion of her graduation, and our parental pride is entirely due to her GNITS graduation ...					
15	A15	We are very much satisfied with our daughter's progress in the B. Tech. Programme, and we would like to recommend GNITS Graduation Programme study to our friends/ relatives or any other contacts					

- The feedback from Employer Survey feedback is collected with the questionnaire given in the Table B.3.3.1.f

Table B.3.3.1.f: Questionnaire for Employer-Survey Feedback

	Point	Attribute / Item	<i>Strongly Agree</i>	<i>Agree</i>	<i>No Opinion</i>	<i>Disagree</i>	<i>Strongly Disagree</i>
1.	A1	GNITS graduates have desire to learn, and are industry ready, as revealed by their creditable performances during training sessions and probationary period					
2.	A2	GNITS graduates have the necessary theoretical and practical knowledge, and are successful in proving their problem solving abilities					
3.	A3	They possess the required technical skills, programming abilities and are willing to work hard and contribute to the development of the Organization					
4.	A4	GNITS women graduates perform equally well in individual capacities and as group members or technical lead, and assume responsibility for their actions and progress					
5.	A5	They have the ability to identify the industry needs, and model or design a system/process using advanced tools to meet the technological constraints					
6.	A6	They communicate effectively with peers, seniors, subordinates, clients and other stakeholders, and proactively engage in professional development					
7.	A7	They exhibit good inter-personal relationships, and show their ability to work as a team in different social and technical environments following professional ethics					
8.	A8	They have the yearn for continuous learning and thrust to excel in successfully completing their allocated projects and proceed to advanced level jobs					
9.	A9	Their interactive presence and contributions in workshops, technical meets and project/report presentations are well appreciated					
10.	A10	They have the desire to improve their qualifications and competence, and express their willingness for advanced training practices or works on challenging projects in diversified domains					
11.	A11	The overall performance of GNITS graduates in our Organization is excellent					
12.	A12	Performance levels of GNITS women graduates are appreciably better than their counterparts from other institutions					
13.	A13	We are happy to have GNITS graduates in our Organization and are willing to recruit more in future					
14.	A14	They are aware of their social responsibilities and are equally enthusiastic in participating events related to societal issues and regional developments					
15.	A15	How many GNITS women graduates are presently working with your Organization ? a) ≥ 6 b) 4 to 5 c) 3 d) 2 e) 1 (indicate lower letter for response)					

3.3.1.B.The quality /relevance of assessment tools/processes used (5)

Direct attainment of PO&PSO:

Process used for assessing the direct attainment of Program outcomes and Program Specific Outcomes:

1. Course attainment value for all the courses are collected
2. Correlation levels are obtained from Course-PO mapping.
3. Each PO Attainment level of a course is calculated by the following formula,

PO1 attainment for a course = $(1/3) * CA * CL$

where, CA = Course attainment of a course.

CL = Correlation level (course to PO1 mapping) for a course.

4. Same process is repeated to obtain the attainments of other POs and PSOs a course.
5. The PO & PSO attainment for other courses are obtained using step 3 and 4.
6. The final direct PO1 attainment = Average of PO1 of all courses. Similar process is used to obtain other PO & PSO attainment.

Indirect attainment of PO&PSO:

Indirect Attainment is measured based on the survey from following Stakeholders are

- a. Alumnae Survey
- b. Exit Survey
- c. Governing Council Survey
- d. Parent's Survey
- e. Employer's Survey

For each survey questionnaire is prepared and responses are obtained from above Stakeholders. From this responses, Indirect Attainment is calculated with following steps.

1. Calculate Average ratings (points) for each question.

Average ratings (points) for each question = Sum of all the points for each question/ Number of Students*Maximum points of each question

2. PO indirect attainment from survey is obtained by,

$$PO_i = [Average\ rating\ of\ question1\ (Q_1)\ mapping\ to\ PO_i + Average\ rating\ of\ question2\ (Q_2)\ mapping\ to\ PO_i + \dots + Average\ rating\ of\ question\ n\ (Q_n)\ mapping\ to\ PO_i]/n$$

Where i = 1,2,.....12 and

n = Number of questions mapped to POi

3. Same is repeated for PSO attainment.

Indirect Attainment of 2019-2023 Batch:

Table B.3.3.1.g: PO Indirect Attainment for 2019-2023 batch

Survey	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
Alumnae Survey	95.45	92	94.84	95.9	85.56	96.36	96.05	94.55	92.1	82.72	94.55	90	93.75	95.45
Exit Survey	93.75	93.75	88.96	88.75	90	90	90.21	91.25	86.25	90.62	88.75	96.25	89.69	90.69
Governing Council Survey	97.78	97.78	95.56	95.56	97.78	95.56	95.56	97.78	93.33	95.56	97.78	95.56	96.67	95.56
Parent Survey	100	100	98.18	100	98.18	98.18	100	100	99.09	100	100	99.09	99.39	99.09
Employer survey	80.35	76.32	84.75	79.25	84.63	94.35	88.94	72.83	81.56	71.49	92.35	75.15	82	86.38
Average	93.46	91.97	92.45	91.89	91.23	94.89	94.15	91.28	90.44	88.07	94.68	91.21	92.3	93
Indirect Attainment Levels	3	3	3	3	3	3	3	3	3	3	3	3	3	3

Calculation of PO&PSO attainment:

The final attainment for a particular program outcome and program specific outcome is calculated by giving 80% weightage to direct attainment and 20% weightage to indirect attainment.

Table B.3.3.1.h: Overall PO Attainment for the Batch 2019-2023

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
Direct Attainment	2.12	1.90	1.99	1.74	1.95	1.68	1.81	1.57	2.02	1.92	1.76	1.76	1.76	1.76
Direct Attainment (80%)	1.69	1.52	1.59	1.39	1.56	1.34	1.45	1.25	1.62	1.54	1.41	1.41	1.41	1.41
Indirect Attainment	3	3	3	3	3	3	3	3	3	3	3	3	3	3

Indirect Attainment (20%)	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
Final PO attainment	2.29	2.12	2.19	1.99	2.16	1.94	2.05	1.85	2.22	2.14	2.01	

The PO and PSO Attainment for the batch 2019-2023 is shown in the Figure B.3.3.1.b

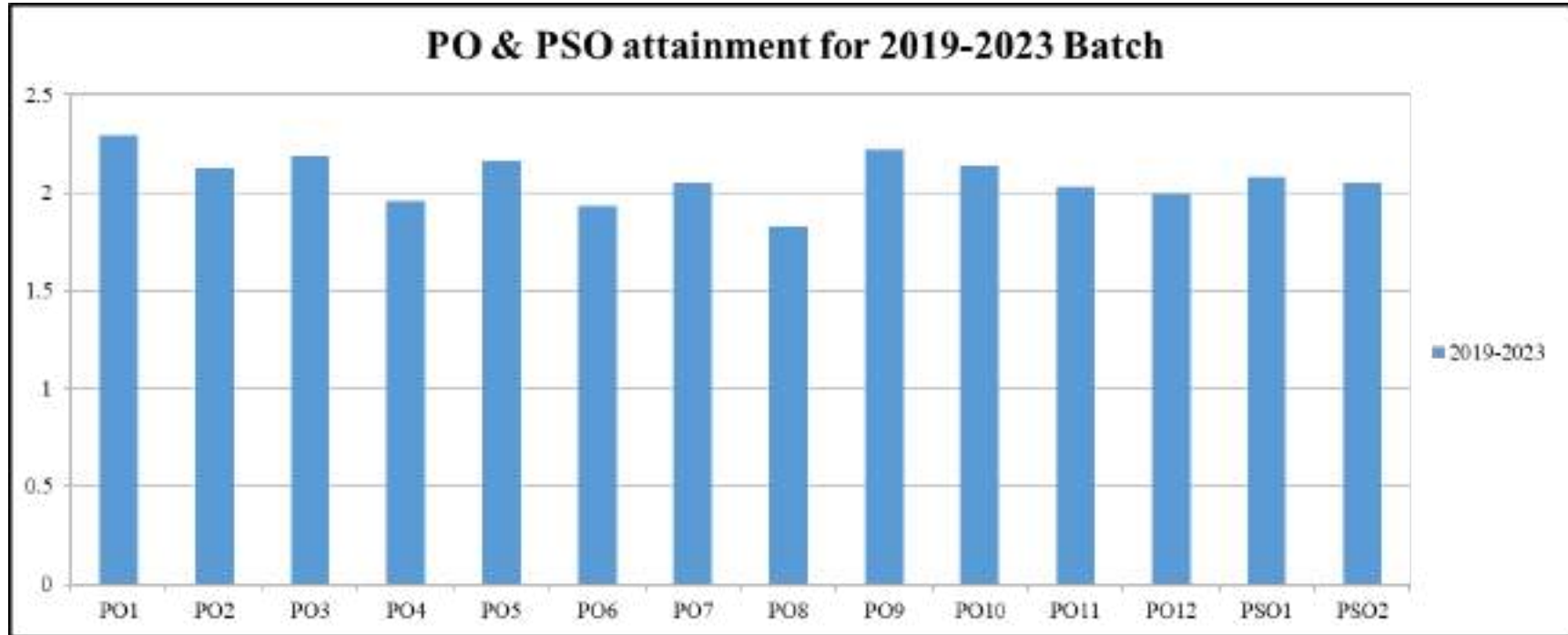


Figure B.3.3.1.b: PO and PSO Attainment for 2019-2023 batch

3.3.2 Provide results of evaluation of each PO & PSO (65)

Institute M

PO Attainment

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C102	0.84	1.67	2.51	0	0	0	0	0	0	0	0	0
C103	2.49	2.49	2.49	0	1.66	0	0	0	0.83	0	0	1.66
C104	1.68	0.84	1.68	1.68	1.68	1.68	1.68	0	0	1.68	1.68	1.68
C105	0.69	0	0.69	0	0	0.69	0	0.69	0	0.69	0	0.34
C106	1.78	1.78	1.78	1.78	1.78	1.78	1.78	2.67	2.67	1.78	0.89	2.67
C107	1.98	1.98	1.98	0.66	1.32	0	0	0	1.32	0	0	1.32
C108	1.34	1.34	1.34	1.34	2.01	1.34	1.34	0	0	0	0	1.34
C109	1.98	1.32	1.32	0.66	0	0	0	0	0	0	0	0
C110	0	0	0	0	0	2.47	2.47	1.64	2.47	2.47	0	2.47
C111	1.93	1.93	1.29	1.29	0	0	0	0	0	0	0	1.29
C112	2.70	1.80	1.80	1.80	1.80	0.90	0	0	0	0	0	0
C113	0	0	0	0.90	0	1.80	1.80	0.90	2.70	2.70	0.90	0
C114	0.78	0.78	0.52	0.52	0	0	0	0	0	0	0	0.52
C201	1.91	1.27	0	0	0	0	0	0	0	0	0	0
C202	1.16	0.77	0.77	0	0	0	0	0	0	0	0	0.77
C203	1.90	1.90	1.27	1.27	0	0	0	0	0	0	0	0.63
C204	2.18	2.18	1.45	0.73	0	0	0	0	0	0	0	0.73
C205	1.96	1.31	1.96	1.96	1.96	1.31	1.31	0.65	1.31	1.31	1.31	1.31
C206	3.00	3.00	1.00	1.00	1.00	0	0	0	0	0	1.00	1.00
C207	2.00	2.00	2.00	1.00	3.00	0	0	0	3.00	2.00	1.00	2.00
C208	3.00	2.00	3.00	3.00	3.00	2.00	2.00	1.00	2.00	2.00	2.00	2.00
C209	2.41	1.60	1.60	0.80	1.60	0	0	0	0	0	0.80	0.80
C210	0.70	0.70	0	0	0	0.70	0.70	0.70	0	0.70	0	0.70
C211	2.23	2.23	1.48	1.48	0	0	0	0	0	0	0	0.74
C213	1.89	1.89	1.26	0.63	0.63	0	0	0	0	0	0.63	1.26
C214	3.00	3.00	1.00	1.00	1.00	0	0	0	0	0	1.00	1.00
C216	3.00	2.00	1.00	0	1.00	0	0	0	0	0	0	3.00
C301	2.28	2.28	2.28	0	1.52	0	0	0	0	0	0	2.28
C302	1.44	1.44	2.16	2.16	1.44	1.44	0	1.44	2.16	1.44	2.16	1.44
C303	2.10	2.10	2.10	1.40	0.70	0	1.40	0	0	0	0	1.40

C304	2.56	1.71	1.71	1.71	2.56	0.85	0.85	0.85	0.85	1.71	1.71	1.71
C305	2.16	1.44	1.44	0.72	0	0	1.44	0	0	0	0	0.72
C306	2.55	2.55	1.70	1.70	1.70	0.85	0	0	1.70	0	1.70	1.70
C307	1.57	1.57	2.36	1.57	1.57	0	0	0	1.57	0	0	0
C308	1.11	0.55	0	1.66	0	1.11	0.55	0	1.11	0	0	1.11
C309	2.00	2.00	3.00	3.00	2.00	2.00	0	2.00	3.00	2.00	3.00	2.00
C310	2.93	2.93	2.93	1.95	1.95	0	0	0	0	0	0	2.93
C311	0	1.00	0	0	0	0	0	1.00	2.00	2.00	0	1.00
C312	0	0	0.87	1.75	0	0	2.62	0	0.87	1.75	2.62	1.75
C313	2.04	2.04	1.36	1.36	2.04	1.36	1.36	1.36	1.36	1.36	0.68	2.04
C315	1.69	1.69	1.69	1.13	1.13	0	1.13	0	0	0	0.56	0.56
C316	2.32	2.32	2.32	1.55	2.32	2.32	1.55	2.32	2.32	2.32	2.32	2.32
C317	1.83	0.92	1.83	0	0.92	0	0	0	0	0.92	1.83	0.92
C318	0	0	0	0	2.73	1.82	0	0	2.73	2.73	1.82	0
C319	2.96	2.96	1.97	0.99	0.99	0	0	0	0	0	0	2.96
C320	2.00	2.00	2.00	2.00	3.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
C321	3.00	3.00	3.00	3.00	3.00	2.00	2.00	2.00	3.00	3.00	3.00	3.00
C401	0	0	0	0	0	0.94	2.81	0	2.81	2.81	0	1.87
C402	2.62	2.62	2.62	2.62	2.62	1.74	2.62	1.74	1.74	1.74	1.74	2.62
C403	1.83	1.83	2.74	1.83	1.83	1.83	1.83	0	0	0	0	1.83
C405	2.58	1.72	2.58	2.58	2.58	0.86	1.72	0.86	1.72	1.72	1.72	1.72
C406	2.47	2.47	2.47	2.47	2.47	2.47	0	0	0	0	1.65	2.47
C407	2.02	0.67	2.02	1.34	0	1.34	2.02	0.67	0	0.67	0	0.67
C408	0	0	0	0	0	1.84	2.77	0	1.84	1.84	1.84	2.77
C409	3.00	2.00	3.00	3.00	3.00	2.00	2.00	1.00	2.00	2.00	2.00	2.00
C410	3.00	3.00	3.00	3.00	3.00	2.00	2.00	2.00	3.00	3.00	3.00	3.00
C411	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
C412	0	0	0	0	0	1.84	1.84	0	1.84	1.84	1.84	2.76
C413	2.55	2.55	2.55	2.55	2.55	1.70	1.70	1.70	1.70	2.55	1.70	2.55
C414	1.55	1.55	2.33	2.33	1.55	1.55	0	0	1.55	1.55	2.33	1.55
C415	0.85	0.85	1.70	1.70	1.70	1.70	0.85	1.70	2.55	0.85	1.70	0.85
C416	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00

C101	1.79	1.79	1.79	1.79	1.79	1.79	1.79	0	0	0	0	0
C215	3.00	3.00	3.00	0	2.00	0	0	0	0	0	0	3.00
C212	2.62	1.75	2.62	2.62	1.75	0	0	0	0	0	0.87	2.62
C404	2.27	2.27	2.27	2.27	2.27	2.27	2.27	2.27	2.27	2.27	2.27	2.27
C115	1.69	1.68	2.53	1.69	0	0	0	0	0.84	0	0	0
C314	2.12	2.12	2.12	1.41	1.41	1.41	1.41	0	0	0	0	1.41

PO Attainment Indirect

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Alumnae St	3	3	3	3	3	3	3	3	3	3	3	3
Exit Survey	3	3	3	3	3	3	3	3	3	3	3	3
Governing C	3	3	3	3	3	3	3	3	3	3	3	3
Parent's Su	3	3	3	3	3	3	3	3	3	3	3	3
Employer's	3	3	3	3	3	3	3	3	3	3	3	3

PO Attainment Level

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
InDirect Attainment	3	3	3	3	3	3	3	3	3	3	3	3
Direct Attainment	2.12	1.90	1.99	1.74	1.95	1.68	1.81	1.57	2.02	1.92	1.76	1.75

PSO Attainment

Course	PSO1	PSO2
C101	1.79	1.79
C102	1.67	0
C103	0	0
C104	0	0
C105	0	0
C106	0.89	0.89
C107	0	0
C108	1.34	0.67
C109	1.32	0
C110	0	1.64
C111	1.29	0
C112	0.90	1.80
C113	0.90	0.90

C114	0	0
C115	1.69	0
C201	1.27	0
C202	0.77	0.77
C205	1.31	1.31
C206	2.00	2.00
C208	2.00	2.00
C209	1.60	1.60
C210	0	0
C211	1.48	1.48
C212	1.75	2.62
C213	1.89	1.89
C214	2.00	2.00
C215	2.00	3.00
C216	3.00	3.00
C301	1.52	1.52
C302	1.44	1.44
C304	0.85	1.71
C305	0.72	0.72
C306	2.55	0.85
C307	1.57	0
C308	0	0
C309	2.00	2.00
C310	2.93	2.93
C311	0	0
C312	0	0
C313	2.04	2.04
C314	2.12	1.41
C315	1.69	1.13
C316	2.32	1.55
C317	0.92	0
C318	0	0
C319	2.96	2.96
C320	3.00	2.00

C321	3.00	3.00
C401	0	0
C402	2.62	1.74
C403	2.74	1.83
C404	2.27	2.27
C405	0.86	2.58
C406	1.65	1.65
C407	1.34	0.67
C408	0	0
C409	3.00	2.00
C410	3.00	3.00
C411	3.00	3.00
C412	0	0
C413	2.55	1.70
C414	1.55	0.78
C415	0	0
C416	3.00	3.00
C203	1.27	1.90
C204	1.45	1.45
C207	2.00	2.00
C303	1.40	1.40

PSO Attainment Indirect

Survey	PSO1	PSO2
Alumnae Survey	3	3
Exit Survey	3	3
Governing Council Sur	3	3
Parent's Survey	3	3
Employer's Survey	3	3

PSO Attainment Level

Course	PSO1	PSO2
Direct Attainment	1.85	1.82
InDirect Attainment	3	3

4 STUDENTS' PERFORMANCE (100)	Total Marks 81.97
-------------------------------	-------------------

Table 4.1

Item (Information to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	2023-24 (CAY)	2022-23 (CAYm1)	2021-22 (CAYm2)	2020-21 (CAYm3)	2019-20 (CAYm4)	2018-19 (CAYm5)	2017-18 (CAYm6)
Sanctioned intake of the program(N)	64	64	65	60	60	60	60
Total number of students admitted in first year minus number of students migrated to other programs/ institutions plus No. of students migrated to this program (N1)	64	64	65	57	60	60	60
Number of students admitted in 2nd year in the same batch via lateral entry (N2)	0	7	7	7	6	6	4
Separate division students, If applicable (N3)	0	0	0	0	0	0	0
Total number of students admitted in the programme(N1 + N2 + N3)	64	71	72	64	66	66	64

Table 4.2

Year of entry	Total No of students admitted in the program (N1 + N2 + N3)	Number of students who have successfully graduated without backlogs in any semester/ year of study (Without Backlog means no compartment or failures in any semester/ year of study)			
		I year	II year	III year	IV year
2023-24 (CAY)	64				
2022-23 (CAYm1)	71	53			
2021-22 (CAYm2)	72	44	40		
2020-21 (CAYm3)	64	30	34	34	
2019-20 (LYG)	66	35	34	34	34
2018-19 (LYGm1)	66	30	30	30	30
2017-18 (LYGm2)	64	33	29	28	27

Table 4.3

Year of entry	Total No of students admitted in the program (N1 + N2 + N3)	Number of students who have successfully graduated in stipulated period of study) [Total of with Backlog + without Backlog]			
		I year	II year	III year	IV year
2023-24 (CAY)	64				
2022-23 (CAYm1)	71	63			
2021-22 (CAYm2)	72	64	69		
2020-21 (CAYm3)	64	55	60	59	
2019-20 (LYG)	66	60	66	66	53
2018-19 (LYGm1)	66	58	64	64	55
2017-18 (LYGm2)	64	60	60	56	50

4.1 Enrolment Ratio (20)

Total Marks 20.00

Institute Marks : 20.00

	N (From Table 4.1)	N1 (From Table 4.1)	Enrollment Ratio [(N1/N)*100]
2023-24 (CAY)	64	64	100.00
2022-23 (CAYm1)	64	64	100.00
2021-22 (CAYm2)	65	65	100.00

Average [(ER1 + ER2 + ER3) / 3] : 100.00

Assessment : 20.00

4.2 Success Rate in the stipulated period of the program (20)

Total Marks 10.92

4.2.1 Success rate without backlogs in any semester / year of study (15)

Institute Marks : 6.90

Item	Latest Year of Graduation, LYG (2019-20)	Latest Year of Graduation minus 1, LYGm1 (2018-19)	Latest Year of Graduation minus 2 LYGm2 (2017-18)
X Number of students admitted in the corresponding First year + admitted in 2nd year via lateral entry and seperated division, if applicable	66.00	66.00	64.00
Y Number of students who have graduated without backlogs in the stipulated period	34.00	30.00	27.00
Success Index [SI = Y / X]	0.52	0.45	0.42
Average SI [(SI1 + SI2 + SI3) / 3] : 0.46			
Assessment [15 * Average SI] : 6.90			

4.2.2 Success rate in stipulated period (5)

Institute Marks : 4.02

Item	Latest Year of Graduation, LYG (2019-20)	Latest Year of Graduation minus 1, LYGm1 (2018-19)	Latest Year of Graduation minus 2 LYGm2 (2017-18)
X Number of students admitted in the corresponding First year + admitted in 2nd year via lateral entry and seperated division, if applicable	66.00	66.00	64.00
Y Number of students who have graduated in the stipulated period	53.00	55.00	50.00
Success Index [SI = Y / X]	0.80	0.83	0.78
Average SI [(SI1 + SI2 + SI3) / 3] : 0.80			
Assessment [5 * Average SI] : 4.02			
Note : If 100% students clear without any backlog then also total marks scored will be 20 as both 4.2.1 & 4.2.2 will be applicable simultaneously.			

4.3 Academic Performance in Second Year (10)

Total Marks 6.55

Academic Performance	CAYm1 (2022-23)	CAYm2 (2021-22)	CAYm3 (2020-21)
Mean of CGPA or mean percentage of all successful students(X)	7.02	6.72	6.32
Total number of successful students (Y)	69.00	60.00	66.00
Total number of students appeared in the examination (Z)	71.00	62.00	66.00
API [X * (Y/Z)]	6.82	6.50	6.32

Average API [(AP1 + AP2 + AP3)/3] : 6.55

Assessment [AverageAPI] : 6.55

4.4 Placement, Higher Studies and Entrepreneurship (30)

Total Marks 24.50

Item	CAYm1(2022-23)	CAYm2(2021-22)	CAYm3(2020-21)
Total No of Final Year Students(N)	66.00	64.00	56.00
No of students placed in the companies or government sector(X)	43.00	46.00	40.00
No of students admitted to higher studies with valid qualifying scores(GATE or equivalent State or National Level tests, GRE, GMAT etc.) (Y)	5.00	9.00	8.00
No of students turned entrepreneur in engineering/technology (Z)	0.00	0.00	0.00
Placement Index [(X+Y+Z)/N] :	0.73	0.86	0.86
Average Placement [(P1 + P2 + P3)/3] : 0.82			
Assessment [30 * Average Placement] : 24.50			

Program Name : Electronics & Telematics Engg.

Assessment Year : 2022-23 (CAYm1)

S.No	Student Name	Enrollment No	Employee Name	Appointment No
1	Rushika Gunda	19251A1722	Optum, UHG	21/02/2024
2	Sneha Gande	19251A1725	Optum, UHG	21/02/2024
3	Rithika Nayak	19251A1749	Optum, UHG	21/02/2024
4	Samala Vidya Reddy	19251A1750	Optum, UHG	24/02/2024
5	Ishwarya	19251A1739	DXC Technology	14/10/2022
6	Anusha Reddy	19251A1701	JPMC	13/03/2023 13/03/2023
7	Lalitha Adiraju	19251A1704	Franklin Templeton	19/06/2023
8	A Sandhya	19251A1705	Wipro	27081180, 31/07/2023
9	Shashitha Banda	19251A1708	Deloitte	04/10/2023
10	Bejugam Alekhya	19251A1709	Infor	36833-358643, 16/10/2023
11	Dupakuntla Ruchitha	19251A1717	Mindtree	31/10/2022
12	Anusha Dokka	19251A1718	JPMC	16/03/2023
13	Greeshma Reddy	19251A1719	Deloitte	14/05/2023
14	Aashritha Donthula	19251A1720	Deloitte	03/10/2023
15	Sai Sonali	19251A1721	Micron	16/09/2022
16	Meghana Gaddam	19251A1723	EY India	07/05/2023
17	Sai sri Gajula	19251A1724	Prodapt	12/12/2023
18	Kaveri Gorla	19251A1726	Deloitte	29/05/2023
19	Gapti Harshita	19251A1729	DXC Technology	14/10/2022
20	Vaishnavi Jeedipally	19251A1730	Deloitte	11/09/2023
21	Pavani Kongari	19251A1731	Mindtree	28/10/2022
22	Raga Suma	19251A1732	Deloitte	29/09/2023
23	Kandula Sridevi	19251A1736	Mindtree	26/10/2022
24	Lakshmi Hemaswi Chava	19251A1738	Mindtree	28/10/2022
25	Thrisha Muduganti	19251A1740	DXC Technology	14/10/2022
26	Veena Madagundi	19251A1741	19251A1741	2882069, 25/11/2022
27	Maddi Shirisha	19251A1742	EY India	07/05/2023
28	Sharanya Manusani	19251A1743	Prodapt	05/01/2023
29	Sri Pujitha	19251A1744	Deloitte	04/10/2023
30	Musunuru Tanmayi	19251A1745	Capgemini	3520282, 18/12/2022
31	Abhigna Nadupalli	19251A1746	JPMC	16/03/2023
32	Anusha Penchala	19251A1748	Prodapt	05/01/2023
33	Krishna Snehitha Sanka	19251A1751	Deloitte	03/10/2023

34	Sheela Sangeetha	19251A1753	Accenture	C11887778, 04/10/2023
35	Sravya J 03/10/2023	19251A1754	Deloitte	03/10/2023
36	Akhila Reddy	19251A1755	Deloitte	29/09/2023
37	Turaka Charitha	19251A1756	Mindtree	31/10/2022
38	T.Sai Meghana	19251A1757	Deloitte	03/10/2023
39	Turlapati Yamini	19251A1758	EY India	07/05/2023
40	Vaishnavi Reddy Bodigam	20255A1701	Deloitte	03/10/2023
41	Tulasi Vulpala	20255A1705	Freyr Energy Services Pvt. Ltd	01/06/2023
42	Aki Sreeharshini	19251A1703	Optum, UHG	23/02/2024
43	Aishwarya Buskani	19251A1711	Prodapt	05/01/2023

Assessment Year : 2021-22 (CAYm2)

S.No	Student Name	Enrollment No	Employee Name	Appointment No
1	Akshaya	18251A1702	Mind tree	TN780033173/22, 28/04/2022
2	Cheekati. Deekshitha Chowdary	18251A1705	TCS Ninja	TCSL/DT20206745229, 10/11/2021
3	Devarakonda Manasa	18251A1706	Cognizant	1992755, 28/01/2022
4	Fareeha Hameed	18251A1707	Deloitte	26/06/2022
5	G Hasitha	18251A1708	Deloitte	01/08/2022
6	Ronika Banoth	18251A1710	Tata Communications	HR-SSC/Offer/22-23/298445, 10/06/2022
7	Prakhya Korada	18251A1712	Deloitte	01/08/2022
8	Devaragatla Akhila	18251A1713	Accenture	C10965600, 30/04/2022
9	Kondreddy Sindhuja	18251A1714	Medtronic	547152, 08/08/2022
10	Bhavya Kuppili	18251A1715	Deloitte	25/04/2022
11	Maddi Akhila	18251A1717	Deloitte	29/07/2022
12	N.Nikitha	18251A1718	Accenture	C10965599, 30/04/2022
13	Nikitha Reddy Mangalikuntla	18251A1720	Cognizant	19927568
14	Poodattu Naga Hari Chandrika	18251A1721	Kagool	10/06/2022
15	Joshna Poluru	18251A1722	Accenture	C10965596, 30/04/2022
16	R Sai Keerthana	18251A1723	Persistent Systems	Persistent/Campus/1527541/3.0, 14/01/2022
17	Pragnya Sree Sama	18251A1724	State Street	14/01/2022
18	Seepelly Alekya	18251A1725	Wipro	04/02/2022
19	Summaiya Mehveen	18251A1726	Accenture	C10965771, 30/04/2022
20	T.Jyothi	18251A1727	Optum	18/07/2022
21	M. Sushmitha	18251A1729	Wipro	25/01/2022
22	B.Aruna	18251A1732	Tech Mahindra	2053740 / ELTP-CAMPUS / 2022, 20/06/2022
23	Chennuri Namratha	18251A1735	Persistent Systems	Persistent/Campus/1532414/3.0, 21/01/2022
24	Garlapati Vinusha	18251A1738	Telstra	22/06/2022
25	K Sharanya	18251A1740	Cognizant	19927552, 28/01/2022
26	K Bhuvaneshwari Reddy	18251A1741	Ford	61244BR, 23/07/2022
27	Shivani Kadem	18251A1742	Deloitte	01/08/2022
28	Inala Sai Pranavi	18251A1743	Accenture	C10965602, 30/04/2022
29	Kota Sumegha Naidu	18251A1744	Cognizant	19927543, 28/01/2022
30	M Apoorva Sruthi	18251A1746	Bosch	TN/56513/2022, 14/05/2022
31	N.Vaishnavi	18251A1747	Cognizant	19927537, 28/01/2022
32	N.Roshitha	18251A1748	CGI	09/06/2022
33	L. Sai Srivalli	18251A1751	Deloitte	01/08/2022

34	Thumula Madhu Chandana	18251A1753	State Street	16/06/2022
35	Syeda Shifa Fatima	18251A1756	Accenture	C10965606, 30/04/2022
36	V.Naimisha	18251A1759	Deloitte	01/08/2022
37	Thanmayee Yeluri	18251A1760	Accenture	C10965601, 30/04/2022
38	Vns Sri Harshitha P	19255A1701	Accenture	C10965611, 30/04/2022
39	S.Lakshmi Pranathi	19255A1702	Infosys	HRD/3T/10033337066/22-23, 01/07/2022
40	Raparathi Sankeerthana	19255A1703	Wipro	21/01//2022
41	Kumudini	19255A1704	Colruyt	23/05/2022
42	Thurpu Bhavani	19255A1706	CGI	09/06/2022
43	Vaishnavi B V	18251A1703	Genpact India Private Limited	HIG010502-5647127, 20/01/2023
44	Nikhitha Gannarapu	18251A1734	GUS Education (India) LLP	17/05/2023
45	Shreesha	18251A1755	Wipro	25/01/2023
46	Sandra Joshna	18251A1754	Cintap India Pvt. Ltd.	EOL/50007, 04-03-2022

Assessment Year : 2020-21 (CAYm3)

S.No	Student Name	Enrollment No	Employee Name	Appointment No
1	Arava Sri Rathna Mahi	17251A1701	TCS	TCSL/DT20206546000, 25/06/2021
2	Bandi Greeshma	17251A1703	TCS	TCSL/CT20203316884, 11/01/2021
3	Sravani Donthi	17251A1705	Accenture	C9746261, 11/06/2021
4	ENSS Anjana	17251A1706	Accenture	C9329445, 25/03/2021
5	Gajawada Prathyusha	17251A1707	Accenture	C10221455, 07/10/2021
6	I.Sai Spandana	17251A1710	Sonata Software	SSSL/HR/APPT, 22/10/2021
7	Kruthika Kanduri	17251A1715	Accenture	C10221978, 07/10/2021
8	Lakkaraju Sree Preethi	17251A1718	Accenture	C10401395, 01/12/2021
9	M. Sreya	17251A1719	Infosys	HRD/1001715407, 16/07/2021
10	Malikireddy Maanvitha	17251A1720	Deloitte	8/23/2021
11	Narra Hansika	17251A1721	Accenture	C10313078, 05/11/2021
12	Swathi Mengji	17251A1727	Deloitte	8/24/2021
13	Valike Nikitha	17251A1729	CAPGEMINI	4850083/912392, 22/08/2021
14	Divya Vempati	17251A1730	Accenture	C9746258, 12/07/2021
15	Avancha Sai Padma	17251A1731	TCS	TCSL/CT20203224228, 11/01/2021
16	B.Lakshmi Gnanitha	17251A1732	L&T	LTTS-Mysore/HR/339267, 24/09/2021
17	Bharani Sripriya Vemula	17251A1733	Accenture	C9329446, 25/03/2021
18	D. Rachitha	17251A1734	Accenture	C9329449, 25/03/2021
19	K. Lakshmi Kiran	17251A1737	TCS	TCSL/CT20203257800, 02/09/2021
20	Lakkireddy Tejaswini	17251A1738	Accenture	C10079025, 07/09/2021
21	M Durga Neha Chandana	17251A1740	L&T	LTTS-Mysore/HR/339267, 24/09/2021
22	M.Sai Nithya	17251A1741	TCS	TCSL/CT20203253561, 11/01/2021 Macha Soujanya 17251A1742 Accenture C9319920 25/03/2021
23	Macha Soujanya	17251A1742	Accenture	C9319920, 25/03/2021
24	Mara Vaibhavi	17251A1743	IBM	30/09/2021
25	Minnalla Sai Likhitha	17251A1744	Deloitte	24/08/2021
26	Mohammad Ammara Mahavish	17251A1745	L&T	LTTS-Mysore/HR/339267, 24/09/2021
27	N. Harika	17251A1746	Deloitte	27/08/2021
28	Rithika Macherla	17251A1751	BA CONTINUUM PVT LTD	16/09/2021
29	Sirnam Shruthika	17251A1754	Deloitte	24/08/2021
30	Sravya Patnaik	17251A1755	Accenture	C9752198, 13/07/2021
31	Sreeja kamishetty	17251A1756	TCS	TCSL/DT20206722591, 12/08/2021
32	Sunkireddy Sowmya	17251A1757	Accenture	C9746139, 12/07/2021
33	Susarla Alekhya	17251A1758	Accenture	C9746153, 12/07/2021

34	Hima Bindu Talluri	17251A1760	Skerion Renewable Energy pvt.ltd	19/05/2023
35	Neeraja Akhila Thodupunuri	17251A1728	TCS	TCSL/DT20206854596/Trivandrum, 17/11/2021
36	Karishma Shaik	17251A1752	Capgemini	3625322/1099685, 21/12/2021
37	Shashanka Oruganti	17251A1747	Amazon India	04/05/2022
38	Jukanti Navya	17251A1711	Wipro	27/09/2021
39	Yamini Sanka	18255A1701	VAICS Consulting Pvt. Ltd.	13/02/2024
40	Govada Shelcy	17251A1735	Infosys	HRD/3T/1002079156/21-22, 13/12/2021

4.5 Professional Activities (20)

Total Marks 20.00

4.5.1 Professional societies/chapters and organizing engineering events (5)

Institute Marks : 5.00

A. Availability & activities of professional societies/chapters**B. Number, quality of engineering events (organized at institute)**

(level – Institute/National/International)

Table B.4.5.1.a: Professional Societies of ETE Department

S.No.	Professional Society
1	ISTE Student Chapter
2	IETE Student Forum (GNITS- ISF)
3	IEEE Student Branch (GNITS STB 64991)

ISTE Student Chapter

The **Indian Society for Technical Education (ISTE)** is a national, professional, non-profit making society registered under the Societies Registration Act of 1860. The mission of society is formulating and implementing the responsibilities and objectives of technical education. The major objectives of ISTE is to develop top quality professional engineers & technicians needed by the industries and other organizations. It is the only national organization of educators in the field of engineering and technology. The Ministry of human resource development and state government are well associated with ISTE programs relating to technical education.

ISTE (International Society for Technology in Education) Student Chapter refers to a student-led organization affiliated with the International Society for Technology in Education. ISTE is a global organization that focuses on advancing technology in education and providing resources, networking opportunities, and professional development for educators.

ISTE Student Chapter of G. Narayanamma Institute of Technology & Science, Shaikpet, is established in the year **2002** which is run by students with the support of faculty advisors, to make the student community to actively participate in ISTE activities to provide a common platform for students to exhibit their talent which helps their career development. Students of all the branches who join GNITS in the I year of B. Tech course are members of ISTE professional body and their membership fees is paid by the management. ISTE Student Chapter aim to promote the use of technology in education, foster collaboration among students interested in educational technology, and provide a platform for sharing ideas and experiences.

Activities organized by GNITS ISTE Students Chapter include Technical Paper/Poster presentations, workshops, seminars, conferences, Guest Lectures, and collaborative projects that explore the integration of technology in teaching and learning. Members of these chapters often have the opportunity to engage with experts in the field, participate in hands-on learning experiences, and contribute to the broader conversation about the role of technology in education.

Impact on Students:

- **Professional Development:** Offering workshops, seminars, and certifications to enhance technical skills.
- **Networking Opportunities:** Connecting students with professionals and industry experts through conferences.
- **Skill Enhancement:** Focusing on both technical and soft skills crucial for career success.
- **Exposure to Industry Trends:** Providing insights into current industry practices through guest lectures and industrial visits.
- **Competitions and Events:** Encouraging innovation and excellence through technical competitions.
- **Research and Innovation:** Promoting research projects and offering opportunities for publication.
- **Career Guidance:** Facilitating job fairs, counselling services, and fostering community engagement.
- **Leadership and Soft Skills:** Offering leadership opportunities and promoting teamwork.
- **Continuous Learning:** Keeping students updated on the latest developments in their field through publications.



Figure B.4.5.1.a: ISTE Committee Constitution Office Order

Table B.4.5.1.b: Summary of ISTE Student Chapter Events conducted during Last 4 Academic Years

Academic Year	Technical Fest	Total No. of Student Participants
2022-23	IGNIUM 2K22 Silver Jubilee Celebrations	50
2021-22	IGNIUM 2K22	53
2020-21	**Due to Lock down and Covid Restrictions IGNIUM Technical Fest was not Conducted	
2019-20	IGNIUM 2K20	115

Table B.4.5.1.c: Summary of ISTE Student Chapter Events conducted during Academic Year 2022-23

S.No.	Technical Fest	Date	Name of the Event	No. of Participants	Relevance of PO's and PSO's
1	IGNIUM 2K22 Celebrations	26/11/2022	Paper Presentation	14	PO1,PO2,PO3, PO4, PO8, PO9, PO10, PSO1 & PSO2
			Poster Presentation	9	PO1,PO2,PO3, PO4, PO8, PO9, PO10, PSO1 & PSO2
			Project Expo	12	PO1 - PO12, PSO1 & PSO2
			Debugging	15	PO1 - PO12, PSO1 & PSO2
Total Participations				50	



Figure B.4.5.1.b: Paper Presentation by ETE students in IGNIUM 2K22



Figure B.4.5.1.c: Poster Presentation by ETE Students in IGNIUM 2K22

Table B.4.5.1.d: Summary of ISTE Student Chapter Events conducted during Academic Year 2021-22

S.No.	Technical Fest	Date	Name of the Event	No. of Participants	Relevance of PO's and PSO's
1	IGNIUM 2K22	18/06/2022	Paper Presentation	16	PO1,PO2,PO3, PO4, PO8, PO9, PO10, PSO1 & PSO2
			Project Expo	19	PO1 -PO12, PSO1 & PSO2
			Criss Crossword	18	PO1,PO2 PSO1&PSO2
Total Participations				53	



Figure B.4.5.1.d: Paper Presentation by ETE students in IGNIUM 2K22



Figure B.4.5.1.e: Project Expo by ETE students in IGNIUM 2K22

Table B.4.5.1.e: Summary of ISTE Student Chapter Events conducted during Academic Year 2019-20

S.No.	Technical Fest	Date	Name of the Event	No. of Participants	Relevance of PO's and PSO's
1	IGNIUM 2K20	06/03/2020	Paper Presentation	20	PO1,PO2,PO3,PO4,PO8, PO9,PO10, PSO1 & PSO2
			Poster Presentation	25	PO1,PO2,PO3,PO4,PO8, PO9, PO10,PSO1 & PSO2
			Project Expo	32	PO1 - PO12, PSO1 & PSO2
			Quizzard	14	PO1,PO2 PSO1&PSO2
			Techtonics	14	PO1,PO2,PO3,PO4,PO8, PO9, PO10,PSO1 & PSO2
			Criss-Cross Collapse	10	PO1,PO2 PSO1&PSO2
Total Participations				115	



Figure B.4.5.1.f: Poster Presentation by ETE students in IGNIUM 2K20

IETE Student Forum

The **Institution of Electronics and Telecommunication Engineers (IETE)** is India's leading recognised professional society devoted to the advancement of Science and Technology of Electronics, Telecommunication & IT. Founded in 1953. The IETE is the National Apex Professional body of Electronics and Telecommunication, Computer Science and IT Professionals. It serves corporate members, Student and ISF members through various Centres, spread all over India and abroad. The Institution provides leadership in Scientific and Technical areas of direct importance to the national development and economy. Government of India has recognised IETE as a Scientific and Industrial Research Organization (SIRO) and also notified as an educational Institution of national eminence.

IETE Student Forum of G. Narayanamma Institute of Technology & Science, Shaikpet, was established in the academic year 2003 with the aim of encouraging active participation in IETE activities and enhancing students technical and communication skills to facilitate their career development.

Impact on Students:

- **Promoting Technical Awareness:** Raise awareness and interest among students in the field of electronics and telecommunication through technical sessions, workshops, and seminars.
- **Enhancing Skills:** Provide a platform for students to enhance their technical skills, including hands-on experience with the latest technologies and tools.
- **Encouraging project development:** students are encouraging to participate in project Expos, hackathons, and competitions to explore new ideas.
- **Facilitating Networking:** Create opportunities for students to connect with professionals, experts, and peers in the industry, promoting networking and collaboration.
- **Career Development:** Offer resources and guidance to help students with career planning through mock interviews and skill development programs.
- **Soft Skills Development:** Conduct paper/ poster presentations, coding challenge, workshops and activities to improve communication skills, coding skills, teamwork, leadership, and other soft skills essential for professional success.
- **IETE Membership Promotion:** Encourage students to become members of IETE and actively participate in IETE activities at both the student and professional levels.
- **Continual Learning:** Facilitate continuous learning by organizing webinars, lecture to keep students updated on advancements in technology.



Figure B.4.5.1.g: IETE Office Orders by GNITS

Table B.4.5.1.f: Summary of IETE Student Forum Events conducted during Last 4 Academic Years

Academic Year	Technical Events	Total No. of Student Participations
---------------	------------------	-------------------------------------

2023-2024	Mock interview	267
	Tech Eco Ganesha	
	Technical quiz	
	Seminar on Navigating Your Future: Career Opportunities After B.Tech	
	Seminar on AI for Engineering Applications.	
	Seminar on Campus to corporate Journey.	
	Seminar Current Trends in Verifying Complex Chips	
	Drone Technology in Architecture Education	
	Seminar on "Innovate using Emerging Technologies"	
2022-2023	Tech codo puzz	132
	Technical quiz	
	Seminar on Engineering Applications with Embedded Systems.	
	Industrial visit to ATC AAI - Shamshabad	
	Industrial visit to National Remote Sensing Centre (NRSC) - Jeedimetla	
2021-2022	Technical quiz	125
	Mock interview	
	Paper presentation	
	Poster presentation	
	Industrial visit to Kwality Photonics	

Table B.4.5.1.g: Summary of IETE Student Forum Events conducted during Academic Year 2023-24

S.No.	Name of the Event	Date	No. of Participants	Relevance of PO's and PSO's
1	Mock interview	15/07/2023	6	PO1 - PO12 PSO1 & PSO2
2	Seminar on Current Trends in Verifying Complex Chips	19/08/2023	47	PO1, PO2, PO3,PO4,PO5, PO6, PO7, PSO1 & PSO2
3	Seminar on "Innovate using Emerging Technologies"	22/08/2023	4	PO1, PO2, PO3, PO5, PO6, PO7, PSO1 & PSO2
4	Tech Eco Ganesha	15/09/2023	12	PO1, PO2, PO3,PO5, PO6, PSO1 & PSO2
5	Technical quiz	06/10/2023	50	PO1,PO2 PSO1&PSO2
6	Seminar on Navigating Your Future: Career Opportunities After B.Tech	18/10/2023	54	PO1, PO2, PO3, PO5, PO6, PO7, PO10, PSO1 & PSO2

7	Project Expo		60	PO1 - PO12, PSO1 & PSO2
8	Drone Technology in Architecture Education	04/11/2023	32	PO1, PO2, PO3, PO5, PO6, PO7, PSO1 & PSO2
9	Seminar on AI for Engineering Applications	22/11/2023	2	PO1, PO2, PO3, PO5, PO6, PO7, PSO1 & PSO2
Total no. of Participants			267	



Figure B.4.5.1.h: Mock interview by ETE Alumni



Figure B.4.5.1.i: Seminar on Current Trends in Verifying Complex Chips by Sri V. Pratyusha, Lead ASIC Verification Engineer at Moschip Semiconductors



Figure B.4.5.1.j: Seminar on AI for Engineering Applications by Dr. Monalisa Pal, Senior Education Engineer, Mathworks, Kolkata



Figure B.4.5.1.k: Seminar on Campus to corporate Journey by C. Yuktesh, Director academic initiative, Smart Bridge, Hyderabad



Figure B.4.5.1.i: Seminar on Navigating Your Future: Career Opportunities After B.Tech by Mani Mohan Trinath, Trainer, Senior Faculty ACE engineering academy, Hyderabad



Figure B.4.5.1.m: One Day workshop on Drone Technology in Architecture Education by India Drone Academy Hyderabad



Figure B.4.5.1.n: Project Expo by ETE students under IETE

Table B.4.5.1.h: Summary of IETE Student Forum Events conducted during Academic Year 2022-23

S.No.	Name of the Event	Date	No. of Participants	Relevance of PO's and PSO's
1	Seminar on Engineering Applications with Embedded Systems.	09/02/2022	47	PO1, PO2, PO3, PO5, PO6, PO7, PSO1 & PSO2
2	Technical quiz	18/11/2022	60	PO1, PO2 PSO1&PSO2
3	Tech codo puzz	09/12/2022	10	PO1, PO2, PO3, PO4 PSO1&PSO2
4	Industrial visit to ATC AAI - Shamshabad	18/03/2023 & 27/03/2023	5	PO1,PO2,PO3,PO4 PO5, PSO1 & PSO2

5	Industrial visit to National Remote Sensing Centre (NRSC) - Jeedimetla	29/03/2023	10	PO1,PO2,PO3,PO4 PO5, PSO1 & PSO2
Total Participations			132	



Figure B.4.5.1.o: Seminar on Engineering Applications with Embedded Systems by Bhasker Devaraya, Pream Kumar. J, Pam Kumar. V, Vijay Dhev. B, PVR Tech hub



Figure B.4.5.1.p: Students participation in Technical quiz under IETE



Figure B.4.5.1.q Students participation in Tech codo puzz under IETE



Figure B.4.5.1.r: Industrial visit to ATCAA1 – Shamshabad



Figure B.4.5.1.s: Industrial visit to National Remote Sensing Centre (NRSC) – Jeedimetla

Table B.4.5.1.i: Summary of IETE Student Forum Events conducted during Academic Year 2021-22

S.No.	Name of the Event	Date	No. of Participants	Mapping PO's and PSO's
1	Technical quiz	25/09/2021	30	PO1, PO2 PSO1&PSO2
2	Mock Interview	23/10/2021	20	PO1 - PO12,PSO1& PSO2
3	Industrial visit to Kwality Photonics	05/01/2022 & 06/01/2022	50	PO1 - PO12,PSO1& PSO2
4	Hardware Design Test	13/12/2021	15	PO1, PO2,PO3,PO4,PO5, PSO1 & PSO2
5	Poster Presentation	08/04/2022	10	PO1,PO2,PO3, PO4, PO8, PO9, PO10, PSO1 & PSO2
Total Participations			125	



Figure B.4.5.1.t: Industrial visit to Kwality Photonics

IEEE Student Chapter

IEEE (Institute of Electrical and Electronics Engineers) is a professional association that is dedicated to advancing technological innovation and excellence for the benefit of humanity. It is the world's largest technical professional organization, with over 400,000 members in over 160 countries. IEEE provides a platform for professionals to network, collaborate, and share knowledge in their respective fields. It also publishes journals, magazines, and conference proceedings that are highly cited and respected in the scientific community.

IEEE Student branch of G. Narayanamma Institute of Technology and Science (GNITS) was established in 2018 and has been a great platform for students to learn, network, and grow in their respective fields.

Student Branch ID: GNITS STB 64991

Chapters of IEEE SB GNITS:

1. Women in Engineering (WiE) Affinity Group:

Established in 2018, IEEE Women in Engineering (WIE) is a global network of IEEE members and volunteers dedicated to promoting women engineers and scientists and inspiring girls around the world to follow their academic interests in a career in engineering and science. WIE is one of the worlds leaders in changing the face of engineering, with a global network of 45,000 members worldwide in an effort to advance women in technology. It also sponsors publications, conferences, and events, and networking opportunities.

2. Industrial Electronics Society (IES) Chapter:

Date of Establishment: 8th November 2022

The Industrial Electronics Society (IES) is a technical sub-group of IEEE that is dedicated to the application of electronics and electrical sciences for the enhancement of industrial and manufacturing processes. The activities include the latest developments in intelligent and computer control systems, robotics, factory communications and automation, flexible manufacturing, data acquisition and signal processing, vision systems, and power electronics.

3. SENSORS Council:

Date of Establishment: 8th November 2022

The IEEE Sensors Council is a professional organization that focuses on the theory, design, fabrication, manufacturing, and application of devices for sensing and transducing physical, chemical, and biological phenomena, with an emphasis on the electronics, physics, and reliability aspects of sensors and integrated sensor-actuators. The council provides a wide range of activities, including WiE, Young Professionals, Standards Activity, Industry Liaisons, Diversity and Inclusion, etc.

4. Power Electronics Society (PELS) Chapter:

Date of Establishment: 28th April 2023

IEEE Power Electronics Society (PELS) organizes technical activities through its Technical Committees (TC's), which are active in all of the Societys activities and participate in activities such as the latest developments in intelligent and computer control systems, robotics, factory communications and automation, flexible manufacturing, data acquisition and signal processing, vision systems, and power electronics.

Achievements of IEEE SB GNITS

IEEE SB of G. Narayanamma Institute of Technology and Science (GNITS) governed by its EXCOM members is a student chapter of IEEE that provides a platform for students to learn, network, and grow in their respective fields. The chapter organizes various activities such as guest lectures, workshops, hackathons, and competitions that help students develop their technical and soft skills. One of the many competitions organized by IEEE SB of GNITS is VIDYOUTH, an annual event that encourages students to showcase their skills and knowledge in various competitions. The event includes an Olympiad, paper and poster presentation contests.

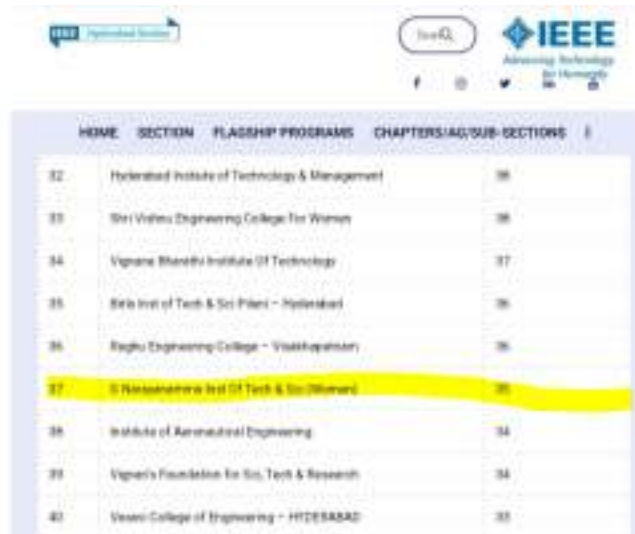
In 2023, over 250 students participated in the event, making it a grand success. The Student Branch has also hosted guest speakers such as Anuradha Vattem from Smart City Labs at IIIT-H and P Bala Prasad (Chief Innovation Officer at TCS), who shared their knowledge and experiences with the students. The students have also been given a unique platform to enhance their technical skills by providing them with the opportunity to participate in global hackathons such as IEEE Xtreme, a 24-hour global coding contest. The SB has also undertaken various humanitarian activities and has helped students get acquainted students to the industry by organizing various industrial visits to organizations like Airports Authority of India (AAI), Hyderabad and International Advanced Research Centre for Powder Metallurgy and New Materials (ARCI).

The SB on the occasion of IEEE Day has also organized various stalls that aimed to raise awareness about sustainability and help students make their college life more memorable. One of the stalls was a natural ink stall, which was a huge hit among the students. The event also included GDs that helped students improve their communication skills. Overall, IEEE SB of GNITS has been a great success and has helped students learn, grow, and succeed in their respective fields.

Table B.4.5.1.j: IEEE SB GNITS EXCOM Members 2023-24

Name of the Member	Position
Dr. K Ramesh Reddy	Principal
Dr. N Malla Reddy	SB Mentor
Dr. Renuka Devi S M	SB Coordinator
Dr. Himabindu T	SB Counsellor, IES Faculty Advisor
Dr. C. Padmaja	Sensors Council Faculty Advisor
Mrs. K. Swarna Latha	PELS Faculty Advisor

Mrs. B. Amrita	Group Challan, Web Master
Mrs. D. Vandana	Membership Development Committee (MDC) Chair
Mrs. G. Madhavi	Financial advisor, Minutes of Meeting in charge
Mrs. K. Pranathi	Public relations and Content Writing
Nasira Banu	Chair
V. Nanditha Reddy	Vice - Chair
C. Madhuri	Secretary
G. Jhansi Laxmi	Treasurer
K. Sahithi	PR Head
Ch. Poojitha	PR Co-Head
S. Meenakshi	Content Writing and Designing Head
Pranavya Akula	Content Writing and Designing Co-Head
B. Sri Vaishnavi	Photography Head
B. Usha Sri Chowdary	Photography Co-Head



Event/Date	Program	Organizing Panel	Co-organizing Unit/Institution	Cooperatively Organized	Co-organizing Unit/Institution	Registration Code
05 January 2021	IC	Hyderabad Section	Sri Narayana Inst of Tech & Sci (NWE)	Women in Engineering	Student Branch Activity Group	SBAG4009
09 November 2021	IS	Hyderabad Section	Sri Narayana Inst of Tech & Sci (NWE)	Industrial Electronics Society	Student Branch Chapter	SBC46181
10 November 2021	IC	Hyderabad Section	Sri Narayana Inst of Tech & Sci (NWE)	Seniors Council	Student Branch Chapter	SBC46181

Figure B.4.5.1.u: IEEE Section and society Groups under GNITS

Table B.4.5.1.k: Summary of IEEE SB Events conducted during last 5 Academic Years

Academic Year	Name of the Event	Total No. of Student Participations
2023-24	PELS Distinguished Lecture	11
	ECOSHE Summit	
	PES Global Workshop	
	Humanitarian Activity	
	IEEE Day Celebrations	
	IES (Industrial Electronics Society) Industrial Visit	
	Latest Trends in Battery Energy Storage Systems	
	AI and Human Intelligence	
	Building blocks of Smart Cities	
	IEEE Excom Meeting	
	IEEE Membership benefits Alumnae talk	
	IEEE Excom Meeting	
	IEEE Excom Meeting	
2022-23	VIDYOUTH'23 1. Poster presentation 2. Olympiad 3. Paper presentation	27
	Opportunities on being IEEE Member & present Industry requirements	
	AMPHITECH (1.Web Speed, 2.Techdiz, 3.Tech Artistry, 4.Techflyer, 5.Physhoot)	
	A Plug and Play Operational Approach for implementation of an Autonomous-Micro-Grid Systems	
	Web Applications Hacking (2-days hands-on workshop)	
2021-22	Digital wellness	16
	STAR Program	
	GATEWAY- An ultimate guideline to crack gate (ONLINE EVENT)	

Table B.4.5.1.l: Summary of IEEE SB Events conducted during Academic Year 2023-24

S.No.	Name of the Event	Date	No. of Participants	Mapping PO's and PSO's
1.	ECOSHE Summit	02-12-23	1	PO1, PO2, PO3, PO5, PO6, PO7, PSO1 & PSO2

2. 1.	PES Global Workshop	24-11-2023 & 25-11-2023	1	PO1, PO2, PO3, PO5, PO6, PO7, PSO1 & PSO2
3. 2.	Technical Talk on AI and Human Intelligence	15-09-2023	5	PO1, PO2, PO3, PO5, PO6, PO7, PSO1 & PSO2
4. 3.	IEEE Membership benefits Alumnae talk	10-08-2023	4	PO6, PO7
Total Participations			11	



Figure B.4.5.1.v: An IEEE WIE R10 ECOSHE Summit by GNITS SB under IEEE



Figure B.4.5.1.w: R10 PES Indian Chapters Annual Global Workshop on Smart Technologies in Power & Energy Systems under IEEE PES Hyderabad



Figure B.4.5.1.x: A thought-provoking talk on AI and Human Intelligence by Mr. Sai Kumar Tara, Chairman, Student Activities Committee, under IEEE Hyderabad Section



Figure B.4.5.1.y: IEEE Membership Benefits Alumnae talk by IEEE GNITS Alumnae 2019 batch, under IEEE

Table B.4.5.1.m: Summary of IEEE Student Chapter Events conducted during Academic Year 2022-23

S.No.	Name of the Event	Date	No. of Participants	Mapping PO's and PSO's
1.	VIDYOUTH '23 2. Olympiad	16-06-2023	9	PO1,PO2,PO3,PO8,PO9,PO10, PSO1 & PSO2
2.	Opportunities on being IEEE Member & present Industry requirements	03-12-2022	18	PO1,PO5, PO6, PO7, PSO1 & PSO2
Total Participations				27



Figure B.4.5.1.z: VIDYOUTH '23 conducted by IEEE SB GNITS

Table B.4.5.1.n: Summary of IEEE Student Chapter Events conducted during Academic Year 2021-22

S.No.	Name of the Event	Date	No. of Participants	Relevance of PO's and PSO's
1.	STAR Program (Enkindling Career)	16-03-2022	1	PO1, PO2,PO3,PO8,PO9,PO10, PSO1 & PSO2
2.	GATEWAY- An ultimate guideline to crack gate	10-07-2021	15	PO1,PO2,PO6, PO7,PSO1 & PSO2
Total Participations			16	

4.4.2 Publication of technical magazines, newsletters, etc. (5)

Institute Marks : 5.00

A. Quality & Relevance of the contents and Print Material (3)**B. Participation of Students from the program (2)**

"SPOORTHI," a technical magazine from the Electronics and Telematics department, delves into a broad spectrum of technology subjects from electronics, telecommunications to artificial intelligence. Geared toward professionals, students, and enthusiasts alike, it serves as a comprehensive resource offering insights and trends. By covering the latest advancements and emerging trends in the tech industry, "SPOORTHI" ensures its readers stay informed and inspired.

Table B.4.5.2.a: Details of technical magazines of ETE Department





S.No.	Name of the Magazine	Year	Month	Volume No	Editor-in-Chief, Co-Editor	The Editorial Board	Magazine First page Proof
1	SPOORTHI	2024	January	4	Dr. A. Naveena, K. Pranathi	N. Manasa ETE-3/4, R. Amruthavarshini ETE-3/4, K. Sindhura ETE-3/4, P. Yuktha Laasya ETE-2/4, M. Nikitha ETE-2/4, P. Bhanu Priya ETE-2/4.	
2	SPOORTHI	2023	January	3	Dr. A. Naveena, K. Pranathi	B. Kalyani ETE-3/4, Ch. Ojaswi ETE-3/4, Arshiya ETE-3/4, K. Deepa ETE-2/4, M. Pragya Tejasri ETE-2/4, K. Sai Sreshtha ETE-2/4.	
3	SPOORTHI	2022	January	2	Dr. A. Naveena, Mrs. M. Jyothsna	T. Akhila Reddy ETE-3/4, N. Abhigna ETE-3/4, M. Veena ETE-3/4, B. Kalyani ETE-2/4, Ch. Ojaswi ETE-2/4, Arshiya ETE-2/4.	
4	SPOORTHI	2021	January	1	Dr. A. Naveena, Mrs. M. Jyothsna	T.A.S.S.Manvita ETE-3/4, G. Vinusha ETE-3/4, Fareeha Hameed ETE-3/4, T. Akhila Reddy ETE-2/4, N. Abhigna ETE-2/4, M. Veena ETE-2/4.	

Table B.4.5.2.b: Publications of ETE student's in technical magazines

SPOORTHI 2024

S.No	Roll No	Name Of The Student	Year	Title Of The Publications
1.	21251A1743	Kola Deepta	III ETE	Big Data Intervention in Power Electronic Systems
2.	21251A1744	Konda Sindhura	III ETE	AI/ML Applications in VLSI Technology
3.	21251A1756	Sai Sreshta Kondakindi	III ETE	Unlocking the Potential of Virtual Keyboard Technology
4.	21251A1755	Reddygari Amruthavarshini	III ETE	Understanding and Mitigating DDoS Attacks
5.	21251A1751	Neelam Manasa	III ETE	The Rise of Datafication Technology: Unlocking Insights in a Digital Age
6.	21251A1729	Swetha Sivakumar	III ETE	Evolution from 1G to 5G
7.	21251A1760	Midde Pragya Teja Sri	III ETE	Securing Underwater Wireless Communication Networks
8.	21251A1765	Kalali Chethana	III ETE	IMouse: Integrated Mobile Service and Wireless Sensor System
9.	21251A1715	Kopalley Mahima	III ETE	Technologies in Deep Space Communication Exploring the Cosmos: How We Talk to Spacecraft
10.	22251A1707	Choppari Sai Harsha	II ETE	Unveiling the Power of Quantum Computing: A Leap into the Future
11.	22251A1701	A Lakshmi Kavya	II ETE	Unleashing the Power of Cloud Computing: Revolutionizing the Digital Landscape
12.	22251A1705	Banothu Vijayanthi	II ETE	Biomedical Electronics: Advancements in Medical Devices and Healthcare Technology
13.	22251A1721	P Neha Reddy	II ETE	On-Board Diagnostics Using Telematics: Revolutionizing Vehicle Monitoring and Maintenance

14.	22251A1725	Reddy Spandana	II ETE	Telematics in Defense and Security
15.	22251A1733	Adi Gowri Tejaswini	II ETE	Revolutionizing Mobility: Wireless Communication Technologies for Vehicular Networks
16.	22251A1734	Alugula Hinduja	II ETE	Advancements in Robotics: Towards Intelligent and Adaptive Systems
17.	22251A1738	Dhondi Jugge Rishika	II ETE	Biodegradable Electronics: Pioneering Sustainability in the Digital Age
18.	22251A1760	Srivarsha Pochampally	II ETE	Smart Sensors and their Impact on Automotive Telematics
19.	22251A1719	Nomula Sreshta	II ETE	Beyond the Circuits: A Students Guide to the Electrifying World of Space Electronics
20.	22251A1748	Meghana Madipalli	II ETE	The Crucial Role of Telematics in Rocket Science and Space Exploration
21.	22251A1717	Mora Nikitha	II ETE	Exploring 6G Technology in Electronic and Telecommunication Engineering
22.	22251A1727	Srilakshmi Bhanupriya Penumarty	II ETE	Wireless Fidelity
23.	22251A1711,	Gujjula Sruthi	II ETE	Enhancing Road Safety Through Advanced Driver Assistance Systems (ADAS) in Telematics
24.	22251A1712	Jagerkal Siddhi Haarika	II ETE	Internet of Things (IoT) in the Digital Age

SPOORTHI 2023

S.No	Roll No	Name Of The Student	Year	Title Of The Publications
1.	20251A1733	Arshiya	III ETE	Fortifying Digital Frontiers: Navigating the Complexities of Network Security
2.	20251A1728	Yarrapothu Neha	III ETE	The Impact of Data Analytics on Everyday Life: From social media to Smart Devices
3.	20251A1704	Barigala Ananya Sree	III ETE	IoT and Smart Device Trends: What You Need to Know

4.	20251A1705	Bollineni Sahithi	III ETE	Emerging Trends in the Semiconductor Industry
5.	20251A1728	Yarrapothu Neha	III ETE	Introduction to Blockchain Technology
6.	21255A1706	Ponnala Sai Sharanya	III ETE	Network Function Virtualization
7.	20251A1703	B Lalithya	III ETE	5G Technology and its Implications
8.	20251A1706	Devaragatla Ramya Sri	III ETE	The Role of Drones in Modern Agriculture
9.	20251A1731	Aishwarya Rao	III ETE	Data Privacy Regulations and Compliance
10.	20251A1702	Ambati Bala Vijaya Nirmala	III ETE	Introduction to Robotic Process Automation (RPA)
11.	20251A1754	Syed Afifa Zohreen	III ETE	Green Electronics: Sustainable Practices in Manufacturing and Design
12.	21255A1704	Nekkalapudi Haveela	III ETE	From Vacuum Tubes to Silicon Chips: A Journey Through the History of Electronics
13.	20251A1711	Manideepa Kasula	III ETE	The Growing E-Waste Crisis: Understanding the Environmental Impact
14.	21255A1703	Nabi Unissa	III ETE	Optical Fiber Communication
15.	20251A1702	Ambati Bala Vijaya Nirmala	III ETE	The Role of Artificial Intelligence in Healthcare Industry
16.	21255A1703	Nabi Unissa	III ETE	Revolutionizing Wireless Networks: Exploring Cloud-RAN (C-RAN) and Virtualized Radio Access Networks
17.	21251A1722	N. Pragna	II ETE	Neuromorphing Computing
18.	21251A1725	P.V.L.K.S.S.Yasaswini	II ETE	Unveiling the cutting edge of Drone Technology
19.	21251A1727	Shaik Hajra Kausar	II ETE	Artificial Passenger

20.	21251A1705	D. Abhigna	II ETE	Haptic Technology
21.	21251A1726	S. Supriya	II ETE	Quantum Computing
22.	21255A1707	Karedi Suchithra	III ETE	Crypto Currency

SPOORTHI 2022

S.No	Roll No	Name Of The Student	Year	Title Of The Publications
1.	19251A1717	Dupakuntla Ruchitha	III ETE	Analysis of X-Ray Images with Image Processing
2.	19251A1724	Gajula Saisri	III ETE	IOT-Aided Charity: An Excess Food Redistribution Framework
3.	20255A1701	Bodigam Vaishnavi	III ETE	Evolutionary-based Hyperparameter Tuning in Machine Learning Models in Wind Turbines
4.	19251A1758	Turlapati Yamini	III ETE	Smart Cyber-Physical Systems
5.	20255A1706	Kathera Bhargavi	III ETE	NOMA system in 5G Networks
6.	19251A1757	Thirthala Sai Meghana	III ETE	A Lightweight Blockchain-Based Privacy Protection Surveillance at the Edge
7.	19251A1748	Penchala Anusha	III ETE	Deep Learning in Intrusion Detection Systems
8.	19251A1759	Gatti Sai Lalitha	III ETE	Unsupervised Machine Learning Methods for Artifact Removal in Electrodermal Activity
9.	19251A1718	Sai Anusha Dokka	III ETE	Privacy-Preserving Big Data Exchange: Models, Issues, Future Research Directions
10.	19251A1710	Boya Sonal	III ETE	Connecting Fog and Cloud Computing
11.	19251A1705	Amgoth Sandhya	III ETE	Neuromorphic Computing with Computation-in-Memory (CIM)

12.	19251A1732	K Raga Suma	III ETE	Artificial Intelligence with Deep Human Reasoning
13.	19251A1725	Gande Sneha	III ETE	Quantum Computer
14.	19251A1754	Sravya Jale	III ETE	Vision Sensing in Automotive and its Applications
15.	19251A1729	Harshita Gapti	III ETE	Smart Quill
16.	19251A1723	Gaddam Meghana	III ETE	Artificial Passenger
17.	19251A1737	Kocharla Karishma	III ETE	Optical Fiber
18.	19251A1749	Rithika S Nayak	III ETE	OLEDs (Organic Light Emitting Diodes)
19.	19251A1756	Turaka Charitha	III ETE	IBOC Technology
20.	19251A1750	Samala Vidya Reddy	III ETE	High Vth Ferroelectric Gate Stack GaN HEMT for Power Switching Applications

SPOORTHI 2021


S.No	Roll No	Name Of The Student	Year	Title Of The Publications
1.	18251A1716	M Sresta	III ETE	Unveiling the Science Behind Vehicle
2.	18251A1722	Poluru Joshna	III ETE	V2X Communication: Connecting the Future of Transportation
3.	18251A1732	B Aruna	III ETE	Illuminating the Future: Exploring LiDAR Technology in Modern Applications
4.	18251A1737	G Gagana Reddy	III ETE	Augmented Reality (AR): Bridging the Virtual and Physical Worlds
5.	18251A1755	Shreesha	III ETE	Advanced Driver Assistance Systems (ADAS): Paving the Way for Safer Roads

6.	18251A1740	K Sharanya	III ETE	Edge Computing: Revolutionizing Data Processing for the Modern World
7.	18251A1707	Fareeha Hameed	III ETE	Telematics-based insurance models
8.	18251A1708	G Hasitha	III ETE	Wireless Communication Standards: Evolution from 2G to 4G LTE and Wi-Fi
9.	18251A1718	N Nikitha	III ETE	NFC Technology - Revolutionising Connectivity in Electronics and Telematics
10	18251A1745	Medarapu Leha	III ETE	Outdoor Sensors and Telematics for Smart City Initiatives
11.	18251A1759	V Naimisha	III ETE	What is a Vehicle Telematics System ?
12.	19255A1705	Paga Anusha	III ETE	"Revolutionizing Connectivity: The Rise and Evolution of 5G Technology in Electronics and Telematics Until 2021"
13.	19255A1706	Thurpu Bhavani	III ETE	Exploring the Evolution of Technology and Telematics Until 2021

SANKETHIKA BHARATHI -COLLEGE NEWS LETTER

In response to the intense academic schedule and limited interaction between staff and students across disciplines, GNITS has introduced the biannual Newsletter, "Sankethika Bharathi." Released during College Day celebrations and the first-year induction program, the newsletter serves as a comprehensive source of information about college activities. Named to symbolize technological and scientific innovation, it aims to bridge the gap between academic fields, showcasing the achievements of GNITians in various domains including academics, culture, literature, placements, and sports. By highlighting current status, future developments, and the participation of both students and staff in developmental programs, Sankethika Bharathi fosters a sense of community and keeps members informed about the diverse talents and accomplishments within the college.

Table B.4.5.2.c: Details of College Newsletter SANKETHIKA BHARATHI

S.No.	Name of the Newsletter	Year	Month	Volume No.	Issue No.	Chief Editor, Convener, Department Coordinator	Newsletter First page Proof
1	Sankethika Bharathi, Biannual Newsletter	2023	March & August	21	39&40	Dr. P. Aparna, Dr. B.Sushma, Mrs. A. Sneha Keerthi	

2	Sankethika Bharathi, Biannual Newsletter	2022	March & August	20	37&38	Dr. P. Aparna, Dr. B.Sushma, Mrs. M. Jyothsna	
3	Sankethika Bharathi, Biannual Newsletter	2021	March & August	19	35&36	Dr. P. Aparna, Dr. B.Sushma, Mrs. M. Jyothsna	
4	Sankethika Bharathi, Biannual Newsletter	2019	July	17	32	Dr. P. Aparna, Dr. B.Sushma, Mrs. M. Jyothsna	
5	Sankethika Bharathi, Biannual Newsletter	2019	March	17	31	Dr. P. Aparna, Dr. B.Sushma, Mrs. M. Jyothsna	
6	Roots & Rhythms- Alumnae Newsletter	2023	Novem ber	1	1	Mrs. V. Jahnvi, Dr. B. Venkateshulu, Dr. A. naveena	

Table B.4.5.2.d: Details of college Special Newsletters

S.No.	Name of the Newsletter	Year	Chief Editor, Convener, Department Coordinator	Newsletter First Page Proof
-------	---------------------------	------	---	-----------------------------

1	Souvenir-Silver Jubilee Celebrations	2022	Dr. P. Aparna, Mrs. K. Swathi Mrs. M. Jyothsna	
2	Tu Turno-Coffee Table Book	2023	Mrs. V. Jahnvi, Mrs. P. Madhuri Dr. P. Sree Sudha	

4.4.3 Participation in inter-institute events by students of the program of study (10)

Institute Marks : 10.00

The ETE department students have participated in various inter-institute events organized within the state and outside the state and won prizes/awards.

Table B.4.5.3.a: Summary of participation of students in inter-institute events

S.No.	Academic Year	Events within the State		Events outside the state	
		No. of Students Participated	No. of Students Won Prize/Award	No. of Students Participated	No. of Students Won Prize/Award
1	2023-24	56	12	11	4
2	2022-23	23	4	13	3
3	2021-22	45	3	66	9
4	2020-21	25	6	78	10

4.5.3.A. Events within the state

Table B.4.5.3.b: Details of student participation in events with in the state

S.No.	Student Name / Roll No.	Name of the Event	Organized By	Date of the Event
2023-24				
1	Neelam Manasa 21251A1751	Project Expo	Mahatma Gandhi Institute of Technology, Hyderabad	21 st March 2024
2	Lahari Pasham 21251A1753	Project Expo	Mahatma Gandhi Institute of Technology, Hyderabad	21 st March 2024
3	Kondakindi Sai Sreshta 21251A1756	Project Expo	Mahatma Gandhi Institute of Technology, Hyderabad	21 st March 2024
4	Nadikattu Pragna 21251A1722	Project Expo	Mahatma Gandhi Institute of Technology, Hyderabad	21 st March 2024
5	Reddygari Amrutha Varshini 21251A1755	Project Expo	Mahatma Gandhi Institute of Technology, Hyderabad	21 st March 2024
6	N.Shreya Vandana 22251A1752	Poster Presentation, TECHKRITI 2024	Mahatma Gandhi Institute of Technology, Hyderabad	21 st March 2024
7	Neelam Manasa 21251A1751	Hacksavvy-24	Mahatma Gandhi Institute of Technology, Hyderabad	20 th – 21 st March 2024
8	Nadikattu Pragna 21251A1722	Hacksavvy-24	Mahatma Gandhi Institute of Technology, Hyderabad	20 th – 21 st March 2024

9	Reddygari Amrutha Varshini 21251A1755	Hacksavvy-24	Mahatma Gandhi Institute of Technology, Hyderabad	20 th – 21 st March 2024
10	Kondakindi Sai Sreshta 21251A1756	Hacksavvy-24	Mahatma Gandhi Institute of Technology, Hyderabad	20 th – 21 st March 2024
11	Lahari Pasham 21251A1753	Hacksavvy-24	Mahatma Gandhi Institute of Technology, Hyderabad	20 th – 21 st March 2024
12	B. Vasavi 21251A1701	Hacksavvy-24	Mahatma Gandhi Institute of Technology, Hyderabad	20 th – 21 st March 2024
13	Y. Krupany 21251A1730	Hacksavvy-24	Mahatma Gandhi Institute of Technology, Hyderabad	20 th – 21 st March 2024
14	M. Pragya Teja Sri 21251A1760	Hacksavvy-24	Mahatma Gandhi Institute of Technology, Hyderabad	20 th – 21 st March 2024
15	B. Malavika 21251A1736	Hacksavvy-24	Mahatma Gandhi Institute of Technology, Hyderabad	20 th – 21 st March 2024
16	D. Haritha 21251A1704	Hacksavvy-24	Mahatma Gandhi Institute of Technology, Hyderabad	20 th – 21 st March 2024
17	B. Satya sravani 21251A1735	Hacksavvy-24	Mahatma Gandhi Institute of Technology, Hyderabad	20 th – 21 st March 2024
18	K. Deepta 21251A1743	Hacksavvy-24	Mahatma Gandhi Institute of Technology, Hyderabad	20 th – 21 st March 2024
19	A. Shivani 21251A1761	Hacksavvy-24	Mahatma Gandhi Institute of Technology, Hyderabad	20 th – 21 st March 2024
20	K. Komali 22255A1702	Hacksavvy-24	Mahatma Gandhi Institute of Technology, Hyderabad	20 th – 21 st March 2024

21	Ch. Tejaswi 21251A1737	Hacksavvy-24	Mahatma Gandhi Institute of Technology, Hyderabad	20 th – 21 st March 2024
22	Chikile Naveena 21251A1738	Hacksavvy-24	Mahatma Gandhi Institute of Technology, Hyderabad	20 th – 21 st March 2024
23	S. Supriya 21251A1726	Hacksavvy-24	Mahatma Gandhi Institute of Technology, Hyderabad	20 th – 21 st March 2024
24	D. Chaitrika 21251A1739	Hacksavvy-24	Mahatma Gandhi Institute of Technology, Hyderabad	20 th – 21 st March 2024
25	Sk. Hajra Kausar 21251A1727	Hacksavvy-24	Mahatma Gandhi Institute of Technology, Hyderabad	20 th – 21 st March 2024
26	Namrata Mokshagundam 21255A1724	HACK4CHANGE @ CHARCHA'23	Google & thub, Hyderabad	24 th August 2023
27	Shahnaz Sakina 21251A1757	HACK4CHANGE @ CHARCHA'23	Google & thub, Hyderabad	24 th August 2023
28	Afifa Zohreen 20251A1754	National Level Technical Paper Contest (NTPC-2023)	IETE Hyderabad Centre	24 th September 2023
29	Nabi Unnisa 21255A1703	National Level Technical Paper Contest (NTPC-2023)	IETE Hyderabad Centre	24 th September 2023
30	B.Vasavi 21255A1701	Challenge ACI (48-hour Hackathon) in association with AICTE IDEALab and IEEE GRIET SB	GRIET, Hyderabad	6 th – 8 th October 2023
31	Y Krupany 21255A1730	Challenge ACI (48-hour Hackathon) in association with AICTE IDEALab and IEEE GRIET SB	GRIET, Hyderabad	6 th – 8 th October 2023
32	Syarvani Kota 21251A1745	MEGATHON'23	E-Cell, IIITH	28 th – 29 th October 2023
33	Namrata Mokshagundam 21255A1724	MEGATHON'23	E-Cell, IIITH	28 th – 29 th October 2023
34	Mahima Kopalley 21251A1715	MEGATHON'23	E-Cell, IIITH	28 th – 29 th October 2023
35	Meghana Kasula 21251A1720	MEGATHON'23	E-Cell, IIITH	28 th – 29 th October 2023

36	Swetha Sivakumar 21251A1729	MEGATHON'23	E-Cell, IIITH	28 th – 29 th October 2023
37	N. Haveela 21255A1704	Anveshana 2024 Science & Engineering Fair	Agastya International Foundation & Synopsis	28 th February – 1 st March 2024
38	Nabi Unnisa 21255A1703	Anveshana 2024 Science & Engineering Fair	Agastya International Foundation & Synopsis	28 th February – 1 st March 2024
39	B. Vasavi 21251A1701	24-hour National Level Design-A-Thon	VNRVJiet, Hyderabad	1 st – 2 nd March 2024
40	Y. Krupany 21251A1730	24-hour National Level Design-A-Thon	VNRVJiet, Hyderabad	1 st – 2 nd March 2024
41	M. Pragya Teja Sri 21251A1760	24-hour National Level Design-A-Thon	VNRVJiet, Hyderabad	1 st – 2 nd March 2024
42	Hansika Nadimetla 21251A1723	24-hour National Level Design-A-Thon	VNRVJiet, Hyderabad	1 st – 2 nd March 2024
43	Pragna Nadikattu 21251A1722	24-hour National Level Design-A-Thon	VNRVJiet, Hyderabad	1 st – 2 nd March 2024
44	Ankitha Ammu 21251A1733	24-hour National Level Design-A-Thon	VNRVJiet, Hyderabad	1 st – 2 nd March 2024
45	B. Sree Sowmya 22251A1759	Project Moel Demo Competition	IETE Hyderabad State	3 rd March 2024
46	N.Shreya Vandana 22251A1752	Project Moel Demo Competition	IETE Hyderabad State	3 rd March 2024
47	E. Swapna 22251A1710	2 nd State Level Sports Fest (AARAMBH'23) Kho-Kho	JBiet, Hyderabad	9 th and 10 th June 2023
48	M. Sharmila 22251A1746	WIE Congress 2023	Vardhaman College of Engineering, Hyderabad	22 nd September 2023
49	Reddy Spandana 22251A1725	WIE Congress 2023	Vardhaman College of Engineering, Hyderabad	22 nd September 2023
50	Nadia Shahreen 22251A1750	Mock Parliment	Rashtrapati Nilayam, Hyderabad	26 th November 2023
51	E. Swapna 22251A1710	TEJAS 2K23 Kho-Kho	Vardhaman College of Engineering	21 st – 23 rd December 2023
52	E.Prasuna 21251A1740	Trivia Quiz, GENOS'23	JNTUH UUGESTH	Sep 2023

53	K.Sindhura 21251A1744	Trivia Quiz, GENOS'23	JNTUH UUCESTH	Sep 2023
54	Mucharla Akhila 20251A1712	QUIZOHILIC 4.0 (online quiz competition)	IETE GCET, Hyderabad	27 th July 2023
55	Thatipalli Sowmya 20251A1724	QUIZOHILIC 4.0 (online quiz competition)	IETE GCET, Hyderabad	27 th July 2023
56	D,Abhijna 21251A1705	Trivia Quiz, GENOS'23	JNTUH UUCESTH	Sep 2023



Figure B.4.5.3.a: D. Haritha, B. Satya Sravani, K. Komali, A. Shivani, K. Deepta (From left to right) participated in Hacksavvy-24 at Mahatma Gandhi Institute of Technology, Hyderabad

2022-23

1	Kongarapi Aashamadhuri 21251A1714	HEXATHON 2023 (24-hour Hackathon)	HEXAGON, Hyderabad	30 th April 2023
2	L Jhansi Aakanksha 21251A1747	HEXATHON 2023 (24-hour Hackathon)	HEXAGON, Hyderabad	30 th April 2023
3	Thatipalli Sowmya 20251A1724	Idea Pitching Contest on Sustainability Development Goals	AnveshanA, Agastya Foundation, Hyderabad	20 th October 2022

4	Aishwarya Rao 20251A1731	Eco-Champions Hackathon	Telangana Pollution Control Board, Hyderabad	5 th June 2023
5	Arshiya Syed 20251A1733	Eco-Champions Hackathon	Telangana Pollution Control Board, Hyderabad	5 th June 2023
6	Gundapaneni Sai Pravallika 20251A1742	Eco-Champions Hackathon	Telangana Pollution Control Board, Hyderabad	5 th June 2023
7	Ishitha Doniparthi 20251A1737	Eco-Champions Hackathon	Telangana Pollution Control Board, Hyderabad	5 th June 2023
8	P Sanjana Reddy 20251A1716	Eco-Champions Hackathon	Telangana Pollution Control Board, Hyderabad	5 th June 2023
9	Nabi Unnisa 21255A1703	Eco-Champions Hackathon	Telangana Pollution Control Board, Hyderabad	5 th June 2023
10	Praharaju Indrani 20255A1702	Idea Pitching Contest on Sustainability Development Goals	AnveshanA, Agastya Foundation, Hyderabad	20 th October 2022
11	Kandle Meghana 20255A1704	Idea Pitching Contest on Sustainability Development Goals	AnveshanA, Agastya Foundation, Hyderabad	20 th October 2022
12	G. Pragna 19251A1728	Idea Pitching Contest on Sustainability Development Goals	AnveshanA, Agastya Foundation, Hyderabad	20 th October 2022
13	Meghana Kandle 20255A1704	MEGATHON 2022	E-Cell, IIITH	22 nd – 23 rd October 2022
14	P.Indrani 20255A1702	Techtopia – A Digital Dreamland (R & D and Start-Up Show Case)	Women In Leadership Conclave - The First Edition	8 th - 9 th March 2023
15	K.Meghana 20255A1704	SheSafe Tech Challenge	Women in Leadership Conclave 2023 and She Teams and Women Safety Wing, Telangana Police, Hyderabad.	9 th March 2023
16	Meghana Kasula 21251A1720	District Level Inter Engineering Badminton Tournament	Chaitanya Freedom Cup, CBIT, Hyderabad	19 th August 2022

17	Sai Harsha Choppari 22251A1707	SFC Model United Nations	St. Francis College for Women, Hyderabad	23 rd – 25 th February 2023
18	Meghana Kasula 21251A1720	Badminton	Phoenix'23, VJIT, Hyderabad	2 nd – 3 rd March 2023
19	Jhansi Akanksha 21251A1747	Anchoring Workshop and Auditions	Badruka Degree College, Hyderabad	5 th March 2023
20	Bommagani Vasavi 21251A1701	Webinar on “Overview and Insights to Cellular and Mobile Communication”	IETE, Hyderabad Centre	20 th November 2022
21	Krupany Yerragunta 21251A1730	Webinar on “Overview and Insights to Cellular and Mobile Communication”	IETE, Hyderabad Centre	20 th November 2022
22	Yerragunta Krupany 21251A1730	Webinar on “Internet of Things in Medical Applications”	IETE, Hyderabad Centre	25 th December 2022
23	M.Pragya Teja Sri 21251A1760	Webinar on “Internet of Things in Medical Applications”	IETE, Hyderabad Centre	25 th December 2022
2021-22				
1	Mucharla Akhila 20251A1712	Round 2 of C Language Contest – Code Pragnya (A National Level Coding Contests in C, C++, JAVA & PYTHON)	ACE Engineering College, Hyderabad	9 th April 2022
2	Preethi Patil 20251A1719	Annual Training Camp – III, National Cadet Corps	Bison Training Ground, Secun derabad	18 th – 24 th December 2021
3	S.Vathsalya 20251A1753	Rishi's National Level E-Quiz-2022	Rishi's Sports Club, Hyderabad	24 th January 2022
4	Khandesh Rashmika 20251A1744	Inspire Hyd One Day Career Excellence Programme	Kalam's Institute of Youth Excellence Foundation, Hyderabad	26 th March 2022
5	Boddu Sushma 20251A1735	Inspire Hyd One Day Career Excellence Programme	Kalam's Institute of Youth Excellence Foundation, Hyderabad	26 th March 2022
6	Palavarapu Joshitha 20251A1715	Inspire Hyd One Day Career Excellence Programme	Kalam's Institute of Youth Excellence Foundation, Hyderabad	26 th March 2022

7	Manideepa Kasula 20251A1711	Inspire Hyd One Day Career Excellence Programme	Kalam's Institute of Youth Excellence Foundation, Hyderabad	26 th March 2022
8	Devaragatla Ramya Sri 20251A1706	Inspire Hyd One Day Career Excellence Programme	Kalam's Institute of Youth Excellence Foundation, Hyderabad	26 th March 2022
9	N.Deetya Reddy 20251A1748	Inspire Hyd One Day Career Excellence Programme	Kalam's Institute of Youth Excellence Foundation, Hyderabad	26 th March 2022
10	Kurella Anusha 20251A1746	Inspire Hyd One Day Career Excellence Programme	Kalam's Institute of Youth Excellence Foundation, Hyderabad	26 th March 2022
11	Mamidipalli Varsha 20251A1747	Inspire Hyd One Day Career Excellence Programme	Kalam's Institute of Youth Excellence Foundation, Hyderabad	26 th March 2022
12	Shreya Konderi 20251A1752	Inspire Hyd One Day Career Excellence Programme	Kalam's Institute of Youth Excellence Foundation, Hyderabad	26 th March 2022
13	Woolichi Harshavalli 20251A1757	Inspire Hyd One Day Career Excellence Programme	Kalam's Institute of Youth Excellence Foundation, Hyderabad	26 th March 2022
14	Myadam Harika 20251A1713	Inspire Hyd One Day Career Excellence Programme	Kalam's Institute of Youth Excellence Foundation, Hyderabad	26 th March 2022
15	Shaik Ashrafa 20251A1720	Inspire Hyd One Day Career Excellence Programme	Kalam's Institute of Youth Excellence Foundation, Hyderabad	26 th March 2022
16	Khandesh Rashmika 20251A1744	Inspire Hyd One Day Career Excellence Programme	Kalam's Institute of Youth Excellence Foundation, Hyderabad	26 th March 2022
17	Boddu Sushma 20251A1735	Inspire Hyd One Day Career Excellence Programme	Kalam's Institute of Youth Excellence Foundation, Hyderabad	26 th March 2022
18	Palavarapu Joshitha 20251A1715	Inspire Hyd One Day Career Excellence Programme	Kalam's Institute of Youth Excellence Foundation, Hyderabad	26 th March 2022

19	Manideepa Kasula 20251A1711	Inspire Hyd One Day Career Excellence Programme	Kalam's Institute of Youth Excellence Foundation, Hyderabad	26 th March 2022
20	Devaragatla Ramya Sri 20251A1706	Inspire Hyd One Day Career Excellence Programme	Kalam's Institute of Youth Excellence Foundation, Hyderabad	26 th March 2022
21	N.Deetya Reddy 20251A1748	Inspire Hyd One Day Career Excellence Programme	Kalam's Institute of Youth Excellence Foundation, Hyderabad	26 th March 2022
22	Kurella Anusha 20251A1746	Inspire Hyd One Day Career Excellence Programme	Kalam's Institute of Youth Excellence Foundation, Hyderabad	26 th March 2022
23	Mamidipalli Varsha 20251A1747	Inspire Hyd One Day Career Excellence Programme	Kalam's Institute of Youth Excellence Foundation, Hyderabad	26 th March 2022
24	Shreya Konderi 20251A1752	Inspire Hyd One Day Career Excellence Programme	Kalam's Institute of Youth Excellence Foundation, Hyderabad	26 th March 2022
25	Woolichi Harshavalli 20251A1757	Inspire Hyd One Day Career Excellence Programme	Kalam's Institute of Youth Excellence Foundation, Hyderabad	26 th March 2022
26	Myadam Harika 20251A1713	Inspire Hyd One Day Career Excellence Programme	Kalam's Institute of Youth Excellence Foundation, Hyderabad	26 th March 2022
27	Shaik Ashrafa 20251A1720	Inspire Hyd One Day Career Excellence Programme	Kalam's Institute of Youth Excellence Foundation, Hyderabad	26 th March 2022
28	Mucherla Akhila 20251A1712	Doodle – Annual cultural-cum-technical fest of IIT Hyderabad	IIT Hyderabad	25 th – 27 th March 2022
29	Swetha Sivakumar 21251A1729	CBIT Model UN Conference	CBIT, Hyderabad	13 th -15 th May 2022
30	Kumudini 19255A1704	Online Quiz on Self-Assessment of Communication Skills	Lords Institute of Engineering & Technology, Hyderabad	13 th June 2021
31	G Hasitha 18251A1708	Women Safety Contest	Women Safety Wing of Telangana Police	25 th October 2021
32	G Hasitha 18251A1708	Ekalavya Sports Meet-2022 Basket Ball	MGIT, Hyderabad	2022
33	Thatipalli Sowmya 20251A1724	Workshop on NodeMCU	IEEE Student Branch of NSAKCET, GNITS and JBIET	3 rd July 2021

34	Bollineni Sahithi 20251A1705	One Week Online Workshop on "Design And Analysis of Advanced Antenna Systems"	IEEE MTT-S Vardhaman Student Chapter, Vardhaman College of Engineering	23 rd – 28 th August 2021
35	S. Vathsalya 20251A1753	One Week Online Workshop on "Design And Analysis of Advanced Antenna Systems"	IEEE MTT-S Vardhaman Student Chapter, Vardhaman College of Engineering	23 rd – 28 th August 2021
36	S.Vathsalya 20251A1753	Webinar on "Introduction to Blockchain Technology"	IETE, Hyderabad Centre	29 th August 2021
37	Mucharla Akhila 20251A1712	Webinar on "Smart Sensors and Applications"	IETE, Hyderabad Centre	21 st November 2021
38	Polkam Srinidhi 20251A1718	Webinar on "Smart Sensors and Applications"	IETE, Hyderabad Centre	21 st November 2021
39	Thatipalli Sowmya 20251A1724	Webinar on "Smart Sensors and Applications"	IETE, Hyderabad Centre	21 st November 2021
40	Geddam Sravya 20251A1739	Webinar on "Smart Sensors and Applications"	IETE, Hyderabad Centre	21 st November 2021
41	Silveru Sowmya 21255A1702	Webinar on "Smart Sensors and Applications"	IETE, Hyderabad Centre	21 st November 2021
42	S.Vathsalya 20251A1753	Webinar on "The Changing Face of Broadcasting"	IETE, Hyderabad Centre	5 th December 2021
43	Silveru Sowmya 21255A1702	Webinar on "Cyber Warfare"	IETE, Hyderabad Centre	12 th December 2021
44	Silveru Sowmya 21255A1702	Webinar on "Indian Space Program"	IETE, Hyderabad Centre	23 rd January 2022
45	Mucharla Akhila 20251A1712	Webinar on "Role of IoT in Smart Grid Technology"	IETE, Hyderabad Centre	1 st May 2022
2020-21				
1	Gande Sneha 19251A1725	National Level English Language Proficiency Test	Aurora's Technological and Research Institute	18 th – 22 nd June 2020
2	Gorla Kaveri 19251A1726	PYTHON QUIZ	START CLUB, SNIST	3 rd August 2020
3	Abhigna Nadupalli 19251A1746	PYTHON QUIZ	START CLUB, SNIST	4 th August 2020

4	Anusha Dokka 19251A1718	PYTHON QUIZ	START CLUB, SNIST	4 th August 2020
5	M.Ishwarya 19251A1739	Statistics Online Quiz	TSWRDCW, Budvel	8 th August 2020
6	Kumudini 19255A1704	National Level Quiz on Digital Electronics	SCIENT Institute of Technology	8 th June 2020
7	Gajula Hasitha 18251A1708	Quiz Competition on "Effects of Cyber Bullying"	Telangana Police with Symbiosis Law School	23 th July 2020
8	Gajula Hasitha 18251A1708	Quiz Competition on "How Safe are you Online"	Telangana Police with Symbiosis Law School	22 th July 2020
9	G Gagana Reddy 18251A1737	National level Quiz "QUIZ-A-THON"	'The Electronix Club' and SNIST in association with eduskills	30 th August 2020
10	Minnalla Sai Likhitha 17251A1744	Quiz Competition on "How Safe are you Online"	Telangana Police with Symbiosis Law School	16 th July 2020
11	Minnalla Sai Likhitha 17251A1744	Quiz Competition on "Sexual Extortion in Cyber Space"	Telangana Police with Symbiosis Law School	30 th July 2020
12	Minnalla Sai Likhitha 17251A1744	Quiz Competition on "Effects of Cyber Bullying"	Telangana Police with Symbiosis Law School	30 th July 2020
13	Kaveri Gorla 19251A1726	GoDaddy Web Build-A-Thon – A 3 Day Training Program	SmartBridge Educational Services Pvt Ltd in association with GoDaddy Academy	23 rd February 2021
14	Samala Vidya Reddy 19251A1750	GoDaddy Web Build-A-Thon – A 3 Day Training Program	SmartBridge Educational Services Pvt Ltd in association with GoDaddy Academy	23 rd February 2021
15	Fareeha Hameed 18251A1707	3 day workshop on "Coding on Raspberry Pi"	IEEE MVSR CAS Student Chapter	1 st – 3 rd October 2020
16	G. Gagana Reddy 18251A1737	3 day workshop on "Coding on Raspberry Pi"	IEEE MVSR CAS Student Chapter	1 st – 3 rd October 2020
17	T. Jyothi Reddy 18251A1727	3 day workshop on "Coding on Raspberry Pi"	IEEE MVSR CAS Student Chapter	1 st – 3 rd October 2020
18	Nikitha Reddy Mangalikuntla 18251A1720	One-day International Webinar on "Navigation Satellites for Modern Communications"	Malla Reddy Institute of Technology and Science	11 th July 2020

19	Summaiya Mehveen 18251A1726	Webinar on "The AI Enabled Future"	Lords E-Cell with NYCI & Brain-O-Vision Solutions India Pvt. Ltd	11 th July 2020
20	Fareeha Hameed 18251A1707	One day workshop on VISION 360	YUVA THIRANG & KALAM CENTRE	23 rd August 2020
21	Nikitha Reddy Mangalikuntla 18251A1720	Webinar on "Verilog HDL in Chip Design Cycle and Importance of Hardware Emulation"	Malla Reddy Institute of Technology and Science	8 th August 2020
22	Thumula Madhu Chandana 18251A1753	1 Week Hands-on on "Artificial Intelligence using Python"	Brain-O-Vision Solutions Pvt. Ltd & NYCI	14 th – 19 th September 2020
23	M.Durga Neha Chandana 17251A1740	Webinar on "A perspective view on Artificial Intelligence"	Sree Dattha Institute of Engineering and Science	2 nd June 2020
24	Ammara Mahavish 17251A1745	Webinar on "A perspective view on Artificial Intelligence"	Sree Dattha Institute of Engineering and Science	2 nd June 2020
25	M Durga Neha Chandana 17251A1740	Hands on Experience on IoT with Cisco Packet Tracer	Sree Dattha Institute of Engineering and Science	5 th June 2020

4.5.3.B. Events outside the state

Table B.4.5.3.c: Details of student participation in events outside the state

S.No.	Student Name / Roll No.	Name of the Event	Organized By	Date of the Event
2023-24				
1	Aishwarya Rao 20251A1731	NASA International Space Apps Challenge 2023	NASA International Space Apps Challenge at Chandigarh University	7 th – 8 th October 2023

2	Namrata Mokshagundam 21255A1724	Galactic Problem- Solver (International Space Apps Challenge Pre-Qualifiers)	NASA International Space Apps Challenge at Chandigarh University	30 th August 2023
3	Thatipalli Sowmya 20251A1724	Galactic Problem- Solver (International Space Apps Challenge Pre-Qualifiers)	NASA International Space Apps Challenge at Chandigarh University	30 th August 2023
4	Syarvani Kota 21251A1745	Galactic Problem Solver (International Space Apps Challenge Pre- Qualifiers)	NASA International Space Apps Challenge at Chandigarh University	7 th – 8 th October 2023
5	Sowmya Silveru 21255A1702	Netsim Hackathon	TechnoVIT23, Vellore Institute of Technology, Chennai	30 th September 2023
6	Nabi Unnisa 21255A1703	Netsim Hackathon	TechnoVIT23, Vellore Institute of Technology, Chennai	30 th September 2023
7	Aishwarya Rao 20251A1731	Galactic Problem Solver (International Space Apps Challenge Pre- Qualifiers)	NASA International Space Apps Challenge	7 th – 8 th October 2023
8	E. Swapna 22251A1710	National Level Inter- Engineering Collegiate Tournament Kho-Kho - Women's	SR Gudlavalleru Engineering College, Krishna District, Andhra Pradesh	18 th – 20 th November 2023
9	K.Dyuthi 20251A1708	IIC Regional Meet	Amity University, Rajasthan	4 th January 2024
10	Myadam Harika 20251A1713	IIC Regional Meet	Amity University, Rajasthan	4 th January 2024
11	Shahnaz Sakina 21251A1757	Women Leadership Development Program	PWC	5 th February 2024

2022-23				
1	Maddi Shirisha 19251A1742	MoE's Innovation Cell Smart India Hackathon	Smart India Hackathon Grand Finale 2022, SSTM, Ernakulam	25 th – 26 th August 2022
2	Kandle Meghana 20255A1704	First Preliminary Round: Online Coding of Optum Stratethon: E-Track	Optum	11 th Oct 2022
3	E. Swapna	Vitopia 2023 Kho-Kho	VIT-AP University	19 th February – 2 nd March 2023
4	Thatipalli Sowmya 20251A1724	Quiz, Hero Campus Challenge Season 8	Hero MotoCorp Limited	8 th February 2023
5	Mucharla Akhila 20251A1712	Quiz, Hero Campus Challenge Season 8	Hero MotoCorp Limited	8 th February 2023
6	Pujitha Mandava 20251A1709	Quiz, Hero Campus Challenge Season 8	Hero MotoCorp Limited	8 th February 2023
7	Yerragunta Krupany 21251A1730	IP Awareness/Training Program	NIPAM, Intellectual Property Office, India	17 th June 2022
8	Yerragunta Krupany 21251A1730	Resume Building Workshop	Microsoft Learn Student Ambassador	1 st April 2023
9	M.Pragya Teja Sri 21251A1760	7-Days Bootcamp on Python for Beginners	GDSC AND MLSA KIIT Chapter,	1 st Oct – 8 th Oct 2022
10	Mucharla Akhila 20251A1712	Training in Internet of Things	MOOD INDIGO, IIT BOMBAY	10 th May – 10 th June 2022
11	Mucharla Akhila 20251A1712	IP Awareness/Training Program	NIPAM, Intellectual Property Office, India	17 th June 2022
12	Thatipalli Sowmya 20251A1724	IP Awareness/Training Program	NIPAM, Intellectual Property Office, India	17 th June 2022
13	Thatipalli Sowmya 20251A1724	Workshop on SQL	SKILL SLASH	6 th November 2022

2021-22				
1	Aishwarya Rao 20251A1731	Technical Writing Competition	IETE ISF DBIT, Mumbai in association with IETE- M Center	1 st February 2022
2	Preethi Patil 20251A1719	Integrate and Encourage Yoga through Life, 7 th International Day of Yoga	Ministry of AYUSH & MyGov	18 th June 2021
3	Preethi Patil 20251A1719	International Day of Yoga (2021) Quiz	Ministry of AYUSH & MyGov	18 th June, 202
4	Preethi Patil 20251A1719	Rastrhagaan	Ministry of Culture	15 th August 2021
5	Preethi Patil 20251A1719	FIT INDIA Freedom Run 2.0	Ministry of Youth Affairs and Sports	13 th August – 2 nd October 2021
6	Aakanksha 20251A1730	Padma Awards Quiz 2022	Ministry of Home Affairs & MyGov	18 th March 2022
7	Aakanksha 20251A1730	Quiz on Consumer Empowerment	Jago Grahak Jago & MyGov	25 th March 2022
8	Thatipalli Sowmya 20251A1724	Crack your next Maruthi Suzuki Interview	ELITE TECHNO GROUPS, Jaipur, Rajasthan	11 th May 2022
9	Vidya Reddy 19251A1750	Safecity Safety Champion Campaign 2	safecity	June 2021
10	Clementina Rithika 19251A1712	Global Young Leaders Conclave	TBH Circle, Delhi	7 th – 10 th October 2021
11	Kaveri Gorla 19251A1726	GirlScript Winter of Contributing 2021	GirlScript Foundation	September – November 2021

12	Lakshmi Hemaswi Chava 19251A1738	5 th National Engineering Olympiad	National Engineering Olympiad	22 nd December 2021
13	Sravya Jale 19251A1754	5 th National Engineering Olympiad	National Engineering Olympiad	22 nd December 2021
14	Yamini Turlapati 19251A1758	5 th National Engineering Olympiad	National Engineering Olympiad	22 nd December 2021
15	Kandula Sridevi 19251A1736	6 th National Engineering Olympiad	National Engineering Olympiad	29 th March 2022
16	VNS Sri Harshitha	Rastrhagaan	Ministry of Culture	15 th August 2021
17	Bollineni Sahithi 20251A1705	International Webinar on "Evolutionary Learning and its Engineering Applications"	IEEE Student Branch-GSSS Institute of Engineering and Technology for Women, Mysuru in association with IEEE Mysore Sub Section and IEEE Bangalore Section	21 st May 2021
18	S.Vathsalya 20251A1753	International Webinar on "Evolutionary Learning and its Engineering Applications"	IEEE Student Branch-GSSS Institute of Engineering and Technology for Women, Mysuru in association with IEEE Mysore Sub Section and IEEE Bangalore Section	21 st May 2021
19	Thatipalli Sowmya 20251A1724	Virtual Workshop on Arduino	ISTE Student Chapter in association with e-flip Magazine	30 th May, 2021

20	Bollineni Sahithi 20251A1705	Webinar on "Machine Learning for Wireless Communications"	IEEE Information Theory Society (ITS) Bangalore Chapter	8 th June 2021
21	Surapaneni Vathsalya 20251A1753	Webinar on "Machine Learning for Wireless Communications"	IEEE Information Theory Society (ITS) Bangalore Chapter	8 th June 2021
22	Doniparthi Ishitha 20251A1737	7 day training on "Cyber Security and Ethical Hacking"	ICSO	7 th January 2022
23	Woolichi Harshavalli 20251A1757	Program on "Artificial Intelligence – Personify"	iStop, Tech Fest, IIT Bombay	11 th November 2021 – 11 th January 2022
24	Thatipalli Sowmya 20251A1724	Hybrid Workshop on "Entrepreneurship in 21 st Century"	IETE in association with e-flip Magazine	29 th January 2022
25	Sowmya Silveru 21255A1702	Session on "How to Get Internships & 75% Scholarships on three level Microsoft Certification programs"	Knowledge Solutions India	2 nd February 2022
26	Sandhya Lakshmi 20251A1723	Online Session on "Netflix Recommendation – How do they know what you like?"	TechLearn	3 rd February 2022
27	Ananya Sree 20251A1704	Online Session on "Netflix Recommendation – How do they know what you like?"	TechLearn	4 th February 2022
28	Thatipalli Sowmya 20251A1724	Online Session on "Netflix Recommendation – How do they know what you like?"	TechLearn	4 th February 2022
29	Nabi Unnisa 21255A1703	Workshop cum Competition - ELECTRO-VLSI	SKILLUP & VIT BHOPAL	8 th & 9 th April 2022
30	Nabi Unnisa 21255A1703	Resume Building Workshop	Microsoft Learn Student Ambassador	19 th March 2022

31	Yarrapothu Neha 20251A1728	Resume Building Workshop	Microsoft Learn Student Ambassador	19 th March 2022
32	P Sanjana Reddy 20251A1716	Resume Building Workshop	Microsoft Learn Student Ambassador	19 th March 2022
33	Kandle Meghana 20255A1704	7 days Bootcamp on "Basic Web - Dev with Bootstrap"	ShapeAI in collaboration with Developer Student Clubs, GDG Ranchi	1 st June – 6 th June 2021
34	Kandle Meghana 20255A1704	7 days Bootcamp on "Python & Data Analytics"	ShapeAI in collaboration with GDG Ranchi	23 rd June – 30 th June 2021
35	Kandle Meghana 20255A1704	7 days Bootcamp on "Python & Cyber Security"	ShapeAI in collaboration with Developer StudentClubs	23 rd June – 30 th June 2021
36	Sheela Sangeetha 19251A1753	7 days Bootcamp on "Python & Cyber Security"	ShapeAI in collaboration with Developer Student Clubs	23 rd June – 30 th June 2021
37	Kandle Meghana 20255A1704	7 days Bootcamp on "Cyber Security"	ShapeAI	23 rd June – 30 th June 2021
38	Sheela Sangeetha 19251A1753	7 days Bootcamp on "Cyber Security"	ShapeAI	23 rd June – 30 th June 2021
39	T. Akhila Reddy 19251A1755	7 days Bootcamp on "Basic Web - Dev with Bootstrap"	ShapeAI	31 st May- 6 th June 2021
40	Sharanya Manusani 19251A1743	7 days Bootcamp on "Basic Web - Dev with Bootstrap"	ShapeAI	1 st June – 6 th June 2021
41	Sheela Sangeetha 19251A1753	7 days Bootcamp on "Python and Computer Vision"	ShapeAI in collaboration with Developer Student Clubs	23 rd June – 30 th June 2021
42	Vidya Reddy 19251A1750	7 days Bootcamp on "Python and Deep Learning"	ShapeAI in collaboration with GDG Ranchi	5 th July – 11 th July 2021

43	Maddi Shirisha 19251A1742	7 days Bootcamp on "JavaScript and React JS"	ShapeAI in collaboration with Developer Student Clubs	27 th May – 31 st May 2021
44	M.Thrisha Reddy 19251A1740	7 days Bootcamp on "JavaScript and React JS"	ShapeAI	27 th May – 31 st May 2021
45	M.Thrisha Reddy 19251A1740	7 days Bootcamp on "Python and Machine Learning"	ShapeAI in collaboration with GDG Ranchi	5 th July – 11 th July 2021-
46	K P Pavani 19251A1731	7 days Bootcamp on "Backend Web Dev with NodeJS"	ShapeAI	2 nd July – 9 th July 2021
47	Jeedipally Vaishnavi 19251A1730	7 days Bootcamp on "Python and Computer Vision"	ShapeAI	23 rd – 30 th June 2021
48	Peesari Geethanjali 18251A1750	7 days Bootcamp on "Data Analytics and Dashboards with Excel"	ShapeAI in collaboration with Developer Student Clubs, GDG Ranchi	5 th June – 11 th June 2021
49	Peesari Geethanjali 18251A1750	7 days Bootcamp on "JavaScript and React JS"	ShapeAI in collaboration with Developer Student Clubs	5 th June – 11 th June 2021
50	Yamini Turlapati 19251A1758	7 days Bootcamp on "JavaScript and React JS"	ShapeAI in collaboration with GDG Ranchi	5 th June – 11 th June 2021
51	M.Ishwarya 19251A1739	Backend Web Dev Bootcamp with NodeJS	ShapeAI	2 nd July – 9 th July 2021
52	Saisri Gajula 19251A1724	7 days Bootcamp on "Basic Web - Dev with Bootstrap"	ShapeAI in collaboration with Developer Student Clubs, GDG Ranchi	31 st May- 6 th June 2021
53	Gaddam Meghana 19251A1723	7 days Bootcamp on "Backend Web Dev with NodeJS"	ShapeAI in collaboration with Developer Student Clubs, GDG Ranchi	2 nd July – 9 th July 2021

54	Gaddam Meghana 19251A1723	7 days Bootcamp on "Python and Machine Learning"	ShapeAI in collaboration with Developer Student Clubs, GDG Ranchi	12 th March – 19 th March 2022
55	Rushika Gunda 19251A1722	7 days Bootcamp on "Basic Web - Dev with Bootstrap"	ShapeAI in collaboration with Developer Student Clubs, GDG Ranchi	31 st May – 6 th June 2021
56	Anusha Dokka 19251A1718	7 days Bootcamp on "Backend Web Dev with NodeJS"	ShapeAI in collaboration with GDG Ranchi	24 th – 30 th April 2021
57	Sreeharshini 19251A1703	7 days Bootcamp on "Backend Web Dev with NodeJS"	ShapeAI in collaboration with Developer Student Clubs, GDG Ranchi	24 th – 30 th April 2021
58	G.Saisri 19251A1724	Training in Machine Learning	ShapeAI	29 th Sep – 1 st Oct 2021
59	Harshitha Singam 20255A1703	Online Python Training Program	EDUTERN	6 th – 26 th June 2021
60	Syeda Shifa Fatima 18251A1756	Profile Building Workshop	CVDragon	11 th June 2021
61	VNS Sri Harshitha Pelluri 19255A1701	Profile Building Workshop	CVDragon	11 th June 2021
62	Kumudini Gandhesiri 19255A1704	Online Session on "How Flipkart's Helping Small Business to Grow using NLP"	TechLearn	12 th June 2021
63	Hasitha Gajula 18251A1708	Online Session on "How Uber Saves Your Time?"	TechLearn	19 th June 2021
64	Gagana Reddy 18251A1737	Online Session on "How Uber Saves Your Time?"	TechLearn	19 th June 2021
65	Sri Harshitha Pelluri 19255A1701	Online Session on "How NASA Auto Colourise Images with Deep Learning?"	TechLearn	25 th June 2021

66	Syeda Shifa Fatima 18251A1756	10 hours workshop on "Starting with Aptitude Preparation"	TalentBattle	23 rd -27 th June 2021
2020-21				
1	Vinusha Garlapati 18251A1738	INNOTHON 2021 – A National Level Hackathon	Arcane Innovation, Gulzar Group of Institutes	9 th April 2021
2	Namratha Chennuri 18251A1735	INNOTHON 2021 – A National Level Hackathon	Arcane Innovation, Gulzar Group of Institutes	9 th April 2021
3	Sai Sonali 19251A1721	Command Line and Git	Progate.com	15 th July 2020
4	Anusha Dokka 19251A1718	National Engineering Olympiad 3.0	NATIONAL ENGINEERING OLYMPIAD	25 th September 2020
5	Sai Sonali 19251A1721	Contributor in Contributor's Hack 2020	Hackin Codes	16 th August – 2 nd October 2020
6	Gajula Saisri 19251A1724	National Level Online Quiz	SPW Degree and PG College, Tirupati	18 th November 2020
7	Vidya Reddy 19251A1750	National Level Online Quiz	SPW Degree and PG College, Tirupati	18 th November 2020
8	Clementina Rithika 19251A1712	National Level Online Quiz	SPW Degree and PG College, Tirupati	18 th November 2020
9	Turlapati Yamini 19251A1758	National Level Online Quiz	SPW Degree and PG College, Tirupati	18 th November 2020
10	Anusha Penchala 19251A1748	National Level Online Quiz	SPW Degree and PG College, Tirupati	18 th November 2020

11	M.Thrisha 19251A1740	National Level Online Quiz	SPW Degree and PG College, Tirupati	18 th November 2020
12	S. Krishna Snehitha 19251A1751	National Level Online Quiz	SPW Degree and PG College, Tirupati	25 th November 2020
13	Kaveri Gorla 19251A1726	Education Outreach Scholarship	GIRLSSCRIPT.TECH & KONFHUB	24 th – 30 th April 2021
14	Anusha Penchala 19251A1748	Sketching Geeks	Zeitgeist'21	23 rd -25 th April 2021
15	Turlapati Yamini 19251A1758	Sketching Geeks	Zeitgeist'21	23 rd -25 th April 2021
16	Meghana G 19251A1723	The Guinness World Record Event – Most users to take an online computer programming lesson in 24 hours	GUVI	24 th – 25 th April 2021
17	Abhigna Nadupalli 19251A1746	The Guinness World Record Event – Most users to take an online computer programming lesson in 24 hours	GUVI	24 th – 25 th April 2021
18	Kaveri Gorla 19251A1726	The Guinness World Record Event – Most users to take an online computer programming lesson in 24 hours	GUVI	24 th – 25 th April 2021
19	M.Trisha Reddy 19251A1740	The Guinness World Record Event – Most users to take an online computer programming lesson in 24 hours	GUVI	24 th – 25 th April 2021
20	Meghana 19251A1726	Career Fest Quiz in IoT	Amity Future Academy	10 th May 2021
21	Navya Sai 19251A1734	Hosting Internshala Talk	Internshala	12 th May 2021
22	Navya Sai 19251A1734	Hosting Online Internship Talk	TalkFest'22, Internshala	23 rd May 2021

23	Fareeha Hameed 18251A1707	Stellar Model UN & 'MUN for UN@75' Plenary Session	UN Information Centre for India and Bhutan	August 2020
24	Fareeha Hameed 18251A1707	United Nation-MUN Awareness Drive	International Ascendants of Model United Nations	20 th August 2020
25	Fareeha Hameed 18251A1707	IAMUN Virtual Conference	International Ascendants of Model United Nations	11 th -12 th July 2020
26	Bhavya Kuppili 18251A1715	IAMUN Virtual Conference	International Ascendants of Model United Nations	11 th – 12 th July 2020
27	Fareeha Hameed 18251A1707	Global DebSoc MUN 2.0	SAINT LOUIS UNIVERSITY	August 2020
28	Fareeha Hameed 18251A1707	IAMUN Digital Conference 2.0	International Ascendants of Model UN	August 2020
29	Fareeha Hameed 18251A1707	Simulation of UNHRC	Indian Dialectic Model United Nations	18 th -19 th September 2020
30	Fareeha Hameed 18251A1707	VHMUN	WHO	10 th – 11 th October 2020
31	Fareeha Hameed 18251A1707	First round in English category in Wordsworth 2020	Engineers' Music & Cultural Club, Women in Engineering, IEEE & Communication Skills Club	7 th – 15 th December 2020

32	Fareeha Hameed 18251A1707	Secretariat of Madras Model United Nations Conference	Madras Model UN	3 rd April 2021
33	Nikitha Reddy Mangalikuntla 18251A1720	Hosting Online Internship Talk	TalkFest'21, Internshala	20 th April 2021
34	Harshitha Pelluri 19255A1701	The Guinness World Record Event – Most users to take an online computer programming lesson in 24 hours	GUVI	24 th – 25 th April 2021
35	Hasitha Gajula 18251A1708	The Guinness World Record Event – Most users to take an online computer programming lesson in 24 hours	GUVI	24 th – 25 th April 2021
36	Nikitha Reddy Mangalikuntla 18251A1720	The Guinness World Record Event – Most users to take an online computer programming lesson in 24 hours	GUVI	24 th – 25 th April 2021
37	Vaishnavi N 18251A1747	The Guinness World Record Event – Most users to take an online computer programming lesson in 24 hours	GUVI	24 th – 25 th April 2021
38	Summaiya Mehveen 18251A1726	The Guinness World Record Event – Most users to take an online computer programming lesson in 24 hours	GUVI	24 th – 25 th April 2021
39	Thimmareddy Jyothi 18251A1727	Digital Nurture	Cognizant	May 2021
40	Rithika Macherla 17251A1751	National Quiz Competiton-2020	Vigyan Prasar Network of Science Clubs	5 th June 2020

41	Bandi Greeshma 17251A1703	Engineering Campus Challenge, Flipkart GRID 2.0	Flipkart	1 st July 2020
42	E N S S Anjana 17251A1706	Engineering Campus Challenge, Flipkart GRID 2.0	Flipkart	1 st July 2020
43	Meghana 19251A1723	Advanced Excel Workshop	JS Academy	9 th May 2021
44	G. Gagana Reddy 18251A1737	Session on "Code to Make Standout Resume"	Cantilever Labs	6 th March 2021
45	VNS Sri Harshitha P 19255A1701	Session on "Code to Make Standout Resume"	Cantilever Labs	6 th March 2021
46	Summaiya Mehveen 18251A1726	4.0 Tech Online Bootcamp	NXT WAVE	10 th April 2021
47	Namratha NR 18251A1735	Advanced Excel Workshop	JS Academy	2 nd May 2021
48	Summaiya Mehveen 18251A1726	10 hours workshop on "Starting with Aptitude Preparation"	Talent Battle	17 th – 21 st May 2021
49	Gajula Saisri 19251A1724	7-Days Hands-on Webinar on "Ethical Hacking"	Oysters Training	31 st May – 6 th June 2020
50	Bejugam Alekhya 19251A1709	Artificial Intelligence Webinar	SYMPOSIUM IITM	19 th July 2020
51	Donthula Aashritha 19251A1720	Android App Development Foundation training	APPONIX	20 th July 2020
52	Anusha Dokka 19251A1718	Blue Prism Foundation Training	Blue prism University	19 th August 2020
53	Abhigna Nadupalli 19251A1746	Blue Prism Foundation Training	Blue prism University	19 th August 2020
54	Gorla Kaveri 19251A1726	Blue Prism Foundation Training	Blue prism University	22 nd August 2020

55	Sai Sonali Dudekula 19251A1721	One week program on "Graphic Designing"	GirlScript India Summit' 20 Learning Contest	19 th - 25 th August 2020
56	T. Akhila Reddy 19251A1755	Unschool Community Program	Unschool	17 th September 2020
57	Sushmitha 18251A1729	SEO AUDIT REPORT PROJECT	Digital Marketing Prompt by MyCaptain and Techspiky	June 2020
58	G Hasitha 18251A1708	Three Day Online Student Development Program on "Working With C-Programming"	Bhimavaram Institute of Engineering & Technology, Pennada	1 st -3 rd June 2020
59	Maddi Akhila 18251A1717	Three Day Online Student Development Program on "Working With C-Programming"	Bhimavaram Institute of Engineering & Technology, Pennada	1 st -3 rd June 2020
60	Thanmayee Yeluri 18251A1760	Three Day Online Student Development Program on "Working With C-Programming"	Bhimavaram Institute of Engineering & Technology, Pennada	1 st -3 rd June 2020
61	Bhavya Kuppili 18251A1715	Two day webinar on "PCB Design and Prototype Development"	G.Pulla Reddy Engineering College, Kurnool with APPLY VOLT	19 th -20 th June 2020
62	G Gagana Reddy 18251A1737	Two day webinar on "PCB Design and Prototype Development"	G.Pulla Reddy Engineering College, Kurnool with APPLY VOLT	19 th -20 th June 2020

63	Sushmitha M 18251A1729	Six weeks online training on "Digital Marketing"	Internshala	15 th May – 26 th June 2020
64	Hasitha Gajula 18251A1708	Online Internship Talk on "How to gain experience and pocket money in this COVID-19 situation"	Internshala	14 th July 2020
65	Hasitha Gajula 18251A1708	Artificial Intelligence Webinar	SYMPOSIUM IITM	19 th July 2020
66	Nikitha Reddy Mangalikuntla 18251A1720	Webinar Series on "The Space Scientists – Satellite for Public Health"	Jansons Institute of Technology and Galileo Science Club	23 rd July 2020
67	Nikitha Reddy Mangalikuntla 18251A1720	Webinar Series on "The Space Scientists – Big Questions about the Cosmos"	Jansons Institute of Technology and Galileo Science Club	24 th July 2020
68	Nikitha Reddy Mangalikuntla 18251A1720	Webinar Series on "The Space Scientists – Astronomical Timekeeping: A Primer"	Jansons Institute of Technology and Galileo Science Club	25 th July 2020
69	Nikhitha Gannarapu 18251A1734	Six weeks online training on "Programming with Python"	Internshala	20 th June – 1 st August 2020
70	Neha Thota 18251A1758	Eight weeks online training on Ethical Hacking	Internshala	8 th June to 3 rd August 2020
71	Pragna Sree Sama 18251A1724	Eight weeks online training on Ethical Hacking	Internshala	15 th June - 10 th August 2020
72	Nikitha Valike 17251A1729	Three Day Online Student Development Program on "Working With C-Programming"	Bhimavaram Institute of Engineering & Technology, Pennada	1 st -3 rd June 2020

73	M Durga Neha Chandana 17251A1740	Three Day Online Student Development Program on "Working With C-Programming"	Bhimavaram Institute of Engineering & Technology, Pennada	1 st -3 rd June 2020
74	M Durga Neha Chandana 17251A1740	PCB Design and Prototype Development	G.Pulla Reddy Engineering College, Kurnool with APPLY VOLT	19 th -20 th June 2020
75	E N S S Anjana 17251A1706	Linux Workshop	BridgeLabz	19 th – 26 th June 2020
76	Bharani Sripriya Vemula 17251A1733	Eight weeks online training on Ethical Hacking	Internshala	6 th May to 1 st July 2020
77	Avancha Sai Padma 17251A1731	Eight weeks online training on Ethical Hacking	Internshala	14 th May – 9 th July 2020
78	Rithika Macherla 17251A1751	2 Day Workshop on Coding Techniques & Machine Learning	Brainlabs.Ai	24 th – 25 th August 2020

4.5.3.C. Prizes/awards received in events

Table B.4.5.3.d: Details of student received Prizes/awards in events

S.No.	Student Name / Roll No.	Name of the Event	Organized By	Date of the Event	Award / Prize
2023-24					
Award/Prize for events outside the state					
1	Aishwarya Rao 20251A1731	NASA International Space Apps Challenge 2023	NASA International Space Apps Challenge at Chandigarh University	7 th – 8 th October 2023	Winner
2	Namrata Mokshagundam 21255A1724	Galactic Problem-Solver (International Space Apps Challenge Pre-Qualifiers)	NASA International Space Apps Challenge	30 th August 2023	Special Appreciation
3	Thatipalli Sowmya 20251A1724	Galactic Problem-Solver (International Space Apps Challenge Pre-Qualifiers)	NASA International Space Apps Challenge	30 th August 2023	Special Appreciation
4	E. Swapna 22251A1710	National Level Inter-Engineering Collegiate Tournament Kho-Kho - women's	SR Gudlavalleru Engineering College, Krishna District, Andhra Pradesh	18 th – 20 th November 2023	Winners
Award/Prize for events within the state					
1	Neelam Manasa 21251A1751	Project Expo	Mahatma Gandhi Institute of Technology, Hyderabad	21 st March 2024	1 st Prize
2	Lahari Pasham 21251A1753	Project Expo	Mahatma Gandhi Institute of Technology, Hyderabad	21 st March 2024	1 st Prize

3	Kondakindi Sai Sreshta 21251A1756	Project Expo	Mahatma Gandhi Institute of Technology, Hyderabad	21 st March 2024	1 st Prize
4	Nadikattu Pragna 21251A1722	Project Expo	Mahatma Gandhi Institute of Technology, Hyderabad	21 st March 2024	1 st Prize
5	Reddygari Amrutha Varshini 21251A1755	Project Expo	Mahatma Gandhi Institute of Technology, Hyderabad	21 st March 2024	1 st Prize
6	N.Shreya Vandana 22251A1752	Poster Presentation, TECHKRITI 2024	Mahatma Gandhi Institute of Technology, Hyderabad	21 st March 2024	1 st Prize
7	B. Vasavi 21251A1701	24-hour National Level Design-A- Thon	VNRVJIET, Hyderabad	1 st – 2 nd March 2024	Runner with Prize Money of Rs. 3000
8	Y. Krupany 21251A1730	24-hour National Level Design-A- Thon	VNRVJIET, Hyderabad	1 st – 2 nd March 2024	Runner with Prize Money of Rs. 3000
9	M. Pragya Teja Sri 21251A1760	24-hour National Level Design-A- Thon	VNRVJIET, Hyderabad	1 st – 2 nd March 2024	Runner with Prize Money of Rs. 3000
10	E. Swapna 22251A1710	2 nd State Level Sports Fest (AARAMBH'23) Kho-Kho	JBIEI, Hyderabad	9 th and 10 th June 2023	First Prize
11	Nadia Shahreen 22251A1750	Mock Parliament	Rashtrapati Nilayam, Hyderabad	26 th November 2023	Best Interjector
12	E. Swapna 22251A1710	TEJAS 2K23 Kho-Kho	Vardhaman College of Engineering, Hyderabad	21 st – 23 rd December 2023	Merit



Figure B.4.5.3.b Aishwarya Rao (3rd girl from right in 2nd row) won NASA International Space Apps Challenge 2023 at Chandigarh University



Figure B.4.5.3.c B. Vasavi, Y. Krupany, M. Pragya Teja Sri (6th, 7th, 8th girls from left) stood Runners with Prize Money of Rs. 3000 in Design-A-Thon organized by VNR VJIET, Hyderabad

2022-23

Award/Prize for events outside the state

1	Arshiya Syed 20251A1733	code for 2023 challenge	JP MORGAN CHASE & CO.	10 th – 11 th June 2023	Winner
2	Maddi Shirisha 19251A1742	MoE's Innovation Cell Smart India Hackathon	Smart India Hackathon Grand Finale 2022, SSTM, Ernakulam	25 th – 26 th August 2022	Winner with Prize Money of Rs. 1,00,000
3	E. Swapna 22251A1710	Vitopia 2023 Kho-Kho	VIT-AP University	19 th February – 2 nd March 2023	Runner Up

Award/Prize for events within the state

1	Meghana Kandle 20255A1704	MEGATHON 2022	E-Cell, IIITH	22 nd – 23 rd October 2022	Merit
2	P.Indrani 20255A1702	Techtopia – A Digital Dreamland (R & D and Start-Up Show Case)	Women In Leadership Conclave - The First Edition	8 th - 9 th March 2023	II Prize

3	Meghana Kasula 21251A1720	District Level Inter Engineering Badminton Tournament	Chaitanya Freedom Cup, CBIT, Hyderabad	19 th August 2022	Winner
4	Meghana Kasula 21251A1720	Badminton	Phoenix'23, VJIT, Hyderabad	2 nd – 3 rd March 2023	Runners



Figure B.4.5.3.d M. Shirisha (Third girl in 1st row from left), Greeshma Reddy (First girl in 1st row from left) of ETE department won One Lakh Prize Money in Smart India Hackathon 2022 organized by MoE's Innovation Cell at SSTM, Ernakulam



Figure B.4.5.3.e Winner certificate of M. Shirisha in Smart India Hackathon 2022 organized by MoE's Innovation Cell at SSTM, Ernakulam

2021-22

Award/Prize for events outside the state

1	Aishwarya Rao 20251A1731	Technical Writing Competition	IETE ISF DBIT, Mumbai in association with IETE- M Center	1 st February 2022	1 st Position
2	Lakshmi Hemaswi Chava 19251A1738	National Engineering Olympiad 5.0	National Engineering Olympiad	22 nd December 2021	Qualifying Round One
3	Sravya Jale 19251A1754	National Engineering Olympiad 5.0	National Engineering Olympiad	22 nd December 2021	Qualifying Round One
4	Yamini Turlapati 19251A1758	5 th National Engineering Olympiad	National Engineering Olympiad	22 nd December 2021	Qualifying Round One

5	Arshiya 20251A1733	National level quiz on Srinivasa Ramanujan	Dept. of Mathematics, Rajeev Gandhi Memorial College of Engg. & Tech., Nandyal, Andhra Pradesh	20 th December 2021	Appreciation
6	Thatipalli Sowmya 20251A1724	National level quiz on Srinivasa Ramanujan	Dept. of Mathematics, Rajeev Gandhi Memorial College of Engg. & Tech., Nandyal, Andhra Pradesh	20 th December 2021	Appreciation
7	Thipparaju Srivaishnavi	National level quiz on Srinivasa Ramanujan	Dept. of Maths, Rajeev Gandhi Memorial College of Engg. & Tech., Nandyal, Andhra Pradesh	20 th December 2021	Appreciation
8	D. Ramyasri 20251A1706	National level quiz on Srinivasa Ramanujan	Dept. of Maths, Rajeev Gandhi Memorial College of Engg. & Tech., Nandyal, Andhra Pradesh	20 th December 2021	Appreciation
9	Pujitha Mandava 20251A1709	National level quiz on Srinivasa Ramanujan	Dept. of Maths, Rajeev Gandhi Memorial College of Engg. & Tech., Nandyal, Andhra Pradesh	20 th December 2021	Appreciation
Award/Prize for events within the state					
1	Hasitha 18251A1708	Ekalavya Sports Meet-2022 Basket Ball	MGIT, Hyderabad	2022	2 nd Place
2	Kumudini 19255A1704	Online Quiz on Self-Assessment of Communication Skills	Lords Institute of Engineering & Technology, Hyderabad	13 th June 2021	Appreciation
3	S.Vathsalya 20251A1753	Rishi's National Level E-Quiz-2022	Rishi's Sports Club, Hyderabad	24 th January 2022	Merit
2020-21					
Award/Prize for events outside the state					
1	Kaveri Gorla 19251A1726	Education Outreach Scholarship	GIRLSRIPT.TECH & KONFHUB	24 th – 30 th April 2021	Winner
2	Fareeha Hameed 18251A1707	Stellar Model UN & 'MUN for UN@75' Plenary Session	UN Information Centre for India and Bhutan	August 2020	Appreciation (Special Mention)
3	Fareeha Hameed 18251A1707	High Commendation in UNW at IAMUN Virtual Conference	International Ascendants of Model United Nations	11 th -12 th July 2020	Appreciation
4	Fareeha Hameed 18251A1707	Global DebSoc MUN 2.0	SAINT LOUIS UNIVERSITY	August 2020	Recognition

5	Fareeha Hameed 18251A1707	Honourable mention in UNHRC at IAMUN Digital Conference 2.0	International Ascendants of Model United Nations	August 2020	Excellence
6	Fareeha Hameed 18251A1707	High Commendation as Delegate of Switzerland	WHO at VHMUN	10 th – 11 th October 2020	Achievement
7	Fareeha Hameed 18251A1707	Secretariat of Madras Model United Nations Conference	Madras Model UN	3 rd April 2021	Acknowledgement
8	Thimmareddy Jyothi 18251A1727	Digital Nurture	Cognizant	May 2021	RecogNurize Sparkling Stars 2021
9	Rithika Macherla 17251A1751	National Quiz Competiton-2020	Vigyan Prasar Network of Science Clubs	5 th June 2020	Appreciation
10	Anusha Dokka 19251A1718	National Engineering Olympiad 3.0	NATIONAL ENGINEERING OLYMPIAD	25 th September 2020	Qualified Round 1
Award/Prize for events within the state					
1	Gande Sneha 19251A1725	National Level English Language Proficiency Test	Aurora's Technological and Research Institute	18 th – 22 nd June 2020	Achievement
2	Gorla Kaveri 19251A1726	PYTHON QUIZ	START CLUB SNIST	3 rd August 2020	Appreciation
3	Abhigna Nadupalli 19251A1746	PYTHON QUIZ	START CLUB SNIST	4 th August 2020	Appreciation
4	Anusha Dokka 19251A1718	PYTHON QUIZ	START CLUB SNIST	4 th August 2020	Appreciation
5	M.Ishwarya 19251A1739	Statistics Online Quiz	TSWRDCW Budvel	8 th August 2020	Appreciation
6	Kumudini 19255A1704	National Level Quiz on "Digital Electronics"	SCIENT Institute of Technology	8 th June 2020	Appreciation

Table B.4.5.3.e: Student Publications International/National Level

S.No.	Academic Year	No of Journals/ Conference
1	2023-2024 (CAY)	13
2	2022-2023 (CAYm1)	6
3	2021-2022 (CAYm2)	1

Academic Year-2023-2024

S. No	Title	Student Details	Journal / Conference	Volume, Issue, ISSN/ISBN numbers	Year	WebLink
1	Performance Comparison of Channel Coding Techniques for OFDM System	G. Gagana Reddy, Alamur Sucharitha, N. Akshara, N. Vaishnavi	IOP Conference Series: Materials Science and Engineerin	10.1088/1757-899X/1272/1/012012	2023-2024	https://iopscience.iop.org/article/10.1088/1757-899X/1272/1/012012/pdf
2	IoT Based Patient Healthcare Monitoring System	Sai Anusha Dokka, Abhigna Nadupalli	International Journal for Research in Applied Science & Engineering Technology	pp:772-775 ISSN-2321-9653	2023-2024	https://doi.org/10.22214/ijraset.2023.54653
3	Arduino Based Car Speed Detector Circuit	D.Aashritha, G.Meghana, D.Greeshma, G.Rushika	International Journal for Research in Applied Science & Engineering Technology	Vol. 11 ISSN - 2321-9653	2023-2024	https://www.ijraset.com/best-journal/arduino-based-car-speed-detector-circuit
4	Automated Hydroponic System with Solar Powered Battery Management System	L. Sai Srivalli, K. Sharanya, D. Akhila, T. Madhu Chandana	International Journal for Research in Applied Science & Engineering Technology	ISSN - 2321-9653	2023-2024	https://doi.org/10.22214/ijraset.2023.54649
5	Fingerprint Based Smart Vehicle	A. Lalitha, A. Sandhya, M. Veena, M. Sri Pujitha	International Journal for Research in Applied Science and Engineering Technology	ISSN - 2321-9653	2023-2024	https://doi.org/10.22214/ijraset.2023.54650
6	Fruit Freshness Evaluation using a Real-Time Industrial Framework for Deep Learning	Sai Anusha, N. Abhigna, S. Sangeetha	International Journal for Research in Applied Science and Engineering Technology	ISSN - 2321-9653	2023-2024	https://doi.org/10.22214/ijraset.2023.54651
7	Greenhouse Monitoring and Controlling for Cultivation of Plant	T. Yamini M. Thrisha	International Journal for Research in Applied Science and Engineering Technology (IJRASE)	ISSN - 2321-9653	2023-2024	https://doi.org/10.22214/ijraset.2023.54652

8	Performance Analysis of Selective Mapping and Clipping based MC-CDMA System	B.Vaishnavi D.Ruchitha M.Tanmayl Buskani Aishwarya	International Journal of Wireless Communications and Networking Technologies	ISSN - 2321-9653	2023-2024	https://doi.org/10.22214/ijraset.2023.54655
9	Performance Analysis of Spatially Multiplexed MIMO System	T.Charitha A.Vineela K.Karishma K.Bhargavi	International Journal for Research in Applied Science & Engineering Technology	ISSN - 2321-9653	2023-2024	https://doi.org/10.22214/ijraset.2023.54656
10	Web Security Audit and Penetration Testing: Identifying Vulnerabilities and Strengthening Website Security	G. Saisri T. Sai Meghana G. Kaveri A. Sree Harshini	International Journal For Research in Applied Science and Engineering Technology.	ISSN - 2321-9653	2023-2024	https://doi.org/10.22214/ijraset.2023.54658
11	Adaboost Model-Based Approach for Effectively Detecting Spam in IoT Devices	Donthula Aashritha Gunda Rushika Gaddam Meghana	International Journal For Research in Applied Science and Engineering Technology	ISSN - 2321-9653	2023-2024	https://doi.org/10.22214/ijraset.2023.54648
12	IOT BASED SMART ENERGY METER	B.Ananya Sree P.SriNidhl i S.Shivani K.Rashmika	International Journal of Engineering Science Invention Research & Development	ISSN - 2321-9653	2023-2024	https://doi.org/10.22214/ijraset.2023.54651
13	Assistant talking bot: For people with physical disabilities	Prakhya Korada	International Journal of Recent Technology and Engineering (IJRTE)	ISSN - 2550-6978	2023-2024	https://doi.org/10.53730/ijhs.v6nS6.11104

Academic Year-2022-2023

S. No	Title	Student Details	Journal / Conference	Volume, Issue, ISSN/ISBN numbers	Year	WebLink
1	Deep Learning Aided 5G Channel Estimation	B. Shashitha B. Alekhya Clementina Rithika CH. Bhavana	IJRASET	Vol-11, Issue6,	2022-23	https://doi.org/10.22214/ijraset.2023.54202
2	A Prototype of the Waste Segregation and Remote Garbage Level Monitoring System	Lakshmi Hemaswi Chava Kandle Meghana K. P. Pavani Sravya Jale	International Journal For Research in Applied Science and Engineering Technology	Volume 11, Issue 7, ISSN 2321-9653	2022-23	https://www.ijraset.com/
3	IoT Based Smart Home Automation and Security	Chilukuri Hemavalli Indrasena Shaik Fa	International Journal For Research in Applied Science and Engineering Technology	Volume 11, Issue 7, ISSN 2321-9653	2022-23	https://www.ijraset.com/
4	PAPR Reduction of OFDM signals using PTS and Firefly algorithm	A. Lalitha A. Sandhya M. Veena M. Sri Pujitha	International Journal For Research in Applied Science and Engineering Technology	Volume 11, Issue 7, ISSN 2321-9653	2022-23	https://www.ijraset.com/
5	Automated Hydroponic System with Solar Powered Battery Management System	L. Sai Srivalli K. Sharanya D. Akhila T. Madhu Chandana	International Journal For Research in Applied Science and Engineering Technology	Volume 11, Issue 7	2022-23	https://doi.org/10.22214/ijraset.2023.54649
6	Home Surveillance Using Robotic Eye	Kandle Meghana Sravya Jale	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	ISSN: 2321-9653	2022-23	https://doi.org/10.22214/ijraset.2023.54203

Academic Year-2021-2022

S. No	Title	Student Details	Journal / Conference	Volume, Issue, ISSN/ISBN numbers	Year	WebLink
1	IoT Sensors, Classification and applications in Weather Monitoring	E. N. S. S. Anjana,	International Journal of Health Sciences	ISSN - 2277-3878	2020-2021	https://www.ijrte.org/wp-content/uploads/papers/v10i1/A57660510121.pdf

5 FACULTY INFORMATION AND CONTRIBUTIONS (200)

Total Marks 173.88

Sr. No	Name	PAN No.	University Degree	Date of Receiving Degree	Area of Specialization	Research Paper Publications	Ph.D Guidance	Faculty receiving Ph.D during the assessment year	Current Designation	Date (Designated as Prof / Assoc. Prof.)	Initial Date of Joining	Association Type	At present working with the Institution (Yes / No)	Date of Leaving	IS HOD?
1	Dr.Rajkumar L Biradar	ALDPB3671Q	ME/M. Tech and PhD	25/04/2014	Image Processing	21	4	4	Professor	01/11/2016	22/06/2007	Regular	Yes		Yes
2	Dr.K.Rama Linga Reddy	AHXPK5775G	ME/M. Tech and PhD	01/12/2011	Image Processing	13	5	5	Professor	01/11/2012	07/12/2000	Regular	Yes		No
3	Mr.G.Krishna Reddy	AFGPG8103F	M.E/M.Tech	02/10/2000	Digital Systems and Computer Electronics	7			Associate Professor	01/04/2010	05/09/2000	Regular	Yes		No
4	Mr.N.Rama Krishna	AECPN3229A	M.E/M.Tech	02/05/2005	Microwave Engineering	4			Assistant Professor		18/08/2006	Regular	Yes		No
5	Dr.A.Naveena	AIMPA4489P	ME/M. Tech and PhD	03/05/2021	Wireless Communication & Networks	19			Assistant Professor		16/06/2003	Regular	Yes		No
6	Dr.M.Vijaya Lakshmi	AFXPM3865P	ME/M. Tech and PhD	01/09/2020	Wireless Communications	15			Assistant Professor		01/07/2010	Regular	Yes		No
7	Dr.T.Sunitha	AMUPT2175R	ME/M. Tech and PhD	23/11/2022	VLSI Design	10			Assistant Professor		01/07/2010	Regular	Yes		No
8	Dr.P.Sreesudha	ASXPP5423H	ME/M. Tech and PhD	01/02/2023	Wireless Communications	9			Assistant Professor		20/07/2011	Regular	Yes		No
9	Mrs.V.Anitha	AQCPV1727B	M.E/M.Tech	01/01/2013	Communication and Radar Systems	12			Assistant Professor		12/06/2013	Regular	Yes		No
10	Mr.V.Vikas	ALIPV8229R	M.E/M.Tech	01/10/2013	Wireless Networks & Applications	6			Assistant Professor		01/10/2013	Regular	Yes		No
11	Mr.A.Chandra Shaker	AGFPA9524L	M.E/M.Tech	01/10/2012	VLSI System Design	8			Assistant Professor		02/06/2014	Regular	Yes		No
12	Mrs.M.Jyothsna	CSYPM6327A	M.E/M.Tech	01/11/2014	Wireless & Mobile Communications				Assistant Professor		27/04/2015	Regular	Yes		No
13	Ms K.Pranathi	DHSPK9019M	M.E/M.Tech	01/12/2021	Wireless & Mobile Communications	7			Assistant Professor		12/04/2022	Regular	Yes		No
14	Mrs.A.Rajitha	BQIPA5834K	M.E/M.Tech	01/12/2015	Electronics and Communication Engineering				Assistant Professor		13/07/2023	Contractual	Yes		No
15	Mr.G.Hari Krishna	AKVPG4905D	M.E/M.Tech	01/07/2009	Embedded Systems, VLSI				Assistant Professor		21/09/2023	Contractual	Yes		No

16	Dr.G.Srivalli	APYPG5125P	ME/M. Tech and PhD	01/03/2017	Microwave Engineering	2			Assistant Professor		05/01/2016	Regular	No	28/02/2022	No
17	Mrs.K.Sarada	BAQPP1778P	M.E/M.Tech	01/04/2011	Digital Electronics & Communication Systems				Assistant Professor		22/06/2011	Regular	No	30/04/2022	No
18	Ms.G.Swetha	BAJPG7855H	M.E/M.Tech	03/12/2015	Wireless & Mobile Communications	1			Assistant Professor		05/01/2017	Regular	No	30/04/2022	No
19	Mrs.A.Sneha Keerthi	CJAPA3527M	M.E/M.Tech	01/12/2021	Electronics and Instrumentation				Assistant Professor		11/04/2022	Regular	No	30/09/2023	No

5.1 Student-Faculty Ratio (SFR) (20)

Total Marks 18.00

UG

No. of UG Programs in the Department 1

B.Tech

Year of Study	CAY		CAYm1		CAYm2	
	(2023-24)		(2022-23)		(2021-22)	
	Sanction Intake	Actual admitted through lateral entry students	Sanction Intake	Actual admitted through lateral entry students	Sanction Intake	Actual admitted through lateral entry students
2nd Year	64	7	65	7	60	7
3rd Year	65	7	60	7	60	6
4th Year	60	7	60	6	60	6
Sub-Total	189	21	185	20	180	19
Total	210		205		199	
Grand Total	210		205		199	

PG

No. of PG Programs in the Department 1

M.Tech (Wireless and Mobile Communications)

Year of Study	CAY(2023-24)	CAYm1(2022-23)	CAYm2 (2021-22)
	Sanction Intake	Sanction Intake	Sanction Intake
1st Year	12	12	18
2nd Year	12	18	18
Total	24	30	36
Grand Total	24	30	36

SFR

No. of UG Programs in the Department 1

No. of PG Programs in the Department 1

Description	CAY(2023-24)	CAYm1 (2022-23)	CAYm2 (2021-22)
Total No. of Students in the Department(S)	234 Sum total of all (UG+PG) students	235 Sum total of all (UG+PG) students	235 Sum total of all (UG+PG) students
No. of Faculty in the Department(F)	15 F1	14 F2	14 F3
Student Faculty Ratio(SFR)	15.60 SFR1=S1/F1	16.79 SFR2=S2/F2	16.79 SFR3=S3/F3
Average SFR	16.39 SFR=(SFR1+SFR2+SFR3)/3		

F=Total Number of Faculty Members in the Department (excluding first year faculty)

Note: All the faculty whether regular or contractual (except Part-Time), will be considered. The contractual faculty (doing away with the terminology of visiting/adjunct faculty, whatsoever) who have taught for 2 consecutive semesters in the corresponding academic year on full time basis shall be considered for the purpose of calculation in the Faculty Student Ratio. However, following will be ensured in case of contractual faculty:

1. Shall have the AICTE prescribed qualifications and experience.
2. Shall be appointed on full time basis and worked for consecutive two semesters during the particular academic year under consideration.
3. Should have gone through an appropriate process of selection and the records of the same shall be made available to the visiting team during NBA visit

5.1.1. Provide the information about the regular and contractual faculty as per the format mentioned below:

	Total number of regular faculty in the department	Total number of contractual faculty in the department
CAY(2023-24)	13	2
CAYm1(2022-23)	14	0
CAYm2(2021-22)	14	0

Average SFR for three assessment years : 16.39

Assessment SFR : 18

5.2 Faculty Cadre Proportion (20)

Total Marks 20.00

Institute Marks : 20.00

Year	Professors		Associate Professors		Assistant Professors	
	Required F1	Available	Required F2	Available	Required F3	Available
CAY(2023-24)	1.00	2.00	2.00	0.00	7.00	11.00
CAYm1(2022-23)	1.00	2.00	2.00	0.00	7.00	12.00
CAYm2(2021-22)	1.00	2.00	2.00	0.00	7.00	12.00
Average Numbers	1.00	2.00	2.00	0.00	7.00	11.67

Cadre Ratio Marks [(AF1 / RF1) + [(AF2 / RF2) * 0.6] + [(AF3 / RF3) * 0.4]] * 10 : 20.00

5.3 Faculty Qualification (20)

Total Marks 15.88

Institute Marks : 15.88

	X	Y	F	FQ = 2 x [(10X + 4Y) / F]
2023-24(CAY)	6	9	11.00	17.45
2022-23(CAYm1)	5	9	11.00	15.64
2021-22(CAYm2)	4	10	11.00	14.55

Average Assessment : 15.88

5.4 Faculty Retention (10)

Total Marks 10.00

Institute Marks : 10.00

Description	2022-23 (CAYm1)	2023-24 (CAY)
No of Faculty Retained	12	12
Total No of Faculty	11	11
% of Faculty Retained	109	109

Average : 109.00

Assessment Marks : 10.00

5.5 Faculty competencies in correlation to Program Specific Criteria (10)

Total Marks 10.00

The faculty competency in the Department of ETE is measured contingent to the Advisory and guidelines set by the National Technical bodies such as AICTE, IEEE and other Associations/Societies of Electronics and Telematics Engineering based on the quality contribution by faculty in the Program Specific Criteria. The following are some of the highlights of the Programme Specific Competence of the faculty members:

- The programme has a variety in the subject specialization of the faculty member that leads to offering a variety of specializations, including thrust areas such as Communication Technologies, Signal and Image Processing, Embedded Systems and IoT, Computer Networking and Security to name a few.
- Given the diverse range of technical expertise and domains within our faculty, the specialization of our faculty members plays a crucial role when our students engage in various platforms like contests, hackathons, project participation, and competitions involving idea or technical paper presentations. Based on the domain knowledge and guidance required by the students, the department faculty is in a position to address and comply effectively.
- Our faculty members have demonstrated excellent competence in research publications during the Assessment years by publishing their research findings in quality international journals, reputed international conference proceedings, and book/book chapters.

Since the publishing and contributions by our faculty in the peer-reviewed research articles and course-developmental activities for Teaching & Learning in specific domains correlate closely to the programme specialization and program-specific criteria, we do possess competency level required for program specific criteria.

Core competencies of the program

- Communication Technologies
- Signal and Image Processing
- Embedded Systems and IoT
- Computer Networking and Security

Table B.5.5.1 Faculty Competencies in Correlation with core competencies of the Program

S.No	Core Competency	Faculty Related
1	Communication Technologies	-Dr. Rajkumar L Biradar -Dr. K. Rama Linga Reddy -Mr.G. Krishna Reddy -Dr.A.Naveena -Dr.M.Vijayalakshmi -Dr. P. Sreesudha -Mrs. V.Anitha -Mrs.M.Jyothsna -Mrs.A.Rajitha
2	Signal and Image Processing	-Dr. Rajkumar L Biradar -Dr. K. Rama Linga Reddy -Mr.G. Krishna Reddy -Dr.M.Vijayalakshmi -Mr.N.Rama Krishna -Dr. P. Sreesudha -Mrs. V.Anitha -Mrs.M.Jyothsna
3	Embedded Systems and IoT	-Mr.N.Rama Krishna -Dr.A.Naveena -Dr.T. Sunitha -Mr. V. Vikas -Mr.A.Chandra Shaker -Ms.K.Pranathi -Mrs.A.Rajitha
4	Computer Networking and Security	-Dr.T. Sunitha -Mr. V. Vikas -Mr.A.Chandra Shaker -Ms.K.Pranathi

The faculty competency level is measured considering the following factors and their contributions.

- Specialization
- Research Publications
- Course Developments
- E-content / MOOC content developed
- Faculty as BoS Members
- Faculty as Invited Speakers/ Resource Persons
- Membership in Professional Bodies
- Faculty Development Programs Conducted/Organized
- Online Courses / FDPs / Training Programs / Workshops / Seminars / Series of Webinars attended in relevance to the academic specialization
- Faculty Awards/ Achievements
- Patents published/granted

A. Specialization

The following table gives the details of the faculty and their specialization, qualification details

Table B.5.5.2. Specialization details and link to Vidwan profile of the faculty

S.No.	Name of the Faculty	Designation	Qualification	Areas of Interest	E-mail	Academic Identity (Vidwan-ID) link
1	Dr.Rajkumar L Biradar	Professor and HOD	Ph.D	Image Processing & Signal Processing	rajkumar_lb@yahoo.com	https://gnits.irins.org/profile/149036 (https://gnits.irins.org/profile/149036)
2	Dr.K.Ramalinga Reddy	Professor and Dean Academics	Ph.D	Image processing & Data Communications	kattareddy2000@yahoo.com	https://gnits.irins.org/profile/148968 (https://gnits.irins.org/profile/148968)
3	Mr.G.Krishna Reddy	Associate Professor	M.Tech (Ph.D)	Signal Processing & Data Communication	gkr999gkr@gmail.com	https://gnits.irins.org/profile/148951 (https://gnits.irins.org/profile/148951)
4	Mr.N.Rama Krishna	Assistant Professor	M.Tech (Ph.D)	Embedded systems, IoT & Computer Vision	nrk_9@yahoo.com	https://gnits.irins.org/profile/149005 (https://gnits.irins.org/profile/149005)
5	Dr.A.Naveena	Assistant Professor	Ph.D	Computer Networks	naveenaambidi@gmail.com	https://gnits.irins.org/profile/148897 (https://gnits.irins.org/profile/148897)
6	Dr.M.Vijaya Lakshmi	Assistant Professor	Ph.D	Communications, VLSI	vijayap03@gmail.com	https://gnits.irins.org/profile/354921 (https://gnits.irins.org/profile/354921)
7	Dr.T.Sunitha	Assistant Professor	Ph.D	VLSI, Digital Electronics	sunitha.tappari@gmail.com	https://gnits.irins.org/profile/149058 (https://gnits.irins.org/profile/149058)
8	Dr. P. Sreesudha	Assistant Professor	Ph.D	Communication Systems	sree.sudha38@gmail.com	https://gnits.irins.org/profile/149010 (https://gnits.irins.org/profile/149010)
9	Mrs.V.Anitha	Assistant Professor	M.Tech (Ph.D)	Antennas, Microwaves	anitha.vulugundam@gmail.com	https://gnits.irins.org/profile/149069 (https://gnits.irins.org/profile/149069)
10	Mr.V.Vikas	Assistant Professor	M.Tech (Ph.D)	Wireless Sensor Networks, Wireless Communications	vikas_wnpt@yahoo.co.in	https://gnits.irins.org/profile/149070 (https://gnits.irins.org/profile/149070)

11	Mr.A.Chandra Shaker	Assistant Professor	M.Tech (Ph.D)	VLSI Design, Embedded Systems	chandrashakerarrabotu@gmail.com	https://gnits.irins.org/profile/148903 (https://gnits.irins.org/profile/148903)
12	Mrs.M.Jyothsna	Assistant Professor	M.Tech (Ph.D)	Communication Systems , Signal Processing	mjyothsnagoud@gmail.com	https://gnits.irins.org/profile/148986 (https://gnits.irins.org/profile/148986)
13	Ms. K.Pranathi	Assistant Professor	M.Tech	Wireless Networks, Embedded systems	kpranathi26@gmail.com	https://gnits.irins.org/profile/466420 (https://gnits.irins.org/profile/466420)
14	Mrs.A.Rajitha	Assistant Professor	M.Tech	Embedded Systems	rajitha1401@gmail.com	https://gnits.irins.org/profile/466375 (https://gnits.irins.org/profile/466375)
15	Mr.G.Hari Krishna	Assistant Professor	M.Tech	Wireless Communications, VLSI System Design	gannu.harikrishna@gmail.com	https://gnits.irins.org/profile/466397 (https://gnits.irins.org/profile/466397)

B. Research Publications

Faculty members possess extensive research experience and have authored research papers indexed in SCI, Web of Science, and SCOPUS (e.g., Taylor and Francis, Elsevier, Springer, IEEE transactions). They have also showcased their work in numerous international conferences. Additionally, faculty actively engage in attending and organizing Faculty Development Programs to enhance their expertise in key research domains. Refer to the provided table for the count of Publications in refereed/ SCI Journals, Conferences and Books/Book chapters.

Table B.5.5.3.Competency of the faculty with respect to Research Publications in thrust areas

Core Competency	Journals Count	Conference/Books/Book Chapters Count	Total
Communication Technologies	27	30	57
Computer Networking and Security	15	8	23
Embedded Systems and IoT	13	9	22
Signal and Image Processing	11	14	25
Grand Total	66	61	127

Table B.5.5.4. Faculty publications as per academic year

Academic Year	Journals Count	Conference/Books/Book Chapters Count	Total
2020-2021	19	8	27
2021-2022	13	11	24
2022-2023	34	42	76
Grand Total	66	61	127

Table B.5.5.5. Faculty Research Publications in refereed/SCI/WoS Journals in correlation with core competencies

S.No	Title of the Paper	Name of the author/s	Journal Name	Academic Year	ISSN Number	Core Competency
1	Adaboost Model-Based Approach for Effectively Detecting Spam in IoT Devices	Vulugundam Anitha	International Journal For Research in Applied Science and Engineering Technology, Volume 11, Issue 7	2022-2023	2321-9653	Computer Networking and Security
2	Automated Hydroponic System with Solar Powered Battery Management System	Mr.A.Chandra Shaker	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	2022-2023	2321-9653	Embedded Systems and IoT

3	Fingerprint Based Smart Vehicle	Dr. Sunitha Tappari	International Journal for Research in Applied Science and Engineering Technology (IJRASET),	2022-2023	2321-9653	Embedded Systems and IoT
4	Fruit Freshness Evaluation using a Real-Time Industrial Framework for Deep Learning Ensemble Approaches	N. Ramakrishna	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	2022-2023	2321-9653	Embedded Systems and IoT
5	Greenhouse Monitoring and Controlling for Cultivation of Plant	Dr. Rajkumar L. Biradar	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	2022-2023	2321-9653	Embedded Systems and IoT
6	IoT Based Patient Healthcare Monitoring System	Dr. Ambidi Naveena	International Journal for Research in Applied Science and Engineering Technology (IJRASET)11,7, pp:772-775	2022-2023	2321-9653	Embedded Systems and IoT
7	Performance Analysis of Selective Mapping and Clipping based MC-CDMA System	P. Sreesudha	International Journal for Research in Applied Science and Engineering Technology (IJRASET)	2022-2023	2321-9653	Communication Technologies
8	Performance Analysis of Spatially Multiplexed MIMO System	P. Sreesudha	International Journal for Research in Applied Science and Engineering Technology (IJRASET), Vol. 11, No.7	2022-2023	2321-9653	Communication Technologies
9	Remote Underwater Robot	Vulugundam Anitha	International Journal For Research in Applied Science and Engineering Technology, Volume 11, Issue 7	2022-2023	2321-9653	Embedded Systems and IoT
10	Web Security Audit and Penetration Testing: Identifying Vulnerabilities and Strengthening Website Security	Mr.V.Vikas	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	2022-2023	2321-9653	Computer Networking and Security
11	Deep learning aided 5G channel estimation	Dr.M.Vijaya Lakshmi	IJRASET,Vol-11,Issue6,	2022-2023	2321-9653	Communication Technologies
12	An optimized deep networks for securing 5G communication system	Dr. Ambidi Naveena, Maddala Vijaya Lakshmi	Cluster Computing,15th,Nov,2022	2022-2023	1573-7543	Embedded Systems and IoT
13	A Prototype of the Waste Segregation and Remote Garbage Level Monitoring System	K.Pranathi	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	2022-2023	2321-9653	Embedded Systems and IoT
14	IoT Based Smart Home Automation and Security	Dr. Sunitha Tappari	International Journal for Research in Applied Science and Engineering Technology (IJRASET)	2022-2023	2321-9653	Computer Networking and Security
15	PAPR Reduction of OFDM signals using PTS and Firefly algorithm	G.Krishna Reddy	Volume 11 Issue VI Jun 2023	2022-2023	2321-9653	Communication Technologies
16	Home Surveillance Using Robotic Eye	Dr. Ambidi Naveena	International Journal for Research in Applied Science and Engineering Technology (IJRASET)11,7, pp:772-775	2022-2023	2321-9653	Computer Networking and Security
17	Highly Secure and Accurate Deep Slicing in 5G Wireless Networks for Efficient Resource Utilization	Dr. Ambidi Naveena	Communications - Scientific Letters of the University of Zilina, Vol 25, No.3, E15-E23	2022-2023	2585-7878	Computer Networking and Security
18	A Novel Intelligent Channel Estimation Strategy for the 5G Wireless Communication Systems	Dr. Ambidi Naveena, Dr.M.Vijaya Lakshmi	Wireless Personal Communications, Vol.30, No.4, pp:1-25, April 19, 2023	2022-2023	1572-834X, 0929-6212	Communication Technologies
19	A novel diffusivity function-based image denoising for MRI medical images	Dr.K.Rama Linga Reddy	Multimedia Tools and ApplicationsMultimedia Tools and Applications	2022-2023	32057-32089	Signal and Image Processing
20	AlexNet-NDTL: Classification of MRI brain tumor images using modified AlexNet with deep transfer learning and Lipschitz-based data Augmentation	Dr.K.Rama Linga Reddy	Int. J Imaging Syst. Technology 2023;33:106-1322	2022-2023	1098-1098	Signal and Image Processing
21	Political Improved Invasive Weed Optimization- Driven Hybrid Exemplar Technique for Video inpainting Process	Dr. Rajkumar L. Biradar	International Journal of Pattern recognition and Artificial Intelligence	2022-2023	1793-6381	Signal and Image Processing

22	THz Imaging Technology Trends and Wide Variety of Applications: a Detailed Survey	Vulugundam Anitha	Plasmonics, Volume 18, Issue 2	2022-2023	1557-1963	Communication Technologies
23	Analysis of real time weather monitoring system using thingspeak	Dr. Ambidi Naveena	Annals of Forest Research, 2022	2022-2023	1844-8135, 2065-2445	Embedded Systems and IoT
24	A 12-element 360° azimuth plane scanning circular antenna array for THz wireless devices	Vulugundam Anitha	Wireless Networks, Volume 29, Issue 3	2022-2023	1572-8196	Communication Technologies
25	A heuristic deep feature system for energy management in wireless sensor network	Dr. Ambidi Naveena	Wireless Networks, Nov 17, 2022	2022-2023	1022-0038, 1572-8196	Embedded Systems and IoT
26	Design of Space-Time Coded Multi-Carrier CDMA System based on Metaheuristic Optimization Algorithms	P. Sreesudha	International Journal of Engineering Trends and Technology, Vol.70, No.10	2022-2023	2231 – 5381	Communication Technologies
27	Assistant talking bot: For people with physical disabilities.	Dr. Ambidi Naveena	International Journal of Health Sciences, July, 2022	2022-2023	2550-6978	Embedded Systems and IoT
28	Performance Comparison of Channel Coding Techniques for OFDM System	Dr.M.Vijaya Lakshmi	IOP Conference Series: Materials Science and Engineering, 2022	2022-2023	1757-899X	Communication Technologies
29	Design of Spatially Multiplexed Multi-Carrier Code Division Multiple Access System	P. Sreesudha	Dogo Rangsang Research Journal	2022-2023	2347-7180	Communication Technologies
30	DKH: A Hybridized Approach for Image Inpainting using Bayes Probabilistic – Based Image Fusion	Dr. Rajkumar L. Biradar	JournalInternational Journal of Intelligent Robotics and Applications	2022-2023	2366-598X	Signal and Image Processing
31	A Secure Energy Aware Meta-Heuristic Routing Protocol (SEAMHR) for sustainable IoT-Wireless Sensor Network (WSN)	Dr. Rajkumar L. Biradar	Theoretical Computer Science	2022-2023	1879-2294	Embedded Systems and IoT
32	An anomaly-based intrusion detection system using recursive feature elimination technique for improved attack detection	Dr. Rajkumar L. Biradar	Theoretical Computer Science	2022-2023	1879-2294	Embedded Systems and IoT
33	An Image Inpainting Method based on Whale Integrated Monarch Butterfly Optimization-Based Deep Convolutional Neural Network	Dr. Rajkumar L. Biradar	International Journal of Swarm Intelligence Research (IJSIR)	2022-2023	1947-9263	Signal and Image Processing
34	Encryption-based steganography of images by multiobjective whale optimal pixel selection	Dr. Rajkumar L. Biradar	International Journal of Computers and Applications	2022-2023	1925-7074	Signal and Image Processing
35	Analysis of PAPR and BER reduction in MIMO-OFDM using Hybrid MothFlame-Improved Firefly Algorithm	G.Krishna Reddy	Intelligence Engineering	2021-2022	2185-3118	Communication Technologies
36	Lifetime Enhancement of WSN using Evolutionary Computing Algorithms	Mr.A.Chandra Shaker	International Journal Of Analytical And Experimental Modal Analysis	2021-2022	0886-9367	Computer Networking and Security
37	Network Intrusion Detection, Prevention and Sustainable Mechanisms: A Survey	Dr. Rajkumar L. Biradar	International Journal of Early Childhood Special Education (INT-JECSE)	2021-2022	1308-5581	Computer Networking and Security
38	An Investigation of Secure Authentication Systems in Wireless Sensor Networks	Dr. Rajkumar L. Biradar	International Journal of Early Childhood Special Education (INT-JECSE)	2021-2022	1308-5581	Computer Networking and Security
39	Bayes Probabilistic Based Fusion method for Image Inpainting	Dr. Rajkumar L. Biradar	International Journal of Pattern Recognition and Artificial Intelligence	2021-2022	1309-4653	Signal and Image Processing
40	PARTICLE SWARM OPTIMIZATION FOR LINEAR ANTENNA ARRAY	Vulugundam Anitha	Journal of Resource Management and Technology, Volume 12, Issue 4	2021-2022	2320-9364	Communication Technologies

41	Image Denoising for magnetic resonance imaging medical images using improved generalized cross-validation based on the diffusivity function	Dr.K.Rama Linga Reddy	Int J Imaging Syst Technol. 2021;1-23. Wiley Publications	2021-2022	1755-0394	Signal and Image Processing
42	MIMO-OFDM systems using sparse channel estimation in high -mobility situations	Dr.M.Vijaya Lakshmi	International Journal of Research,Volume 10,Issue 11,	2021-2022	2236-6124, 1022-0038, 1572-8196	Communication Technologies
43	Low area FPGA implementation of PRESENT cryptography with 3S-RLKG and MKS	Dr. Sunitha Tappari	Wireless Networks, Volume-27 Issue-8,	2021-2022	1380-7501	Computer Networking and Security
44	A Survey On localizing the Drone to realize Mission Critical services with 5G Open RAN Framework	Mr.V.Vikas	International Journal of Research in Engineering and Science (IJRES)	2021-2022	0886-9367	Communication Technologies
45	New Cluster based Secure Certificate Revocation Scheme for Vehicular Ad-Hoc Networks	Vulugundam Anitha	International Journal of Research in Electronics and Computer Engineering, Volume 7, Issue 2	2021-2022	2348-2281	Computer Networking and Security
46	A hybridization approach of PSO and GSO algorithm for minimum-BER based multi-user detection in STBC-MIMO MC-CDMA systems	P. Sreesudha	Multimed Tools Appl 80	2021-2022	0745-6999	Communication Technologies
47	A robust low frequency integer wavelet transform based fractal encryption algorithm for image steganography	Dr. Rajkumar L. Biradar	International Journal Advanced Intelligence Paradigms,	2021-2022	1755-0394	Signal and Image Processing
48	A Proficient Fair Resource Allocation in the Channel of multi user Orthogonal Frequency Division Multiplexing using a Novel Hybrid Bat-Krill Herd Optimization	Dr.K.Rama Linga Reddy	Wireless Personal Communications, Springer publications	2020-2021	1449-1473	Communication Technologies
49	A Survey on Ethical Hacking, Approaches, Attacks, Procedure & Reliability in case of Cyber Crime	K.Pranathi	A Journal of Composition Theory (JAC), UGC CARE APPROVED	2020-2021	0731-6755	Computer Networking and Security
50	Review: IoT Sensors, Classification and Applications in Weather Monitoring	Dr. Ambidi Naveena	International Journal of recent Technology and Engineering, ISSN: 2277-3878, Vol 10, Issue 1	2020-2021	2277-3878	Computer Networking and Security
51	FBMC Modulation Schemes for 5G Mobile Communications	Dr. Ambidi Naveena, K.Pranathi	Turkish Journal of Computer and Mathematic Education, vol 12	2020-2021	1309-4653	Communication Technologies
52	A survey on Channel Estimation in Multicarrier Modulation Schemes	Dr. Ambidi Naveena, K.Pranathi	Science, Technology and Development Journal Impact factor 6.1, Issue 3	2020-2021	0950-0707	Communication Technologies
53	Vertical handover in heterogeneous networks using WDWWO algorithm with NN	Dr.K.Rama Linga Reddy	International Journal of Electronics	2020-2021	2078-2099	Communication Technologies
54	Network Intrusion Detection using Sparse Autoencoder with Swish-PReLU Activation Model	Dr. Rajkumar L. Biradar	Journal of Ambient Intelligence and Humanized Computing	2020-2021	1868-5145, 1868-5137	Computer Networking and Security
55	FPGA implementation of proficient light weight architecture for present Block Cipher	Dr. Sunitha Tappari	International Journal of Future generation communication and networking	2020-2021	2233-7857	Computer Networking and Security
56	Optimization of Keys using Grey-Wolf Optimization for Secure Path Key Establishment Schemes in Wireless Sensor Network	Dr. Rajkumar L. Biradar	International Journal of Intelligent Engineering and Systems (IJIES - Scopus Indexed)	2020-2021	2185-3118	Computer Networking and Security
57	Energy Efficient Precoding Design for Swipt in MIMO Two-Way Relay Networks	Vulugundam Anitha	Science, technology and development, Pg No: 214-224	2020-2021	0950-0707	Communication Technologies

58	Copy - Move Image Forgery Detection using Scale Invariant Feature Transform	Dr. Ambidi Naveena	International Journal of Engineering Research in Mechanical and Civil Engineering , Vol. 5, No. 12, pp. 8-13	2020-2021	2456-1290	Signal and Image Processing
59	Performance Enhancement of MIMO-MC-CDMA Systems by Employing Various Diversity Combining Techniques	Mr.A.Chandra Shaker	International Journal of Engineering Research in Electronics and Communication Engineering (IJERCE)	2020-2021	2456-1290	Communication Technologies
60	Multi-objective emperor penguin handover optimization for IEEE 802.21 in heterogeneous networks	Dr.K.Rama Linga Reddy	IET journals :IET Communications	2020-2021	1350-2425	Communication Technologies
61	Modified transform-based gamma correction for MRI tumor image denoising and segmentation by optimized histon-based elephant herding algorithm	Dr.K.Rama Linga Reddy	International Journal of Imaging Systems and Technology	2020-2021	1098-1098, 0899-9457	Signal and Image Processing
62	Multi-objective emperor penguin handover optimisation for IEEE 802.21 in heterogeneous networks	Dr.K.Rama Linga Reddy	IET Communications	2020-2021	1751-8636	Communication Technologies
63	Improved partial differential equation-based total variation approach to non-subsampled contourlet transform for medical image denoising	Dr.K.Rama Linga Reddy	Multimedia Tools and Applications	2020-2021	1573-7721	Communication Technologies
64	An optimized SVM based possibilistic fuzzy c-means clustering algorithm for tumor segmentation	Dr.K.Rama Linga Reddy	Multimedia Tools and Applications	2020-2021	1380-7501	Communication Technologies
65	A TWO-WAY RELAY TRANSMISSION IN CODED MIMO-OFDM USING DELAY DIVERSITY SCHEME	Dr. Sunitha Tappari	Journal of Engineering Sciences (JES), Volume-11, Issue-07	2020-2021	0377-9254	Communication Technologies
66	IMPLEMENTATION OF TWO-WAY AF RELAY CRN AND ITS PERFORMANCE EVALUATION USING OUTAGE PROBABILITY	Mr.V.Vikas	Journal of Engineering Sciences Vol 11, Issue 7, July/2020 PP:896-905 10.15433.JES.2020.V11I7.43P.134	2020-2021	0377-9254	Communication Technologies

Table B.5.5.6. Book/ Book chapter/ Conference proceedings by Faculty in correlation with core competencies

S.No.	Name of the teacher	Title of the book published/ Conference Proceedings	Title of the chapters/ Paper published	Academic Year	ISBN number	Domain
1	Dr. Rajkumar L. Biradar	Energy Efficient Image Transmission In Wireless Multimedia Sensor Networks		2022-2023	978-81-19385-84-3	Signal and Image Processing
2	Dr. Rajkumar L. Biradar	PAPRReduction: Techniques, Analysis and Applications		2022-2023	978-81-19385-85-0	Communication Technologies
3	Dr. Rajkumar L. Biradar	Digital Image In painting: Techniques, Analysis And Applications		2022-2023	978-81-19385-89-8	Signal and Image Processing
4	Dr. Rajkumar L. Biradar	Cluster Based Certificate Revocation With Vindication Capability For Mobile Adhoc Networks		2022-2023	978-81-19385-21-8	Computer Networking and Security
5	Mr.G.Krishna Reddy	Performance analysis of mimo-Ofdm Systemusing Coding And Equalization		2022-2023	978-81-19385-86-7	Communication Technologies
6	Dr.A.Naveena	AgriSow: Revolutionizing Farming Practices with Seeding Robots		2022-2023	978-93-91462-83-3	Embedded Systems and IoT
7	Dr.P.Sreesudha	Design of Interference cancellation Receiver of Cellular Systems		2022-2023	978-81-19385-88-1	Communication Technologies
8	Mr.ChandraShaker Arrabotu	Moving Object Detection Based On Back Ground Subtraction Under Cwt Domain For Video Surveillance System		2022-2023	978-81-19385-29-4	Signal and Image Processing

9	Mrs.A.Naveena	3rd International Conference on Engineering and Advancement in Technology-2022	A Survey on Physical Layer Performance of MIMO-WIMAX	2022-2023	978-93-81288-22-1	Computer Networking and Security
10	Dr. A. Naveena	A Deep Learning Based Approach To Power Minimization For Multi-Carrier Noma With Swipt		2022-2023	978-93-92105-48-7	Computer Networking and Security
11	Ms.K. Pranathi	Performance Of Qam System With Convolutional Codes		2022-2023	978-81-19385-22-5	Communication Technologies
12	Mr.N. Ramakrishna	Detection And Classification Of Diabetic Retinopathy Condition In Retinal Images		2022-2023	978-81-19385-87-4	Signal and Image Processing
13	Mrs.Anitha Vulugundam	IMPLEMENTATION OF ACQUISITION ALOGORITHM FOR GLONASS SOFTWARE RECEIVER		2022-2023	978-81-19385-92-8	Communication Technologies
14	Mr.N. Ramakrishna	Segmentation and Extraction of Alpha Numeric Characters in License Plate		2022-2023	9787-81-19385-93-5	Signal and Image Processing
15	Mr.V Vikas	LOCALISATION IN WIRELESS SENSOR NETWORK USING LABVIEW		2022-2023	978-81-19385-94-2	Embedded Systems and IoT
16	Dr.M.Vijaya Lakshmi	EFFECTIVE SPARSE CHANNEL ESTIMATION TECHNIQUE FOR MIMO-OFDM SYSTEM		2022-2023	978-81-19385-96-6	Communication Technologies
17	Anitha Vulugundam	SYNTHETIC APERTURE RADAR IMAGING (https://www.morebooks.shop/store/gb/book/syntaperture-radar-imaging/isbn/978-620-6-73731-5)		2022-2023	978-620-6-73731-5	Signal and Image Processing
18	Anitha Vulugundam	HAND GESTURE RECOGNITION USING IMAGE PROCESSING (https://www.morebooks.shop/store/gb/book/handgesture-recognition-using-image-processing/isbn/978-620-6-73727-8)		2022-2023	978-620-6-73727-8	Signal and Image Processing
19	Mr.N. Ramakrishna	Detecting and Classification of Diabetic Retinopathy (https://www.morebooks.shop/store/gb/book/detecting-and-classification-of-diabetic-retinopathy/isbn/978-620-6-73790-2)		2022-2023	978-620-6-73790-2	Signal and Image Processing
20	Ms.K. Pranathi	Fire Detection and Rescue System through live video streaming		2022-2023	978-620-6-18424-9	Embedded Systems and IoT
21	Mr.G.Krishna Reddy	Proceedings of the 8th International Conference on Communication and Electronics Systems (ICCES 2023)	PTS with Phase factor based reptile search algorithm and Hybrid coding approach for PAPR and BER reduction in MIMO-OFDM	2022-2023	978-981-99-1588-0	Communication Technologies
22	Mr.G.Krishna Reddy	International Conference on Intelligent Computing and Communication	Channel Estimation In Massive MIMO using BS Identification Code.	2022-2023	978-981-99-1588-0	Communication Technologies
23	Mr.G.Krishna Reddy	Proceedings of the 8th International Conference on Communication and Electronics Systems (ICCES 2023)	Prototype for Smart crop protection against wild animals.	2022-2023	979-8-3503-9663-8	Embedded Systems and IoT
24	Mrs.T.Sunitha	6th International Conference on Soft Computing and Signal Processing (ICSCSP-2023)	Lung cancer detection using hybrid methods of Otsu based PSO algorithm combined with ACO Algorithm	2022-2023	978-93-88122-09-2	Signal and Image Processing
25	Dr.P.Sreesudha	International Conference on Computer, Cybernetics and Education (ICCE-23)"	Five G Vehicular Network Resource Management For Improving Radio Access Using CNN LSTM and DNN	2022-2023	978-93-92105-47-0	Computer Networking and Security

26	Mrs.T.Sunitha	2023 Fifth International Conference on Electrical, Computer and Communication Technologies (ICECCT)	Performance Analysis of 5G Waveforms for MIMO System	2022-2023	978-1-6654-9360-4	Communication Technologies
27	Mr.A.Chandra Shaker	MEMS BASED GESTURE CONTROLLED WHEELCHAIR		2022-2023	978-620-6-18347-1	Embedded Systems and IoT
28	Mr.A.Chandra Shaker	IMPLEMENTATION OF HIGH PERFORMANCE 32-BIT RISC CORE ARCHITECTURE		2022-2023	978-620-6-18330-3	Embedded Systems and IoT
29	K. Pranathi and Dr A. Naveena	International Conference on Intelligent Computing and Communication	Estimation of Doubly Selective Channel in FBMC-OQAM and OFDM Systems	2022-2023	978-981-99-1588-0	Communication Technologies
30	Dr.A.Naveena	SIXTH SENSE TECHNOLOGY		2022-2023	978-620-6-18404-1	Computer Networking and Security
31	Dr.P.Sreesudha	MIMO-CDMA Technologies		2022-2023	978-81-19385-95-9	Communication Technologies
32	P Sreesudha	MC-CDMA based on STBC		2022-2023	978-620-6-18464-5	Communication Technologies
33	Sunitha Tappari	IoT Based Smart Home Automation And Security		2022-2023	978-620-6-68526-5	Computer Networking and Security
34	Sunitha Tappari	Under Water Image Enhancement		2022-2023	978-620-6-73716-2	Signal and Image Processing
35	Vikas V	64-bit RISC Processor using VHDL		2022-2023	978-620-6-18325-9	Embedded Systems and IoT
36	Dr.K.Rama Linga Reddy	2023 9th International Conference on Advanced Computing and Communication Systems (ICACCS)	Channel Estimation and Signal Detection in OFDM Systems using Deep Learning	2022-2023	979-8-3503-9737-6	Communication Technologies
37	Dr.M.Vijaya Lakshmi	International Advanced Computing Conference	Channel estimation of mm wave massive MIMO systems using large intelligent system	2022-2023	978-3-031-35644-5	Communication Technologies
38	Dr.K.Rama Linga Reddy	2022 Fourth International Conference on Emerging Research in Electronics, Computer Science and Technology (ICERECT)	A General Regression Neural Network based Blurred Image Restoration	2022-2023	978-1-6654-5635-7	Signal and Image Processing
39	Dr.G.Srivalli	World Conference on Applied Sciences, Engineering and Management	A broadband MIMO array with Gap Coupling for 5G Applications	2022-2023	13: 978-81-930222-8-3	Communication Technologies
40	Mr.A.Chandra Shaker	International Conference on Intelligent Computing and Communication (ICICC-2022)	Dragon Fruit Stem Disease Detection Using Image Processing	2022-2023	978-981-99-1588-0	Signal and Image Processing
41	Mr.G.Krishna Reddy	Third International Conference on Smart Electronics and Communication (ICOSEC 2022) CNCE,Tamilnadu	BER Analysis of MIMO-OFDM System using STBC and V-BLAST	2022-2023	978-1-6654-9764-0	Communication Technologies
42	Dr. Rajkumar L. Biradar	2023 Fifth International Conference on Electrical, Computer and Communication Technologies (ICECCT)	MU-MIMO User Selection & OFDMA in 802.11AX-Based Wi-Fi Networks	2022-2023	978-1-6654-9360-4	Communication Technologies

43	Dr.A.Naveena	Wireless Sensor Networks Principles		2021-2022	979-8-8855-5732-0	Embedded Systems and IoT
44	Dr.A.Naveena	Deep Learning and Applications		2021-2022	979-8-8855-5732-0	Computer Networking and Security
45	Dr.M.Vijaya Lakshmi	IEEE, Advances in electrical, computing, communication and sustainable technologies, April 2022	Improved Selective Mapping Technique for reduction of PAPR in MIMO-OFDM Wireless Communication	2021-2022	978-1-6654-1120-2	Communication Technologies
46	Mrs.Vulugundam Anitha	Terahertz Wireless Communication Components and System Technologies, A 10-Element Series Fed Non-uniform High Directional Planar Antenna Array at 0.3 THz	A 10-Element Series Fed Non-uniform High Directional Planar Antenna Array at 0.3 THz	2021-2022	978-981-16-9182-9	Communication Technologies
47	Mr.A.Chandra Shaker	International Conference on Innovative Computing, Informatics and Advanced Communication Systems (ICICIAC-2022)	IoT Based Smart College Bus Transport System	2021-2022	978-0-7354-4634-2	Embedded Systems and IoT
48	Mrs.Vulugundam Anitha	IEEE Indian Conference on Antennas and Propagation (InCAP	A Planar High Directional Bow-tie Yagi-Uda Antenna for Compact THz Wireless Devices	2021-2022	978-1-6654-0110-4	Communication Technologies
49	Dr.Rajkumar L Biradar	6th International Conference on Information and Communication Technology for Intelligent Systems	Performance Evaluation of Biharmonic Function-Based Image inpainting Approach	2021-2022	978-981-19-3570-1	Signal and Image Processing
50	Dr. Rajkumar L. Biradar	IEEE 4th International Conference on Smart system and Inventive Technology (ICSSIT-2022)	"Performance Analysis of Image inpainting using K-Nearest Neighbor "	2021-2022	978-1-6654-0117-3	Signal and Image Processing
51	Dr.M.Vijaya Lakshmi	2021 IEEE International conference on Electrical,computer and communication Technologies	Performance Enhancement of Training Based Channel Estimation in MIMO-OFDM system	2021-2022	978-1-6654-1480-7	Communication Technologies
52	Dr.M.Vijaya Lakshmi	12 thInternational conference on recent Engineering and technology,	PAPR reduction of OFDM signals using N-PTS Scheme with low computational complexity	2021-2022	978-93-5406-579-8	Communication Technologies
53	Mrs.T.Sunitha	International Conference on Advances in Engineering, Science and Management (ICAESM-2021)	Simulation of Successive Interference cancellation of NOMA	2021-2022	978-93-90214-18-1	Communication Technologies
54	Mr.V.Vikas	Innovative Data Communication Technologies and Application	Data Optimization based Security Enhancement in 5G Edge Deployments	2020-2021	978-3-030-38040-3	Computer Networking and Security
55	Dr.G.Srivalli	9th WCSEM Conference, Paris, France, 17 Dec, 2020	Gap Coupled Four Element MIMO Array for 5G Applications	2020-2021	979-8-3503-9922-6	Communication Technologies
56	Dr.Rajkumar L Biradar	2020 4th International Conference on Electronics, Communication and Aerospace Technology (ICECA)	PAPR Reduction in Space Time Coded MIMO-OFDM Systems using SCS-SLM Technique	2020-2021	978-1-7281-6387-1	Communication Technologies
57	Ms.G.Swetha	2020 4th International Conference on Electronics, Communication and Aerospace Technology (ICECA)	Implementation on Non linear adaptive equalizer for MIMO OFDM in Wireless Communication	2020-2021	978-1-7281-6387-1	Communication Technologies
58	Dr.M.Vijaya Lakshmi	International conference on robotics design and applications using wireless sensor networks,IOT,Artificial intelligence	Improved training based channel estimation technique for MIMO-OFDM system	2020-2021	978-93-89107-33-3	Communication Technologies
59	Dr.M.Vijaya Lakshmi	International conference on robotics design and applications using wireless sensor networks,IOT,Artificial intelligence	Training Based Channel Estimation Technique Using Improved LMS Algorithm for MIMO-OFDM System	2020-2021	978-93-89107-33-3	Communication Technologies

60	Dr.M.Vijaya Lakshmi	International conference on robotics design and applications using wireless sensor networks,IOT,Artificial intelligence	Performance of QAM System with Convolutional Codes	2020-2021	978-93-89107-33-3	Communication Technologies
61	Dr.K.Rama Linga Reddy	International conference on IoT in Social, Mobile, Analytics and Cloud (I-SMAC-IEEE)	A Comprehensive study on Vertical Handover for IEEE 802.21 Wireless Networks	2020-2021	978-1-7281-5464-0	Communication Technologies



Figure. B.5.5.1. Screenshot of department Profile in Vidwan website

C. Course Developments

The table outlines the faculty members names and the corresponding courses they have developed.

Table B.5.5.7. List of courses developed by faculty members in correlation with core competencies

S.No	COURSE	DEVELOPED BY	THRUST AREA
1	Digital Image Processing, Wireless Communications	Dr.K.Ramalinga Reddy	Communication Technologies
2	Antennas and wave propagation, Electromagnetic Theory	Dr.Rajkumar L Biradar	Communication Technologies, Signal and Image Processing
3	Digital Signal Processing, Radar Systems	Mr.G.Krishna Reddy	Signal and Image Processing, Communication Technologies
4	Digital Image Processing, Microprocessors and Microcontrollers, Python Programming	Mr.N.Rama Krishna	Signal and Image Processing, Embedded Systems and IoT
5	Telecommunication Switching Systems and Networks, Voice over Internet Protocol	Dr.A.Naveena	Computer Networking and Security
6	Probability Theory and Stochastic Processes, Signals & Systems	Dr.M.Vijaya Lakshmi	Communication Technologies, Signal and Image Processing
7	Electronic Devices and Circuits, VLSI Design	Dr.T.Sunitha	Communication Technologies, Embedded Systems and IoT
8	Wireless Communications, Digital System Design, 4G Technologies	Dr. P. Sreesudha	Signal and Image Processing, Communication Technologies
9	Network Theory, Digital Electronics, Antennas and Wave Propagation	Mrs.V.Anitha	Communication Technologies, Signal and Image Processing

10	Telecommunication Switching Systems and Networks, Principles of Computer Networks, Internetworking, Fundamentals of IoT	Mr.V.Vikas	Computer Networking and Security, Embedded Systems and IoT
11	Analog Circuits, Analog Electronics	Mr.A.Chandra Shaker	Communication Technologies
12	Analog and Digital Communications, Linear Control Systems	Mrs.M.Jyothsna	Communication Technologies
13	Electronic Measurements and Instrumentation	Ms K.Pranathi	Communication Technologies
14	Analog Electronics, Control Systems	Mrs.A.Rajitha	Communication Technologies
15	Digital Electronics	Mr.G.Hari Krishna	Communication Technologies

D. E-content / MOOC content developed

Table B.5.5.8. List of the Instructional materials provided to the students (Selective only)

S.No.	Resource	Faculty Developed	Resource Link
1	VOIP	Dr.A.NAVEENA (https://drive.google.com/drive/folders/182O2Npjltmb4PFYuK5WH8VJvNqU1tL5?usp=sharing)	VOIP (https://drive.google.com/drive/folders/182O2Npjltmb4PFYuK5WH8VJvNqU1tL5?usp=sharing)
2	Telecommunication Switching Systems and Networks	Dr.A.NAVEENA (https://drive.google.com/drive/folders/182O2Npjltmb4PFYuK5WH8VJvNqU1tL5?usp=sharing)	TSSN (https://drive.google.com/drive/folders/14-mqtXe1qhiOepDQ_sFqZh6CoowldW1X?usp=sharing)
3	Network Security and Cryptography	Dr.A.NAVEENA (https://drive.google.com/drive/folders/182O2Npjltmb4PFYuK5WH8VJvNqU1tL5?usp=sharing)	M Tech (network security and cryptography) (https://drive.google.com/drive/folders/1KJfkGSOxyyA7Rk6RAZBjf07pjg7bjbLF?usp=sharing)
4	Telecommunication Switching Systems and Networks	Mr.V.Vikas (https://drive.google.com/drive/folders/1fsbO6HSUvvn9Zi_dWNszKVN7etSN4m?usp=sharing)	TSSN_MTech (https://drive.google.com/drive/folders/1fsbO6HSUvvn9Zi_dWNszKVN7etSN4m?usp=sharing)
5	Network Security and Cryptography	Mr.V.Vikas (https://drive.google.com/drive/folders/1fsbO6HSUvvn9Zi_dWNszKVN7etSN4m?usp=sharing)	Network Security and Cryptography_MTech (https://drive.google.com/drive/folders/1X9Gu4LoVbhnpMtiXYcrgsTfQub5QUTo9?usp=sharing)
6	Internetworking	Mr.V.Vikas (https://drive.google.com/drive/folders/1fsbO6HSUvvn9Zi_dWNszKVN7etSN4m?usp=sharing)	Internetworking_MTech and BTech (https://drive.google.com/drive/folders/1wJTKFzgpPtLQNIgPwPitJ2VSG3bq6pU?usp=sharing)
7	EM Theory	Dr. Rajkumar L Biradar	https://youtube.com/@dr.rajkumarl.biradar4129?si=06ZzkWQYlJwmFA5 (https://youtube.com/@dr.rajkumarl.biradar4129?si=06ZzkWQYlJwmFA5)
8	Analog Electronics Lab	Mrs. V. Anitha	https://youtube.com/playlist?list=PLQJ3MPMyKhS4h2qr51xUuifNwiK0pwwd&si=InJMII1CKH723CGQ (https://youtube.com/playlist?list=PLQJ3MPMyKhS4h2qr51xUuifNwiK0pwwd&si=InJMII1CKH723CGQ)
9	Digital Electronics Lab	Mrs. V. Anitha	https://youtube.com/playlist?list=PLQJ3MPMyKhS4wkACvV4gEg-fBIULYY9F&si=hik-LzrKcixw6hi9 (https://youtube.com/playlist?list=PLQJ3MPMyKhS4wkACvV4gEg-fBIULYY9F&si=hik-LzrKcixw6hi9)

10	Network Theory	Mrs. V. Anitha	https://youtube.com/playlist?list=PLQJ3MPMyKhS65hNk0sOiMrZE7AzdKqgY&si=UwCK13dVqQFrDq7B (https://youtube.com/playlist?list=PLQJ3MPMyKhS65hNk0sOiMrZE7AzdKqgY&si=UwCK13dVqQFrDq7B)
11	Computer Networks	Mr. V Vikas	https://youtu.be/MsWsw9dQw-0?si=yvdJJSuO02WNM6fE (https://youtu.be/MsWsw9dQw-0?si=yvdJJSuO02WNM6fE)
12	Arduino Introduction with Tinkercad	Mr. V Vikas	https://youtu.be/jWRk4h0lj-4?si=6ILX_-FAtU82CFN (https://youtu.be/jWRk4h0lj-4?si=6ILX_-FAtU82CFN)
13	Digital Electronics	Mr. A. Chandra Shaker	https://youtube.com/playlist?list=PL2nA5Hmk-TnHRrx60_R--KyBA9cIEV2ZA&si=eGULj7ARf5xeNxoP (https://youtube.com/playlist?list=PL2nA5Hmk-TnHRrx60_R--KyBA9cIEV2ZA&si=eGULj7ARf5xeNxoP)
14	Embedded System Design	Mr. A. Chandra Shaker	https://youtube.com/playlist?list=PL2nA5Hmk-TnEUYLxLHldYSgAu9FfGwpNB&si=iPt2Mwx6B46AOqQL (https://youtube.com/playlist?list=PL2nA5Hmk-TnEUYLxLHldYSgAu9FfGwpNB&si=iPt2Mwx6B46AOqQL)

E. Faculty as BoS Members

The departmental faculty also extended their service to develop courses in the branch of Electronics and Communication Engineering (ECE) as well as Electronics and Telematics Engineering (ETE)

Table B.5.5.9. Details of the faculty as BoS Members

S.No.	Name of the Faculty	BoS Member	
		Name of the department	Name of the College
1	Dr.Rajkumar L Biradar	ETE	GNITS
		ECE	J.B. Institute of Engineering & Technology, Hyderabad, Telangana.
		ECE	PDACEG, Kalaburagi, Karnataka.
2	Dr.K.Rama Linga Reddy	ETE, BOS Chairman	GNITS
		ECE	Jawaharlal Nehru Technological University, Hyderabad
		ECE	CMR Engineering College, Hyderabad
		ECE	G Pulla Reddy Engineering College, Kurnool
		ECE	AITs, Kadapa
3	Mr. G. Krishna Reddy	ETE	GNITS
4	Dr. A.Naveena	ETE	GNITS
5	Dr. M.Vijaya Lakshmi	ETE	GNITS

F. Faculty as Invited Speakers/ Resource Persons

Faculty members serve as valuable resource persons and invited speakers, contributing their expertise and knowledge to various forums and events within the academic community.

Table B.5.5.10. Details of the faculty as Expert Lecture/ Talk/ Invited Session/ Keynote Address/ Chief Guest or Guest of Honor/ Name of the Conference/Seminar /Workshop/Symposia/Judge

S.No.	Name of the faculty	Expert Lecture/ Talk/ Invited Session/ Keynote Address/ Chief Guest or Guest of Honor/ Name of the Conference/Seminar /Workshop/Symposia/Judge	Event/Programme details (with Programme Name, Theme, Organizers, Venue, Duration etc.)	Period

1	Dr. Rajkumar L Biradar	Session Chair	ICDSMLA-23 held at GNITS	15-12-2023 and 16-12-2023
2	Dr. Rajkumar L Biradar	Judge	Poster Presentation held at CBIT	18-11-2023
3	Dr. Rajkumar L Biradar	Session Chair	AATM-23 held at JBIET	10-3-2023 and 11-3-2023
4	Dr.K.Rama Linga Reddy	Session Chair	ICASPACE-2021 held at MGIT	30-07-2021
5	Dr. Rajkumar L Biradar	Expert Lecture	3-week refresher course on Systems & Signal Processing at JNTUH Hyderabad	20-03-2019
6	Dr.K.Rama Linga Reddy	Session Chair	ICSPECS - 2019 Conference held at G. Pullareddy Engineering College.	11-01-2019 and 12-01-2019

G.Membership in Professional Bodies

Many of the faculty members of the program hold memberships in prestigious professional bodies, enriching their knowledge and staying updated with the latest industry trends and practices.

Table B.5.5.11 Details of the Faculty Membership in Professional Bodies

S.No.	Name of the faculty	Designation	Membership Type
1	Dr. K.Rama Linga Reddy	Professor and Dean Academics	IETE, ISTE
2	G.Krishna Reddy	Associate Professor	IETE, ISTE
3	Dr.G.Srivalli	Assistant Professor	MIE
4	N.Rama Krishna	Assistant Professor	IAENG,IACSIT
5	A.Naveena	Assistant Professor	IETE
6	M.Vijaya Lakshmi	Assistant Professor	ISTE
7	T.Sunitha	Assistant Professor	ISTE
8	K.Sarada	Assistant Professor	ISTE
9	P. Sreesudha	Assistant Professor	ISTE

H.Faculty Development Programs Conducted/Organized

Faculty actively conduct and organize Faculty Development Programs (FDPs), workshops, and seminars, providing valuable learning opportunities and professional development initiatives for both faculty members and students.

Table B.5.5.12 Details of the FDP/Workshops/Seminars Conducted

S.No.	Title of the Program	Co-ordinator	Period	Competencies (area)
1	6-day workshop on Embedded Systems and IoT	G. Krishna Reddy	16-12-2023 to 23-12-2023	Embedded Systems and IoT
2	One day Seminar on Trends in VLSI Design, fabrication and design flow of SOC	Dr. T. Sunitha	22-08-2023	Signal and Image Processing
3	Hands-on Workshop on Machine Learning	Dr.A.Naveena	09-05-2023 to 11-05-2023	Signal and Image Processing
4	One day workshop on "IoT Based Real Time Applications Using Raspberry Pi"	Dr.A.Naveena	16-11-2022	Embedded Systems and IoT
5	A 3 day hands-on workshop on "Cyber Security and Ethical Hacking"	Dr.A.Naveena	28-03-2022 to 30-03-2022	Computer Networking and Security

6	A 10 day Online FDP on Artificial Intelligence and Machine Learning: Real Time Applications (sponsored by E & ICT, NIT Warangal, Meity, Gol)	Dr.A.Naveena	20-09-2021 to 30-09-2021	Signal and Image Processing
7	A 10 day Online FDP on Recent and Emerging Trends in Wireless Communication: 4G and 5G Technologies (sponsored by E & ICT, NIT Warangal, Meity, Gol)	Dr.Rajkumar L Biradar	06-09-2021 to 16-09-2021	Communication Technologies

I. FDPs / Training programs / Workshops / Seminars / Series of Webinars/ Online Courses attended in relevance to the academic specialization

Table B.5.5.13 FDPs attended by faculty in AY 2022-23

S.No.	Name of the Faculty	Name of the program attended	Date	Duration (days)	Link to view the document
1	G. Krishna Reddy	FDP on Introduction to Machine Learning (NPTEL)	25-07-2022 to 16-09-2022	56	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_30gkr.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_30gkr.pdf)
		Workshop on 5G NOMA Communications	12-08-2022 to 13-08-2022	2	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_40gkr.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_40gkr.pdf)

2	N.Rama Krishna	FDP on Introduction to Programming in C (NPTEL)	23-01-2023 to 17-03-2023	56	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_3-nrk.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_3-nrk.pdf)
		Workshop on Embedded RTOS	13-02-2023 to 10-03-2023	25	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_4nrk.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_4nrk.pdf)
		FDP on Raspberry Pi and its Interfacing	27-02-2023 to 03-03-2023	5	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_5nrk.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_5nrk.pdf)
		Refresher Course on Crash Course on Python	14-01-2023	1	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_8nrk.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_8nrk.pdf)
		FDP on Interpersonal Skills and Relationship Management	19-12-2022 to 23-12-2022	5	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_9nrk.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_9nrk.pdf)
		Workshop on Code Quality and Codeless Automation	26-11-2022	1	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_14nrk.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_14nrk.pdf)
		Conference on AWSOME DAY	29-09-2022	1	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_27nrk.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_27nrk.pdf)
		FDP on Design Thinking – A Primer (NPTEL)	22-08-2022 to 16-09-2022	28	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_29nrk.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_29nrk.pdf)

3	Dr.A.Nave ena	FDP on AI/ML for Computer Vision and Medical Image Analysis Applications	03-12-2022 to 12-12-2022	10	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_10an.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_10an.pdf)
		FDP on Cloud Computing (NPTEL)	25-07-2022 to 14-10-2022	84	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_18an.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_18an.pdf)
		FDP on Mentoring Pedagogy and Techniques for Enriched Learning Experience to Diversified Learners in Technical Education	22-08-2022 to 01-09-2022	7	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_33an.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_33an.pdf)
		Workshop on 5G NOMA Communications	12-08-2022 to 13-08-2022	2	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_41an.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_41an.pdf)
		FDP on Data Science for Engineering Applications: Theory and Practice	11-07-2022 to 20-07-2022	7	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_48an.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_48an.pdf)
4	Dr.M.Vijay a Lakshmi	FDP on AI/ML for Computer Vision and Medical Image Analysis Applications	03-12-2022 to 12-12-2022	10	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_11mvl.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_11mvl.pdf)
		FDP on Essential Mathematics for Machine Learning (NPTEL)	25-07-2022 to 14-10-2022	84	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_19mvl.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_19mvl.pdf)
5	Dr.T.Sunith a	FDP on AI/ML for Computer Vision and Medical Image Analysis Applications	03-12-2022 to 12-12-2022	10	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_12ts.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_12ts.pdf)
		FDP on Introduction to Machine Learning (NPTEL)	25-07-2022 to 16-09-2022	56	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_31ts.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_31ts.pdf)

6	Dr. P. Sreesudha	STTP on Alumni Leadership Program	24-02-2023 to 27-02-2023	4	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_6pss.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_6pss.pdf)
		FDP on Introduction to Industry 4.0 and Industrial Internet of Things (NPTEL)	25-07-2022 to 14-10-2022	84	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_20pss.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_20pss.pdf)
		FDP on Cloud Computing (NPTEL)	25-07-2022 to 14-10-2022	84	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_21pss.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_21pss.pdf)
7	V.Anitha	FDP on Programming in Java (NPTEL)	25-07-2022 to 14-10-2022	84	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_22va.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_22va.pdf)
		FDP on Research Methodology and Authoring, Reviewing Manuscripts	22-07-2022 to 05-08-2022	14	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_46va.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_46va.pdf)
		Conference on ATMS-2022	21-07-2022 to 23-07-2022	3	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_47va.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_47va.pdf)
8	V.Vikas	FDP on Systems and Usable Security (NPTEL)	23-01-2023 to 17-02-2023	28	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_7vv.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_7vv.pdf)
		Workshop on Designing and Modelling of IoT, AI & ML Systems	01-08-2022 to 05-08-2022	5	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_43vv.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_43vv.pdf)

9	A.Chandra Shaker	FDP on Introduction to Industry 4.0 and Industrial Internet of Things (NPTEL)	25-07-2022 to 14-10-2022	84	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_23acs.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_23acs.pdf)
		Refresher course on Complete Guide to Freelancing in 2022: Zero to Mastery	22-09-2022	1	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_28acs.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_28acs.pdf)
		FDP on Mentoring Pedagogy and Techniques for Enriched Learning Experience to Diversified Learners in Technical Education	22-08-2022 to 01-09-2022	7	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_34acs.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_34acs.pdf)
		Conference on AWS INNOVATE	23-08-2022 to 25-08-2022	3	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_37acs.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_37acs.pdf)
10	M. Jyothisna	FDP on Principles of Signal Estimation for MIMO/OFDM Wireless Communication (NPTEL)	25-07-2022 to 14-10-2022	84	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_24mj.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_24mj.pdf)
		FDP on Principles and Techniques of Modern Radar Systems (NPTEL)	25-07-2022 to 14-10-2022	84	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_25mj.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_25mj.pdf)
		Refresher course on The Complete Machine Learning Course with Python	28-07-2022	1	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_45mj.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_45mj.pdf)

11	A.Sneha Keerthi	Workshop on IoT Based Real Time Applications using Raspberry Pi	16-11-2022	1	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_16ask.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_16ask.pdf)
		FDP on Mentoring Pedagogy and Techniques for Enriched Learning Experience to Diversified Learners in Technical Education	22-08-2022 to 01-09-2022	7	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_35ask.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_35ask.pdf)
		FDP on Introduction to Machine Learning (NPTEL)	25-07-2022 to 16-09-2022	56	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_32ask.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_32ask.pdf)
		FDP on AI and Machine Learning in Biometric Recognition	16-08-2022 to 25-08-2022	10	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_38ask.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_38ask.pdf)

12	K. Pranathi	FDP on Cyber Security	02-12-2022 to 03-12-2022	2	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_13kp.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_13kp.pdf)
		Conference on ICICC-22	18-11-2022 to 19-11-2022	2	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_15kp.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_15kp.pdf)
		Workshop on IoT Based Real Time Applications using Raspberry Pi	16-11-2022	1	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_17kp.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_17kp.pdf)
		STTP on Certified Embedded Software Engineer	10-10-2022	183	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_26kp.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_26kp.pdf)
		FDP on Mentoring Pedagogy and Techniques for Enriched Learning Experience to Diversified Learners in Technical Education	22-08-2022 to 01-09-2022	7	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_36kp.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_36kp.pdf)
		FDP on AI and Machine Learning in Biometric Recognition	16-08-2022 to 25-08-2022	10	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_39kp.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_39kp.pdf)
		Workshop on 5G NOMA Communications	12-08-2022 to 13-08-2022	2	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_42kp.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_42kp.pdf)
		FDP on MATLAB and SIMULINK basics for Hardware Projects	01-08-2022 to 05-08-2022	5	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_44kp.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-ete-fdp-2022-2023_44kp.pdf)

Table B.5.5.14 FDPs attended by faculty in AY 2021-22

S.No.	Name of the Faculty	Name of the program attended	Date	Duration (days)	Link to view the document
-------	---------------------	------------------------------	------	-----------------	---------------------------

1	Dr.K.Rama Linga Reddy	Artificial Intelligence And Machine: Real Time Applications	20-09-2021 to 30-09-2021	11	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-46_krl.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-46_krl.pdf)
		Recent and Emerging Trends in Wireless Communications:4G and 5G Technologies	06-09-2021 to 16-09-2021	11	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-54_krl.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-54_krl.pdf)
2	Dr.Rajkumar L Biradar	Online FDP on Advanced Technologies and Challenges in Electronics and Communication Engineering	08-03-2022 to 12-03-2022	5	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-31_lbr.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-31_lbr.pdf)
		Online FDP on Artificial Intelligence and Machine Learning with Python Programming	11-10-2021 to 22-10-2021	12	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-44_lbr.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-44_lbr.pdf)
3	G.Krishna Reddy	Online IP Awareness/Training Program	17-06-2022	1	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-6_gkr.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-6_gkr.pdf)
		Artificial Intelligence And Machine: Real Time Applications	20-09-2021 to 30-09-2021	11	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-47_gkr.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-47_gkr.pdf)
		Recent and Emerging Trends in Wireless Communications:4G and 5G Technologies	06-09-2021 to 16-09-2021	11	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-55_gkr.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-55_gkr.pdf)

4	N.Rama Krishna	Successfully completed Getting Started with Kaggle	23-05-2022	1	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-12_nrk.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-12_nrk.pdf)
		The Joy of Computing using Python	01-01-2022 to 01-04-2022	91	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-16_nrk.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-16_nrk.pdf)
		Successfully completed Build a Data Science Web App with Streamlit and Python	29-04-2022	1	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-19_nrk.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-19_nrk.pdf)
		Successfully completed Basic Image Classification with TensorFlow	18-03-2022	1	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-30_nrk.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-30_nrk.pdf)
		NPTEL-VuNet Data-Centric AI Masterclass	22-01-2022 to 23-01-2022	2	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-36_nrk.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-36_nrk.pdf)
		Designing Learner-Centric MOOCs	01-01-2022 to 01-02-2022	32	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-37_nrk.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-37_nrk.pdf)

5	Dr.A.Naveen a	Academic Research Integrity in the context of NEP-2020	30-06-2022	1	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-1_an.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-1_an.pdf)
		NEP-2020 Implementation Plan: Multiple Entry and Exit System	29-06-2022	1	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-2_an.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-2_an.pdf)
		NEP-2020 Implementation Plan: Outcome Based Education & Academic Bank of Credits	28-06-2022	1	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-3_an.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-3_an.pdf)
		NEP-2020 Implementation Plan: Multidisciplinary and Holistic Education	18-06-2022	1	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-4_an.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-4_an.pdf)
		Online IP Awareness/ Training Program	17-06-2022	1	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-5_an.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-5_an.pdf)
		Successfully completed self-paced training course on Deep Learning Onramp	30-04-2022	1	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-18_an.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-18_an.pdf)
		Successfully completed self-paced training course on Machine Learning Onramp	28-04-2022	1	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-20_an.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-20_an.pdf)
		Online workshop on Cyber Security and Ethical Hacking	28-03-2022 to 30-03-2022	3	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-28_an.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-28_an.pdf)
		Short term course on Concepts in Measurement, Laboratory Experiment and Modelling of Atmospheric Aerosols	07-03-2022 to 12-03-2022	6	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-32_an.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-32_an.pdf)
		Introduction to Industry 4.0 and Industrial Internet of Things	01-07-2021 to 01-10-2021	93	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-43_an.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-43_an.pdf)
Recent and Emerging Trends in Wireless Communications:4G and 5G Technologies	06-09-2021 to 16-09-2021	11	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-56_an.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-56_an.pdf)		

6	Dr.M.Vijaya Lakshmi	Evolution of Air Interface towards 5G	01-02-2022 to 01-04-2022	60	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-17_mvl.pdf
		Signal Processing for mm Wave communication for 5G and Beyond	01-07-2021 to 01-10-2021	93	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-42_mvl.pdf
		Recent and Emerging Trends in Wireless Communications:4G and 5G Technologies	06-09-2021 to 16-09-2021	11	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-57_mvl.pdf
7	T.Sunitha	Artificial Intelligence And Machine:Real Time Applications	20-09-2021 to 30-09-2021	11	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-48_ts.pdf
		Recent and Emerging Trends in Wireless Communications:4G and 5G Technologies	06-09-2021 to 16-09-2021	11	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-58_ts.pdf
8	P.Sree Sudha	Introduction to Internet of Things	01-07-2021 to 01-10-2021	93	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-41_pss.pdf
		Artificial Intelligence And Machine:Real Time Applications	20-09-2021 to 30-09-2021	11	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-49_pss.pdf
		Recent and Emerging Trends in Wireless Communications:4G and 5G Technologies	06-09-2021 to 16-09-2021	11	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-59_pss.pdf
9	V.Anitha	Artificial Intelligence And Machine:Real Time Applications	20-09-2021 to 30-09-2021	11	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-50_va.pdf
		Recent and Emerging Trends in Wireless Communications:4G and 5G Technologies	06-09-2021 to 16-09-2021	11	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-60_va.pdf

10	V.Vikas	Online IP Awareness/ Training Program	17-06-2022	1	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-7_vv.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-7_vv.pdf)
		Understanding research metrics and Finding relevant journals to read and publish in	05-05-2022	1	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-14_vv.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-14_vv.pdf)
		Online Workshop on Smartphones and Data Science	11-02-2022	1	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-34_vv.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-34_vv.pdf)
		IP Awareness Training Program under National Intellectual Property Awareness Mission	29-01-2022	1	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-33_vv.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-33_vv.pdf)
		5days short Term Training on REACT JS	06-12-2021 to 10-12-2021	5	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-40_vv.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-40_vv.pdf)
		Artificial Intelligence And Machine: Real Time Applications	20-09-2021 to 30-09-2021	11	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-51_vv.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-51_vv.pdf)

11	A.Chandra Shaker	Online IP Awareness/ Training Program	17-06-2022	1	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-8_acs.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-8_acs.pdf)
		Understanding research metrics and Finding relevant journals to read and publish in	05-05-2022	1	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-15_acs.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-15_acs.pdf)
		Emerging Technologies: From Smartphones to IoT to Big Data	27-04-2022	1	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-21_acs.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-21_acs.pdf)
		AR (Augmented Reality) & Video Streaming Services Emerging Technologies	27-04-2022	1	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-22_acs.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-22_acs.pdf)
		IoT Wireless & Cloud Computing Emerging Technologies	15-04-2022	1	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-26_acs.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-26_acs.pdf)
		Smart Device & Mobile Emerging Technologies	04-04-2022	1	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-27_acs.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-27_acs.pdf)
		Big Data Emerging Technologies	26-03-2022	1	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-29acs.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-29acs.pdf)
		IP Awareness Training Program under National Intellectual Property Awareness Mission	29-01-2022	1	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-35_acs.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-35_acs.pdf)
		National Seminar on Synergizing Higher Education in the context of NEP:2020: Strategies for Implementation	22-12-2021 to 23-12-2021	2	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-38_acs.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-38_acs.pdf)
		5days short Term Training on REACT JS	06-12-2021 to 10-12-2021	5	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-39_acs.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-39_acs.pdf)
Artificial Intelligence And Machine: Real Time Applications	20-09-2021 to 30-09-2021	11	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-52_acs.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-52_acs.pdf)		

12	M.Jyothisna	Successfully completed Machine Learning A-Z: Hands-On Python & R In Data Science	24-05-2022	1	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-11_mj.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-11_mj.pdf)
		AWS and Machine Learning	04-10-2021 to 13-10-2021	10	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-45_mj.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-45_mj.pdf)
		Artificial Intelligence And Machine: Real Time Applications	20-09-2021 to 30-09-2021	11	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-53_mj.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-53_mj.pdf)
		Recent and Emerging Trends in Wireless Communications:4G and 5G Technologies	06-09-2021 to 16-09-2021	11	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-61_mj.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-61_mj.pdf)
13	G.Swetha	Recent and Emerging Trends in Wireless Communications:4G and 5G Technologies	06-09-2021 to 16-09-2021	11	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-62_gs.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-62_gs.pdf)
14	A.Sneha Keerthi	Online IP Awareness/ Training Program	17-06-2022	1	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-9_ask.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-9_ask.pdf)
		Successfully completed self-paced training course on Deep Learning Onramp	26-04-2022	1	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-24_ask.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-24_ask.pdf)
		Successfully completed self-paced training course on Machine Learning Onramp	25-04-2022	1	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-25_ask.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-25_ask.pdf)
15	K.Pranathi	Online IP Awareness/Training Program	17-06-2022	1	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-10_kp.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-10_kp.pdf)
		Successfully completed self-paced training course on Deep Learning Onramp	12-05-2022	1	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-13_kp.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-13_kp.pdf)
		Successfully completed self-paced training course on Machine Learning Onramp	26-04-2022	1	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-23_kp.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2021_2022-23_kp.pdf)

Table B.5.5.15 FDPs attended by faculty in AY 2020-21

S.No.	Name of the Faculty	Name of the program attended	Date	Duration (days)	Link to view the document
1	Dr.Rajkumar L.Biradar	Research Trends in Image Processing with Machine Learning and Deep Learning	21-07-2020 to 25-07-2020	5	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-26_lbr.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-26_lbr.pdf)
		FDP on Intellectual Property Rights	13-07-2020 to 17-07-2020	5	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-32_lbr.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-32_lbr.pdf)
2	G.Krishna Reddy	FDP on Intellectual Property Rights	13-07-2020 to 17-07-2020	5	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-35_gkr.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-35_gkr.pdf)
		FDP on Various Research Opportunities in Electronics and Communication Engineering	01-07-2020 to 03-07-2020	3	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-44_gkr.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-44_gkr.pdf)
3	N. Rama Krishna	Successfully completed Image Processing Onramp	08-10-2020	1	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-19_nrk.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-19_nrk.pdf)
		Webinar on Data Analytics and Machine learning in Real world	12-09-2020	1	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-21_nrk.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-21_nrk.pdf)
		FDP on Virtual Labs Fiddle with Virtual Components	04-09-2020	1	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-24_nrk.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-24_nrk.pdf)
		FDP on Challenges in Computer Vision using Deep Learning & IoT Protocols	20-07-2020 to 24-07-2020	5	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-27_nrk.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-27_nrk.pdf)
		Online FDP on Intellectual Property Rights	13-07-2020 to 17-07-2020	5	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-36_nrk.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-36_nrk.pdf)

4	Dr.A.Naveen a	Online webinar on Implementation of National Education Policy-2020	28-05-2021	1	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-1_an.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-1_an.pdf)
		Industrial Training in Data Science Using Python	17-05-2021 to 31-05-2021	15	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-2_an.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-2_an.pdf)
		FDP on Modern Techniques for Wireless Communication	17-05-2021 to 21-05-2021	5	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-3_an.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-3_an.pdf)
		FDP on Policy Initiative and Quality Enhancement in Higher Education	05-05-2021 to 11-05-2021	7	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-5_an.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-5_an.pdf)
		Online Course on Programming for Everybody (Getting started with Python)	24-03-2021	1	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-6_an.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-6_an.pdf)
		Workshop on Research Methodology	01-03-2021	1	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-8_an.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-8_an.pdf)
		Webinar on Intellectual Property Rights: Challenges in Science and Technology	26-02-2021	1	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-9_an.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-9_an.pdf)
		Workshop on NIRF for Higher Educational Institutions	06-02-2021	1	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-10_an.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-10_an.pdf)
		FDP on Wearable Devices	01-02-2021 to 05-02-2021	5	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-11_an.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-11_an.pdf)
		Workshop on Entrepreneurship Development	22-12-2020	1	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-14_an.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-14_an.pdf)

		Webinar on GUI Independent Spice netlisting, Spice Simulation in ionic cloud using immesam ecosystem tools	18-07-2020	1	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-29_an.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-29_an.pdf)
		Online FDP on Intellectual Property Rights	13-07-2020 to 17-07-2020	5	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-39_an.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-39_an.pdf)
		Online FDP on Data Science Behind Natural Language Processing	06-07-2020 to 10-07-2020	5	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-43_an.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-43_an.pdf)
5	Dr.M.Vijaya Lakshmi	Online FDP on wireless sensor network simulation using NS2	10-05-2021 to 15-05-2021	6	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-4_mv1.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-4_mv1.pdf)
		Short course on python for 5G MU, Massive MIMO and mm wave MIMO	21-12-2020 to 30-12-2020	10	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-13_mv1.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-13_mv1.pdf)
		Online STTP on Recent Advances in Wireless Communications & Future Challenges	13-07-2020 to 18-07-2020	6	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-34_mv1.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-34_mv1.pdf)
6	T. Sunitha	Online FDP on Intellectual Property Rights	13-07-2020 to 17-07-2020	5	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-38_ts.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-38_ts.pdf)
7	K.Sarada	Online FDP on Academic Quality Assurance Through Outcome Based Education	08-07-2020 to 18-07-2020	11	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-40_ks.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-40_ks.pdf)
		Successfully completed Programming for Everybody	07-07-2020	1	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-42_ks.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-42_ks.pdf)

8	V.Anitha	Modern Antennas for Present and Futuristic Wireless Communication Technology	08-03-2021 to 13-03-2021	6	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-7_va.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-7_va.pdf)
		FDP on Advanced Optimization Techniques and hands-on with MATLAB/SCILAB	13-07-2020 to 24-07-2020	12	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-31_va.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-31_va.pdf)
9	V.Vikas	NIRF INIDIA RANKINGS-2021 for Higher Educational Institutions	18-01-2021 to 19-01-2021	2	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-12_vv.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-12_vv.pdf)
		Successfully completed Python Data Science Toolbox (Part1)	31-10-2020	1	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-17_vv.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-17_vv.pdf)
		Successfully completed Python Data Science Toolbox (Part2)	31-10-2020	1	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-18_vv.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-18_vv.pdf)
		Successfully completed Introduction to Python	05-10-2020	1	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-20_vv.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-20_vv.pdf)
		Special Seminar for Principals and Faculty of Engineering Colleges	09-09-2020	1	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-23_vv.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-23_vv.pdf)
		Successfully completed Programming for the Internet of Things Project	19-07-2020	1	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-28_vv.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-28_vv.pdf)
		Online FDP on Intellectual Property Rights	13-07-2020 to 17-07-2020	5	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-37_vv.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-37_vv.pdf)

10	A.Chandra Shaker	Online Course on Blockchain Basics	15-12-2020	1	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-15_acs.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-15_acs.pdf)
		Webinar on Business Opportunities in Soya-Empowering Women in Food Sector	18-11-2020 to 20-12-2020	3	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-16_acs.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-16_acs.pdf)
		Online FDP on Academic Quality Assurance Through Outcome Based Education	08-07-2020 to 18-07-2020	11	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-41_acs.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-41_acs.pdf)
11	M.Jyothsna	Online Training Program on AI for IoT	11-09-2020 to 13-09-2020	3	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-22_mj.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-22_mj.pdf)
		Online Training course on Geospatial Inputs for Enabling Master Plan Formulation	27-07-2020 to 31-07-2020	5	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-25_mj.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-25_mj.pdf)
		Online Training Course on Application of Geoinformatics in Ecological Studies	13-07-2020 to 24-07-2020	12	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-30_mj.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-30_mj.pdf)
12	G.Swetha	Industrial Training on IOT	1-6-2020 to 8-07-2020	37	https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-33_gs.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/07/6-3-4-2020_2021-33_gs.pdf)

J.Faculty Awards/ Achievements

Faculty members have been recognized with numerous awards and achievements, highlighting their dedication, expertise, and contributions to their respective fields.

Table B.5.5.16 Details of the Faculty received Awards/Achievements

S.No.	Name of Recipient	Name of Award	Award Conferred by	Award Date
1	Mr.V.Vikas	NPTEL Motivated Learner	Swayam, IIT Madras	Dec-19
2	Mr.V.Vikas	Discipline Star	Swayam, IIT Madras	Dec-19
3	Mr.V.Vikas	YUVA MENTOR as a CHANGE MAKER	YUVA Incubated in association with K.I.T.E.S Education	20-11-2021
4	Mrs.T.Sunitha	BEST RESEARCH PAPER PRESENTATION	ICAESM-2021	29-11-2021
5	Dr.A.Naveena	NPTEL Discipline Star	Swayam, IIT Madras	Dec-21

6	Dr.A.Naveena	BEST FACULTY AWARD	AAAEAM 2022	27-02-2022
7	Dr.A.Naveena	GNITS STAR WOMAN OF THE YEAR-2022	G.Narayanamma Institute of Technology & Science , (For Women)	08-03-2022
8	Dr.M.Vijaya Lakshmi	NPTEL Discipline Star	Swayam, IIT Madras	Apr-22

K. Patents published/granted

Table B.5.5.17 Details of the Patents Published/Granted

S.No.	Application Title	Details	Application Date	Publication Date	Application No.	Status
1	An Industrial Ground Inspection Robot for Hazardous Environment	Applicants: 1.Dr. A Naveena, 2.Dr. M . Vijayalakshmi, 3.Dr. Maddala Vijayalakshmi	13-02-2022	13-01-2023	358464-001	Granted
2	An AI Powered Pothole Repairing System	Applicants: 1.Dr. M . Vijayalakshmi, 2.Dr. A Naveena	02-03-2022	27-01-2023	359729-001	Granted
3	A Novel Approach and Performance Analysis of Image and Video Inpainting	Applicants: 1.Manjunath R Hudagi, 2.Dr. Sridevi Soma, 3.Dr. Rajkumar L Biradar	13-12-2021	16-06-2023	2021210578 08A	Publish ed
4	Method And System For Enabling Protection From Train Accidents Using Airbags	Applicants: 1. Vippalapalli Vikas 2. Gajulapalli Krishna Reddy 3. Nibhanapuri Ramakrishna 4. Dr. Ambidi Naveena 5. Dr. Maddala Vijaya Lakshmi 6. Dr. Sunitha Tappari 7. Dr. Parnapalli Sree Sudha 8. Vulugundam Anitha	22-12-2023	19-01-2024	2023410887 31 A	Publish ed
5	Method And System For Providing Safety Wear For Immediate Fall Trauma	Applicants: 1. Vippalapalli Vikas 2. Sai Pravallika Gundapaneni 3. Anusha Kurella 4. Myadam Harika 5. Joshitha Palavarapu 6. Dr. Rajkumar L Biradar 7. Divya Kumari Tanakala 8. Anusha Mallepally	24-12-2023	19-01-2024	2023410885 77 A	Publish ed

6	Method And System For Eye Blink Controlled Wheel Chair For The Paralyzed	Applicants: 1. Vippalapalli Vikas 2. Chandra Shaker Arrabotu 3. Vangipuram Badri Rama Krishnan 4. Akshaya Krupa Kalal 5. Bikkanuru Lalithya 6. Bollineni Sahithi 7. Konala Dyuthi	24-12-2023	19-01-2024	2023410885 79 A	Publish ed
7	Advanced Water Monitoring System for Household Applications	1. Dr. Sunitha Tappari 2. Dr.P.Sreesudha 3. Mr. Chandra Shaker Arrabotu 4. Sai Pranavi 5. Ch. Deekshitha Chowdary 6. B.V. Vaishnavi 7. A. Akshaya 8. Dr. Neeli Ramesh	02-01-2024	26-01-2024	2024410001 67 A	Publish ed
8	Device for Detecting Diseased Leaves	1.Dr.Ezhil E Nithila 2.Dr.Sunitha Tappari 3.Mrs.B.Beaula Pinky 4.Dr.Anand Karuppannam 5.Dr.R.Girimurugan	12-10-2023	09-02-2024	397423-001	Publish ed
9	Smart Bag for Women Safety	1. Dr.A. Naveena 2. N. Rama Krishna 3. K. Pranathi 4. A.Rajitha 5. Dr.K. Ramalinga Reddy 6. Dr. Rajkumar L Biradar	12-01-2024	09-02-2024	2024410024 14A	Publish ed
10	All Terrain Vehicle For Disaster Management	1.Mr. Chandra Shaker Arrabotu 2.Dr. Sunitha Tappari 3.Dr. P. Sreesudha 4.Mrs.Vulugundam Anitha 5.Ms. Katam Pranathi 6.Ms. M. Sreya 7.Ms. B. Lakshmi Gnanitha 8.Ms. K. Lakshmi Kiran 9.Ms. M. Sai Nithya 10.I. Sai Pranavi	23-02-2024	08-03-2024	2024410130 88A	Publish ed
11	Implementation Of Driverless Metro Train Using Arduino	1)Dr.P. Sreesudha 2)Dr. Sunitha Tappari 3)Mr.V.Vikas 4)Mr. Chandra Shaker Arrabotu 5)Dr. AREMAN RAMYASRI 6)Mrs R Elizabeth Kavita 7)Ms.C.Anisha	23-02-2024	08-03-2024	2024410130 89 A	Publish ed

The Table B.5.5.18 concludes the overall faculty competencies with respect to program outcomes and program specific outcomes in terms of courses handled, Research publications, courses developed, FDPs/ STTPs/ Workshops attended/ Organized/ attended, project guided

Table B.5.5.18 Faculty competencies with respect to program outcomes and program specific outcomes in terms of courses handled, Research publications, courses developed, FDPs/ STTPs/ Workshops attended/ Organized, attended and Project guided

Name of the Faculty	Specialization/ Expertise	PO1-PO12					PSO1: Graduates will be able to analyze and design telecommunication networks with applicable consideration.					PSO2 Graduates will gain technical knowledge with necessary aptitude and soft skills to work in the ICT industry.				
		Courses Handled	Research Publications	Courses Developeop ed	FDPs/ STTPs/ Workshops attended / Organized	Projec ts Guide d	Cours es Handl ed	Research Publicati ons	Courses Develeop ed	FDPs/ STTPs/ Workshops attended / Organized	Projec ts Guide d	Cours es Handl ed	Research Publicati ons	Courses Develeop ed	FDPs/ STTPs/ Workshops attended / Organized	Projec ts Guide d
Dr.Rajkumar L Biradar	Communications, Signal & Image Processing	yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Dr.K.Rama Linga Reddy	Image Processing and Wireless Communications	yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Mr.G.Krishna Reddy	Wireless Communications, Signal Processing	Yes	Yes	No	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No	Yes	Yes
Mr.N.Rama Krishna	Embedded Systems, Internet of Things, Image Processing	Yes	Yes	No	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No	Yes	Yes
Dr.A.Naveena	Wireless Communications and Networks, IoT, Telecommunications	Yes	Yes	No	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No	Yes	Yes
Dr.M.Vijaya Lakshmi	Wireless communication	yes	yes	No	yes	yes	yes	yes	No	Yes	yes	yes	yes	no	yes	yes
Dr.T.Sunitha	VLSI design	Yes	Yes	No	Yes	No	Yes	Yes	No	Yes	No	Yes	Yes	No	Yes	No
Dr.P.Sreesudha	Wireless Communications	Yes	Yes	No	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No	Yes	Yes
Mrs.V.Anitha	Antennas, Communications	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Mr.V.Vikas	Networking, Communications, Embedded Systems, Security	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Mr.A.Chandra Shaker	Embedded Systems, Internet of Things, Wireless Sensor Networks	Yes	Yes	No	Yes	Yes	Yes	Yes	No	Yes	Yes	No	No	No	Yes	No
Mrs.M.Jyothsna	Wireless Communications	Yes	Yes	No	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No	Yes	Yes
Ms K.Pranathi	Embedded Systems, Wireless Communications	Yes	Yes	No	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No	Yes	Yes

Mrs.A.Rajitha	Electronics and Communication	Yes	No	No	Yes	Yes	Yes	No	No	Yes	Yes	Yes	No	No	Yes	Yes
Mr.G.Hari Krishna	Embedded Systems	Yes	No	No	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	No	Yes	Yes
Dr.G.Srivalli	Microwaves, Antennas	Yes	Yes	No	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
Mrs.K.Sarada	Embedded Systems, Digital Electronics	Yes	No	No	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes
Ms.G.Swetha	Wireless Communications	Yes	Yes	No	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes
Mrs.A.Sneha Keerthi	Image Processing, Embedded systems	Yes	No	No	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes

5.6 Innovations by the Faculty in Teaching and Learning (10) Total Marks 10.00

A.Statement of clear goals, use of appropriate methods, significance of results, effective presentation.(4)

In pursuit of excellence in education, our institute places a strong emphasis on fostering innovation in teaching and learning. Through a dynamic blend of traditional methodologies and cutting-edge approaches, our faculty endeavors to create an enriching academic environment that nurtures the intellectual growth and holistic development of our students. Central to this endeavor is the implementation of innovative practices that not only engage students actively but also empower them to acquire critical skills and knowledge essential for success in today's rapidly evolving world. In this discourse, we delve into the various innovations championed by our faculty in the realms of teaching and learning, each contributing uniquely to the cultivation of a vibrant and progressive educational ecosystem.

Innovations by the Faculty in Teaching and Learning are as follows:

- **Experiential learning:** It highlights active participation and hands-on experience and includes practical applications, real-time examples. This method improves understanding, and skills development, making learning more effective. Few methods implemented are Workshops, Seminars, Virtual Lab, Simulation, Role play etc.
- **Participative learning:** It encourages students to share ideas, interact and collaborate for developing projects. It motivates students to take up group activities. This method nurtures a supportive learning environment, promotes critical thinking and helps develop communication skills. Few methods implemented are Video, Demonstration, Activity-based learning, Think-Pair-Share, Flipped Classroom, GD/debate, MOOCs, Google Classroom, PPT, Kahoot
- **Problem solving:** Problem solving is the process of defining a problem, identifying its root cause, prioritizing and selecting potential solutions, and implementing the chosen solution. It is a thought process to find solutions to problems and hurdles. It involves recognizing the problem, analyzing its root cause, exploring probable solutions and implementing the most appropriate one. Effective problem-solving skills are essential in various aspects of life. With critical thinking, creativity and logical reasoning, individuals can address complex issues and take decisions to overcome difficulties. Few methods implemented are Project-based learning, Real-time case studies, Worksheets, Proto-type model, Crosswords, Research projects, Viva, Public Speaking are used to encourage Problem solving method.

Use of ICT tools to deliver lectures:

Faculty of the Program have implemented innovative teaching and learning methods utilizing Information and Communication Technology (ICT) tools such as smart TVs in classrooms and projectors with smart boards in labs. These tools have revolutionized instruction delivery, allowing us to incorporate dynamic elements like presentations, animations, and images into our lectures.

Today, it is essential for the students to learn and master the latest technologies in order to be corporate ready. As a consequence, teachers are using ICT tools to enhance and optimize the delivery of education: Smart TVs, Projectors-LCD /OHP projectors, Desktop / Laptops-Arranged in classrooms / Computer Lab and Faculty cabins all over the campus. Online Classes through Microsoft Teams software ,Zoom, Google Meet, Google Classroom) Hacker Rank (Online Coding Platform)-edyst , conduira online platform for placement preparations/inter college competitions Support for e-resources- MOOC Platform (NPTEL, Coursera, SAP,Udemy) and Digital Library resources (DELNET, MYLOFTetc) Faculty provided with net facility to use the global resources for effective presentations. Online quiz- online quiz for students after the completion of each unit using GOOGLE Video Conferencing-Students are counseled/doubts cleared with the help of Teams /Zoom /Google meet applications. Video Lecture-Recording of video lectures is made available to students for long term learning and future referencing using Impartus platform.

The Department of Electronics and Telematics has followed various teaching methods to improve student learning.

The tables below summarize the teaching methods followed for the past three years .

Table B.5.6.1 Details of the Teaching methods used

EXPERIENTIAL LEARNING	PARTICIPATIVE LEARNING	PROBLEM SOLVING
Hackathons	Video	Project based learning
Workshops	Demonstration	Real time case studies
Seminars	Activity-based learning	Worksheets
Virtual Lab	Jigsaw	Open book test
Simulation	Think pair share	Proto type model
Role play	Flipped Classroom	Cross words
Review web literature	Plicker	Research Projects
Journal Review	Guest lecture	Viva

	Professional practice school	Poster presentation
	GD/ debate	
	Peer learning groups	
	MOOCs	
	Google Classroom	
	PPT	
	Kahoot	
	Mind Map	
	Pogil	
	Language games	
	Public speaking	

In conclusion, the innovative practices championed by our faculty in teaching and learning underscore our unwavering commitment to academic excellence and student success. By embracing experiential learning, participative methodologies, problem-solving approaches, and ICT integration, we strive to create a dynamic learning environment that inspires curiosity, cultivates critical skills, and empowers students to thrive in an ever-changing world. As we continue to explore new horizons in education, we remain steadfast in our dedication to nurturing the next generation of leaders, innovators, and lifelong learners.



Figure B.5.6.1. Sample Photograph of using one of the Experiential Learning Methods (Seminars)



Figure B.5.6.2. Sample Photograph of using one of the Problem Solving Methods (Open Book Test)



Figure B.5.6.3. Sample Photograph of using one of the Participative Learning Methods (Activity based learning)



Figure B.5.6.4. Sample Photograph of using one of the Participative Learning Methods (Peer Learning Groups)

List of different activities conducted to make students learn concepts thoroughly.

Table B.5.6.2. List of innovative activities conducted by faculty with statement of goals, method used, significance of results, effective presentation

S.No	Faculty	Subject	Goal	Method	Significance of Results
1	Dr. Rajkumar L. Biradar	Digital Image Processing	Enhance student understanding of video production concepts by demonstrating how moving images create the illusion of motion in videos.	Utilize visual aids and demonstrations to provide a tangible and visually stimulating explanation of the concept.	Improve student comprehension and retention of video production principles through interactive and engaging demonstrations.

2	Dr. Rajkumar L Biradar	Electromagnetic Theory	Enhance student understanding of Electromagnetic Theory through 3D animations focusing on coordinate geometry and EM wave propagation.	Utilize 3D animation technology to visually represent abstract electromagnetic concepts.	Improve student comprehension of complex EM theory, aiding visualization and engagement.
3	Dr. T. Sunitha	Electronics Devices and Circuits	Utilize animations to enhance student understanding of complex concepts like current flows and electron movement in diodes.	Incorporate animations as a pedagogical tool to visually represent abstract concepts in a comprehensible manner.	Improve student comprehension and engagement in fundamental areas of study through the use of animations.
4	Mr. V. Vikas	Computer Networks	Enhance student understanding of Computer Networks using packet animation videos to demonstrate packet flow in the internet and explain the OSI model.	Employ animation videos as an effective teaching tool to visually represent abstract networking concepts.	Improve student comprehension and retention of complex networking concepts through engaging animation videos.
			Enhance student understanding of Computer Networks concepts, specifically encapsulation and decapsulation, using the envelope method as a hands-on learning approach.	Utilize the envelope method as an interactive teaching tool to simulate encapsulation and decapsulation processes in a practical and engaging manner.	Improve student comprehension and retention of networking concepts through experiential learning with the envelope method.
5	Dr. Rajkumar L Biradar	Antenna and Wave Propagation	Enhance student understanding of Antenna and Wave Propagation concepts by physically demonstrating different antennas and radiation patterns.	Utilize physical antennas and demonstrations to provide a tangible and visual representation of antenna characteristics and radiation patterns.	Improve student comprehension and retention of Antenna and Wave Propagation principles through hands-on learning experiences.
6	Mr. G. Krishna Reddy	Radar Systems	Enhance student understanding of Doppler radar concepts by demonstrating a working model to measure range.	Utilize a working model of Doppler radar to provide demonstration of range measurement principles.	Improve student comprehension and retention of radar concepts, specifically Doppler radar and range measurement techniques
7	Dr. M. Vijaya Lakshmi	Communications	The clear goal is to provide students with a visual representation of how modulation techniques alter the carrier signal to transmit information effectively.	Animated simulations that visually depict the process of modulation. These animations are designed to showcase how different modulation schemes manipulate the carrier signals properties.	The use of animations to demonstrate modulation schemes significantly enhances student comprehension and retention of communication theory concepts.

8	Dr. Rajkumar L Biradar	Digital Image Processing	The faculty aims to enhance student understanding of signal processing concepts, specifically the Short-Time Fourier Transform (STFT), by using animations. The clear goal is to provide students with a visual representation of how the STFT analyzes signals over time and frequency domains	Animated simulations that visually depict the process of the Short-Time Fourier Transform. These animations are designed to showcase how the STFT breaks down a signal into its frequency components over short time intervals, allowing students to grasp the time-varying nature of signals more effectively.	The use of animations to demonstrate the Short-Time Fourier Transform significantly enhances student comprehension and retention of signal processing theory.
---	------------------------	--------------------------	---	---	---

B. Availability of work on the Institute Website (2)

The faculty's innovative teaching and learning contributions are easily accessible on the institute's website at <https://www.gnits.ac.in/faculty-innovations-in-tl-2/> (<https://www.gnits.ac.in/faculty-innovations-in-tl-2/>), ensuring widespread availability to students, faculty, and the academic community. This accessibility facilitates seamless sharing of knowledge and resources, promoting collaborative learning and research endeavors.



Figure B.5.6.5. Screenshot of Faculty Innovations in Teaching Learning tab in GNITS website



Figure B.5.6.6. Screenshot of content developed by faculty members in GNITS website

C. Availability of work for peer review and critique (2)

The faculty's teaching and learning materials are open for review and critique by accepting comments through a google form (<https://forms.gle/kTCu6aH8hKmwPeDu6> (<https://forms.gle/kTCu6aH8hKmwPeDu6>)) provided in the website mentioned above, allowing experts in the field to evaluate the quality, effectiveness, and relevance of the content. This review process ensures that the contributions meet scholarly standards and contribute meaningfully to the advancement of educational practices.



Figure B.5.6.7. Screenshot of the comments made for the content uploaded by faculty in youtube

D. Reproducibility and Reusability by other scholars for further development (2)

The faculty's contributions to teaching and learning are designed to be reproducible and reusable by other scholars for further development as the content is available on the website for all to download and use. This emphasis on reproducibility promotes the sharing of best practices and encourages continuous improvement in educational methodologies. Other scholars can build upon these contributions to enhance learning experiences and foster innovation in the academic domain.

5.7 Faculty as participants in Faculty development/training activities/STTPs (15)	Total Marks 15.00

Name of the faculty	Max 5 Per Faculty		
	2022-23(CAYm1)	2021-22(CAYm2)	2020-21(CAYm3)
Dr.Rajkumar L Biradar	3.00	5.00	5.00
Dr.K.Rama Linga Reddy	0.00	5.00	0.00
Mr.G.Krishna Reddy	5.00	5.00	5.00
Mr.N.Rama Krishna	5.00	5.00	5.00
Dr.A.Naveena	5.00	5.00	5.00
Dr.M.Vijaya Lakshmi	5.00	5.00	5.00
Dr.T.Sunitha	5.00	5.00	3.00
Dr.P.Sreesudha	5.00	5.00	5.00
Mrs.V.Anitha	5.00	5.00	5.00
Mr.V.Vikas	5.00	5.00	3.00
Mr.A.Chandra Shaker	5.00	5.00	5.00
Mrs.M.Jyothsna	5.00	5.00	5.00
Ms K.Pranathi	5.00	0.00	0.00
Ms.G.Swetha	0.00	5.00	5.00
Mrs.A.Sneha Keerthi	5.00	0.00	0.00
Sum	63.00	65.00	56.00
RF = Number of Faculty required to comply with 20:1 Student Faculty Ratios per 5.1	11.00	11.00	11.00
Assessment [$3 \times (\text{Sum} / 0.5\text{RF})$]	34.36	35.45	30.55

Average assessment over 3 years: 15.00

5.8 Research and Development (75)

Total Marks 55.00

5.8.1 Academic Research (20)

Institute Marks : 20.00

5.8.1. Academic Research (20)

During the assessment period, academic research within the institute encompassed a wide array of activities, including research paper publications in esteemed refereed and SCI journals, citations, and contributions to Books/Book Chapters. The faculty actively engaged in guiding Ph.D. scholars, with several successful Ph.D. awards and ongoing supervision in relevant departments. These efforts demonstrate a commitment to scholarly quality and a dedication to advancing knowledge in their respective fields of study.

Table B.5.8.1. List research publications in WoS, Scopus and Google Scholar

Academic Year	Publications		
	WoS	Scopus	Google Scholar
2020-2021	8	10	27
2021-2022	4	13	24
2022-2023	11	20	76
Grand Total	23	43	127



Figure B.5.8.1. Screenshot of department profile in Vidwaan with publication, citation details

Table B.5.8.2. Details of No. of Publications and Citations from Scopus

S.No.	Faculty	SCOPUS Author h-Index	No. of SCOPUS Publications				No. of SCOPUS Citations				LINK
			2023	2022	2021	2020	2023	2022	2021	2020	
1	Dr Rajkumar L Biradar	6	4	6	3	2	41	28	15	6	https://www.scopus.com/authid/detail.uri?authorId=55903636500 (https://www.scopus.com/authid/detail.uri?authorId=55903636500)
2	Dr. K. Rama Linga Reddy	10	3	2	4	6	97	82	43	45	https://www.scopus.com/authid/detail.uri?authorId=35774431200 (https://www.scopus.com/authid/detail.uri?authorId=35774431200)
3	G. Krishna Reddy	1	0	2	0	0	2	0	0	0	https://www.scopus.com/authid/detail.uri?authorId=57814867900 (https://www.scopus.com/authid/detail.uri?authorId=57814867900)
4	Mr.N.Rama Krishna	0	0	0	1	0	0	0	0	0	https://shorturl.at/GPOS0 (https://shorturl.at/GPOS0)
5	A.Naveena	3	5	0	0	2	3	3	5	0	https://www.scopus.com/authid/detail.uri?authorId=57193698166 (https://www.scopus.com/authid/detail.uri?authorId=57193698166)
6	M.Vijaya Lakshmi	3	3	1	1	1	6	5	7	1	https://www.scopus.com/authid/detail.uri?authorId=58558399900 (https://www.scopus.com/authid/detail.uri?authorId=58558399900)
7	T.Sunitha	2	1	0	1	0	2	1	2	0	https://www.scopus.com/authid/detail.uri?authorId=57210201557 (https://www.scopus.com/authid/detail.uri?authorId=57210201557)
8	P. Sreesudha	2	0	1	1	0	0	2	1	3	https://www.scopus.com/authid/detail.uri?authorId=57195312844 (https://www.scopus.com/authid/detail.uri?authorId=57195312844)
9	V.Anitha	2	2	1	1	0	3	0	1	1	https://www.scopus.com/authid/detail.uri?authorId=46160949400 (https://www.scopus.com/authid/detail.uri?authorId=46160949400)
10	V.Vikas	3	0	0	1	0	14	19	20	17	https://www.scopus.com/authid/detail.uri?authorId=57063205500 (https://www.scopus.com/authid/detail.uri?authorId=57063205500)
11	A.Chandra Shaker	1	0	0	0	0	0	1	0	0	https://www.scopus.com/authid/detail.uri?authorId=57210601059 (https://www.scopus.com/authid/detail.uri?authorId=57210601059)
Total		14	18	13	13	11	168	141	94	73	
Grand Total			Publications: 55				Citations: 476				

Table B.5.8.3 Details of No. of Publications and Citations from Web of Science

S.No	Faculty	WoS ID	WoS Author h-Index	No. of WoS Publications				No. of WoS Citations				Link
				2023	2022	2021	2020	2023	2022	2021	2020	
1	Dr.Rajkumar L Biradar	GLS-0088-2022	4		1	1	1	13	9	12	7	https://www.webofscience.com/wos/author/record/31800324
2	Dr.K.Rama Linga Reddy	AAD-8597-2021	5			2	4	19	19	21	9	https://www.webofscience.com/wos/author/record/2179511
3	Dr.A.Naveena	AAC-4470-2022	2	1	2	0	2	3	2	3	0	https://www.webofscience.com/wos/author/record/2468165
4	Dr.M.Vijaya Lakshmi	AAD-8956-2021	2	1	2	0	1	4	1	4	0	https://www.webofscience.com/wos/author/record/2195636
5	Dr.T.Sunitha	ABT-5847-2022	1		0	1	0	2	1	0	0	https://www.webofscience.com/wos/author/record/2723127
6	Dr. P. Sreesudha	GLS-0250-2022	1		0	1	0		1	0	0	https://www.webofscience.com/wos/author/record/31800486
7	Mrs.V.Anitha	ABF-6882-2022	1	2				3				https://www.webofscience.com/wos/author/record/ABF-6882-2022
8	Mr.V.Vikas	ISA-8113-2023	1		0	0	0		0	0	1	https://www.webofscience.com/wos/author/record/ISA-8113-2023
Total				4	5	5	8	44	33	40	17	
Grand Total				Publications: 22				Citations: 134				

Table B.5.8.4. Details of No. of Publications and Citations from Google Scholar

S.No.	Faculty	No. of Google Scholar Publications				No. of Google Scholar Citations				LINK
		2023	2022	2021	2020	2023	2022	2021	2020	
1	RAJKUMAR L BIRADAR	2	10	4	3	59	32	35	11	https://scholar.google.co.in/citations?hl=en&user=HPC_pRQAAAAJ (https://scholar.google.co.in/citations?hl=en&user=HPC_pRQAAAAJ)
2	KATTA RAMA LINGA REDDY	3	1	4	5	100	102	52	57	https://scholar.google.co.in/citations?hl=en&user=2HVXnWcAAAAJ (https://scholar.google.co.in/citations?hl=en&user=2HVXnWcAAAAJ)
3	GAJULAPALLI KRISHNA REDDY	7	4	1	0	16	11	5	6	https://scholar.google.co.in/citations?hl=en&user=3JI3ER0AAAAJ (https://scholar.google.co.in/citations?hl=en&user=3JI3ER0AAAAJ)
4	NIBHANAPURI RAMAKRISHNA	0	0	1	0	0	2	1	2	https://scholar.google.co.in/citations?hl=en&user=3ytW9WIAAAAJ (https://scholar.google.co.in/citations?hl=en&user=3ytW9WIAAAAJ)
5	AMBIDI NAVEENA	5	2	3	2	6	5	6	6	https://scholar.google.co.in/citations?hl=en&user=wRfjuxEAAAAJ (https://scholar.google.co.in/citations?hl=en&user=wRfjuxEAAAAJ)
6	MADDALA VIJAYA LAKSHMI	0	0	1	1	10	9	7	3	https://scholar.google.co.in/citations?hl=en&user=w5x3AaEAAAAJ (https://scholar.google.co.in/citations?hl=en&user=w5x3AaEAAAAJ)
7	TAPPARI SUNITHA	0	0	2	1	3	1	2	0	https://scholar.google.co.in/citations?hl=en&user=bYGgoKYAAAAJ (https://scholar.google.co.in/citations?hl=en&user=bYGgoKYAAAAJ)
8	PARNAPALLI SREE SUDHA	5	2	1	0	2	3	1	2	https://scholar.google.co.in/citations?hl=en&user=16dbrZYAAAAJ (https://scholar.google.co.in/citations?hl=en&user=16dbrZYAAAAJ)
9	VULUGUNDAM ANITHA	3	2	3	0	10	2	2	3	https://scholar.google.co.in/citations?hl=en&user=W73rcjsAAAAJ (https://scholar.google.co.in/citations?hl=en&user=W73rcjsAAAAJ)
10	VIPPALAPALLI VIKAS	2	0	2	1	21	36	27	24	https://scholar.google.co.in/citations?hl=en&user=Ph16zoQAAAAJ (https://scholar.google.co.in/citations?hl=en&user=Ph16zoQAAAAJ)
11	CHANDRA SHAKER ARRABOTU	2	1	0	0	0	1	0	0	https://scholar.google.co.in/citations?hl=en&user=P6N5yS4AAAAJ (https://scholar.google.co.in/citations?hl=en&user=P6N5yS4AAAAJ)
12	M JYOTHSNA		0	0	0	1	0	0	0	https://scholar.google.co.in/citations?hl=en&user=Qk7Q7oQAAAAJ (https://scholar.google.co.in/citations?hl=en&user=Qk7Q7oQAAAAJ)
13	K.PRANATHI	0	1	2	0	0	0	1	0	https://scholar.google.co.in/citations?hl=en&user=o3VC1ZAAAAAJ (https://scholar.google.co.in/citations?hl=en&user=o3VC1ZAAAAAJ)
14	Dr.G.Srivalli	0	1	0	2	8	5	5	3	https://scholar.google.co.in/citations?hl=en&user=JdxPYAAAAJ (https://scholar.google.co.in/citations?hl=en&user=JdxPYAAAAJ)
15	Ms.G.Swetha	0	0	0	1	3	0	5	1	https://scholar.google.co.in/citations?hl=en&user=D7LiG6gAAAAJ (https://scholar.google.co.in/citations?hl=en&user=D7LiG6gAAAAJ)
Total year wise		29	24	24	16	239	209	149	118	
Grand total		Publications: 93				Citations: 715				

Table B.5.8.5. Faculty Research Publications in refereed/ SCI/ Scopus

S.No	Title of the Paper	Name of the author/s	Journal Name	Academic Year	ISSN Number	Indexed in
------	--------------------	----------------------	--------------	---------------	-------------	------------

1	Adaboost Model-Based Approach for Effectively Detecting Spam in IoT Devices	Vulugundam Anitha	International Journal For Research in Applied Science and Engineering Technology, Volume 11, Issue 7	2022-2023	2321-9653	Google Scholar
2	Automated Hydroponic System with Solar Powered Battery Management System	Mr.A.Chandra Shaker	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	2022-2023	2321-9653	Google Scholar
3	Fingerprint Based Smart Vehicle	Dr. Sunitha Tappari	International Journal for Research in Applied Science and Engineering Technology (IJRASET)	2022-2023	2321-9653	Google Scholar
4	Fruit Freshness Evaluation using a Real-Time Industrial Framework for Deep Learning Ensemble Approaches	N. Ramakrishna	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	2022-2023	2321-9653	Google Scholar
5	Greenhouse Monitoring and Controlling for Cultivation of Plant	Dr. Rajkumar L. Biradar	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	2022-2023	2321-9653	Google Scholar
6	IoT Based Patient Healthcare Monitoring System	Dr. Ambidi Naveena	International Journal for Research in Applied Science and Engineering Technology (IJRASET)11,7, pp:772-775	2022-2023	2321-9653	Google Scholar
7	Performance Analysis of Selective Mapping and Clipping based MC-CDMA System	P. Sreesudha	International Journal for Research in Applied Science and Engineering Technology (IJRASET)	2022-2023	2321-9653	Google Scholar
8	Performance Analysis of Spatially Multiplexed MIMO System	P. Sreesudha	International Journal for Research in Applied Science and Engineering Technology (IJRASET), Vol. 11, No.7	2022-2023	2321-9653	Google Scholar

9	Remote Underwater Robot	Vulugundam Anitha	International Journal For Research in Applied Science and Engineering Technology, Volume 11, Issue 7	2022-2023	2321-9653	Google Scholar
10	Web Security Audit and Penetration Testing: Identifying Vulnerabilities and Strengthening Website Security	Mr.V.Vikas	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	2022-2023	2321-9653	Google Scholar
11	Deep learning aided 5G channel estimation	Dr.M.Vijaya Lakshmi	IJRASET,Vol-11,Issue6,	2022-2023	2321-9653	Google Scholar
12	An optimized deep networks for securing 5G communication system	Dr. Ambidi Naveena, Maddala Vijaya Lakshmi	Cluster Computing,15th,Nov,2022	2022-2023	1573-7543	UGC Carelist, Scopus, WoS, SCIE
13	A Prototype of the Waste Segregation and Remote Garbage Level Monitoring System	K.Pranathi	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	2022-2023	2321-9653	Google Scholar
14	IoT Based Smart Home Automation and Security	Dr. Sunitha Tappari	International Journal for Research in Applied Science and Engineering Technology (IJRASET)	2022-2023	2321-9653	Google Scholar
15	PAPR Reduction of OFDM signals using PTS and Firefly algorithm	G.Krishna Reddy	Volume 11 Issue VI Jun 2023	2022-2023	2321-9653	Google Scholar
16	Home Surveillance Using Robotic Eye	Dr. Ambidi Naveena	International Journal for Research in Applied Science and Engineering Technology (IJRASET)11,7, pp:772-775	2022-2023	2321-9653	Google Scholar

17	Highly Secure and Accurate Deep Slicing in 5G Wireless Networks for Efficient Resource Utilization	Dr. Ambidi Naveena	Communications - Scientific Letters of the University of Zilina, Vol 25, No.3, E15-E23	2022-2023	2585-7878	SCOPUS Indexed
18	A Novel Intelligent Channel Estimation Strategy for the 5G Wireless Communication Systems	Dr. Ambidi Naveena, Dr.M.Vijaya Lakshmi	Wireless Personal Communications, Vol.30, No.4, pp:1-25, April 19, 2023	2022-2023	1572-834X, 0929-6212	SCIE, Scopus, WOS
19	A novel diffusivity function-based image denoising for MRI medical images	Dr.K.Rama Linga Reddy	Multimedia Tools and Applications Multimedia Tools and Applications	2022-2023	32057-32089	SCOPUS
20	AlexNet-NDTL: Classification of MRI brain tumor images using modified AlexNet with deep transfer learning and Lipschitz-based data Augmentation	Dr.K.Rama Linga Reddy	Int. J Imaging Syst. Technology 2023;33:106-1322	2022-2023	1098-1098	Scopus, SCI, WOS
21	Political Improved Invasive Weed Optimization-Driven Hybrid Exemplar Technique for Video Inpainting Process	Dr. Rajkumar L. Biradar	International Journal of Pattern recognition and Artificial Intelligence	2022-2023	1793-6381	Scopus, SCIE, WOS
22	THz Imaging Technology Trends and Wide Variety of Applications: a Detailed Survey	Vulugundam Anitha	Plasmonics, Volume 18, Issue 2	2022-2023	1557-1963	Web of Science, Scopus, SCIE

23	Analysis of real time weather monitoring system using thingspeak	Dr. Ambidi Naveena	Annals of Forest Research, 2022	2022-2023	1844-8135, 2065-2445	Google Scholar
24	A 12-element 360° azimuth plane scanning circular antenna array for THz wireless devices	Vulugundam Anitha	Wireless Networks, Volume 29, Issue 3	2022-2023	1572-8196	Scopus, WoS, SCIE
25	A heuristic deep feature system for energy management in wireless sensor network	Dr. Ambidi Naveena	Wireless Networks, Nov 17, 2022	2022-2023	1022-0038	Scopus, WoS, SCIE
26	Design of Space-Time Coded Multi-Carrier CDMA System based on Metaheuristic Optimization Algorithms	P. Sreesudha	International Journal of Engineering Trends and Technology, Vol.70, No.10	2022-2023	2231 - 5381	SCOPUS
27	Assistant talking bot: For people with physical disabilities.	Dr. Ambidi Naveena	International Journal of Health Sciences, July, 2022	2022-2023	2550-6978	Google scholar
28	Performance Comparison of Channel Coding Techniques for OFDM System	Dr.M.Vijaya Lakshmi	IOP Conference Series: Materials Science and Engineering, 2022	2022-2023	1757-899X	Web-of-Science
29	Design of Spatially Multiplexed Multi-Carrier Code Division Multiple Access System	P. Sreesudha	Dogo Rangsang Research Journal	2022-2023	2347-7180	UGC Care

30	DKH: A Hybridized Approach for Image Inpainting using Bayes Probabilistic – Based Image Fusion	Dr. Rajkumar L. Biradar	JournalInternational Journal of Intelligent Robotics and Applications	2022-2023	2366-598X	Scopus, ESCI, WOS
31	A Secure Energy Aware Meta-Heuristic Routing Protocol (SEAMHR) for sustainable IoT-Wireless Sensor Network (WSN)	Dr. Rajkumar L. Biradar	Theoretical Computer Science	2022-2023	1879-2294	Scopus, SCI, WOS
32	An anomaly-based intrusion detection system using recursive feature elimination technique for improved attack detection	Dr. Rajkumar L. Biradar	Theoretical Computer Science	2022-2023	1879-2294	Scopus, SCI, WOS
33	An Image Inpainting Method based on Whale Integrated Monarch Butterfly Optimization-Based Deep Convolutional Neural Network	Dr. Rajkumar L. Biradar	International Journal of Swarm Intelligence Research (IJSIR)	2022-2023	1947-9263	Scopus, ESCI, WOS
34	Encryption-based steganography of images by multiobjective whale optimal pixel selection	Dr. Rajkumar L. Biradar	International Journal of Computers and Applications	2022-2023	1925-7074	SCOPUS

35	Analysis of PAPR and BER reduction in MIMO-OFDM using Hybrid MothFlame-Improved Firefly Algorithm	G.Krishna Reddy	Intelligence Engineering	2021-2022	2185-3118	Google scholar
36	Lifetime Enhancement of WSN using Evolutionary Computing Algorithms	Mr.A.Chandra Shaker	International Journal Of Analytical And Experimental Modal Analysis	2021-2022	0886-9367	UGC Carelist
37	Network Intrusion Detection, Prevention and Sustainable Mechanisms: A Survey	Dr. Rajkumar L. Biradar	International Journal of Early Childhood Special Education (INT-JECSE)	2021-2022	1308-5581	Google scholar
38	An Investigation of Secure Authentication Systems in Wireless Sensor Networks	Dr. Rajkumar L. Biradar	International Journal of Early Childhood Special Education (INT-JECSE)	2021-2022	1308-5581	Google scholar
39	Bayes Probabilistic Based Fusion method for Image inpainting	Dr. Rajkumar L. Biradar	International Journal of Pattern Recognition and Artificial Intelligence	2021-2022	1309-4653	Scopus, SCIE, WOS
40	PARTICLE SWARM OPTIMIZATION FOR LINEAR ANTENNA ARRAY	Vulugundam Anitha	Journal of Resource Management and Technology, Volume 12, Issue 4	2021-2022	2320-9364	Google Scholar

41	Image Denoising for magnetic resonance imaging medical images using improved generalized cross-validation based on the diffusivity function	Dr.K.Rama Linga Reddy	Int J Imaging Syst Technol. 2021;1-23. Wiley Publications	2021-2022	1755-0394	Scopus, Web of Science, SCIE
42	MIMO-OFDM systems using sparse channel estimation in high -mobility situations	Dr.M.Vijaya Lakshmi	International Journal of Research, Volume 10, Issue 11,	2021-2022	2236-6124, 1022-0038, 1572-8196	Google Scholar
43	Low area FPGA implementation of PRESENT cryptography with 3S-RLKG and MKS	Dr. Sunitha Tappari	Wireless Networks, Volume-27 Issue-8,	2021-2022	1380-7501	Web of Science, SCI, Scopus
44	A Survey On localizing the Drone to realize Mission Critical services with 5G Open RAN Framework	Mr.V.Vikas	International Journal of Research in Engineering and Science (IJRES)	2021-2022	0886-9367	Google Scholar
45	New Cluster based Secure Certificate Revocation Scheme for Vehicular Ad-Hoc Networks	Vulugundam Anitha	International Journal of Research in Electronics and Computer Engineering, Volume 7, Issue 2	2021-2022	2348-2281	Google Scholar
46	A hybridization approach of PSO and GSO algorithm for minimum-BER based multi-user detection in STBC-MIMO MC-CDMA systems	P. Sreesudha	Multimed Tools Appl 80	2021-2022	0745-6999	UGC Carelist, Scopus, Web of Science, SCIE

47	A robust low frequency integer wavelet transform based fractal encryption algorithm for image steganography	Dr. Rajkumar L. Biradar	International Journal Advanced Paradigms, Intelligence	2021-2022	1755-0394	SCOPUS
48	A Proficient Fair Resource Allocation in the Channel of multi user Orthogonal Frequency Division Multiplexing using a Novel Hybrid Bat-Krill Herd Optimization	Dr.K.Rama Linga Reddy	Wireless Personal Communications, Springer publications	2020-2021	1449-1473	Scopus, SCIE, WOS
49	A Survey on Ethical Hacking, Approaches, Attacks, Procedure & Reliability in case of Cyber Crime	K.Pranathi	A Journal of Composition Theory (JAC), UGC CARE APPROVED	2020-2021	0731-6755	UGC CARE APPROVED
50	Review: IoT Sensors, Classification and Applications in Weather Monitoring	Dr. Ambidi Naveena	International Journal of recent Technology and Engineering, ISSN: 2277-3878, Vol 10, Issue 1	2020-2021	2277-3878	Google Scholar
51	FBMC Modulation Schemes for 5G Mobile Communications	Dr. Ambidi Naveena, K.Pranathi	Turkish Journal of Computer and Mathematic Education, vol 12	2020-2021	1309-4653	Google Scholar
52	A survey on Channel Estimation in Multicarrier Modulation Schemes	Dr. Ambidi Naveena, K.Pranathi	Science, Technology and Development Journal Impact factor 6.1, Issue 3	2020-2021	0950-0707	UGC Approved

53	Vertical handover in heterogeneous networks using WDWWO algorithm with NN	Dr.K.Rama Linga Reddy	International Journal of Electronics	2020-2021	2078-2099	SCIE, WoS, Scopus
54	Network Intrusion Detection using Sparse Autoencoder with Swish-PReLU Activation Model	Dr. Rajkumar L. Biradar	Journal of Ambient Intelligence and Humanized Computing	2020-2021	1868-5145, 1868-5137	Scopus, Wos, SCIE
55	FPGA implementation of proficient light weight architecture for present Block Cipher	Dr. Sunitha Tappari	International Journal of Future generation communication and networking	2020-2021	2233-7857	Google Scholar
56	Optimization of Keys using Grey-Wolf Optimization for Secure Path Key Establishment Schemes in Wireless Sensor Network	Dr. Rajkumar L. Biradar	International Journal of Intelligent Engineering and Systems (IJIES - Scopus Indexed)	2020-2021	2185-3118	SCOPUS
57	Energy Efficient Precoding Design for Swipt in MIMO Two-Way Relay Networks	Vulugundam Anitha	Science, technology and development, Pg No: 214-224	2020-2021	0950-0707	Google Scholar
58	Copy - Move Image Forgery Detection using Scale Invariant Feature Transform	Dr. Ambidi Naveena	International Journal of Engineering Research in Mechanical and Civil Engineering , Vol. 5, No. 12, pp. 8-13	2020-2021	2456-1290	Google Scholar

59	Performance Enhancement of MIMO-MC-CDMA Systems by Employing Various Diversity Combining Techniques	Mr.A.Chandra Shaker	International Journal of Engineering Research in Electronics and Communication Engineering (IJERCE)	2020-2021	2456-1290	Google Scholar
60	Multi-objective emperor penguin handover optimization for IEEE 802.21 in heterogeneous networks	Dr.K.Rama Linga Reddy	IET journals :IET Communications	2020-2021	1350-2425	SCI Indexed Journal, WOS
61	Modified transform-based gamma correction for MRI tumor image denoising and segmentation by optimized histon-based elephant herding algorithm	Dr.K.Rama Linga Reddy	International Journal of Imaging Systems and Technology	2020-2021	1098-1098, 0899-9457	SCIE, WoS
62	Multi-objective emperor penguin handover optimisation for IEEE 802.21 in heterogeneous networks	Dr.K.Rama Linga Reddy	IET Communications	2020-2021	1751-8636	SCI, WoS
63	Improved partial differential equation-based total variation approach to non-subsampled contourlet transform for medical image denoising	Dr.K.Rama Linga Reddy	Multimedia Tools and Applications	2020-2021	1573-7721	Springer Nature, Scopus, SCIE, WOS

64	An optimized SVM based possibilistic fuzzy c-means clustering algorithm for tumor segmentation	Dr.K.Rama Linga Reddy	Multimedia Tools and Applications	2020-2021	1380-7501	Springer Nature, SCOPUS, WOS, SCIE
65	A TWO-WAY RELAY TRANSMISSION IN CODED MIMO-OFDM USING DELAY DIVERSITY SCHEME	Dr. Sunitha Tappari	Journal of Engineering Sciences (JES), Volume-11, Issue-07	2020-2021	0377-9254	UGC Care
66	IMPLEMENTATION OF TWO-WAY AF RELAY CRN AND ITS PERFORMANCE EVALUATION USING OUTAGE PROBABILITY	Mr.V.Vikas	Journal of Engineering Sciences Vol 11, Issue 7, July/2020 PP:896-905 10.15433.JES.2020.V11I7.43P.134	2020-2021	0377-9254	UGC Care

List of Books/ Book chapters/ Conference Proceedings

Table B.5.8.6. Details of Books/Book chapters/ Conference Proceedings published by the faculty

S.No.	Name of the teacher	Title of the book published/ Conference Proceedings	Title of the chapters/ Paper published	Academic Year	ISBN number
1	Dr. Rajkumar L. Biradar	Energy Efficient Image Transmission In Wireless Multimedia Sensor Networks		2022-2023	978-81-19385-84-3
2	Dr. Rajkumar L. Biradar	PAPRReduction: Techniques, Analysis and Applications		2022-2023	978-81-19385-85-0
3	Dr. Rajkumar L. Biradar	Digital Image In painting: Techniques, Analysis And Applications		2022-2023	978-81-19385-89-8
4	Dr. Rajkumar L. Biradar	Cluster Based Certificate Revocation With Vindication Capability For Mobile Adhoc Networks		2022-2023	978-81-19385-21-8
5	Mr.G.Krishna Reddy	Performance analysis of mimo-Ofdm Systemusing Coding And Equalization		2022-2023	978-81-19385-86-7
6	Dr.A.Naveena	AgriSow: Revolutionizing Farming Practices with Seeding Robots		2022-2023	978-93-91462-83-3

7	Dr.P.Sreesudha	Design of Interference cancellation Receiver of Cellular Systems		2022-2023	978-81-19385-88-1
8	Mr.ChandraShaker Arrabotu	Moving Object Detection Based On Back Ground Subtraction Under Cwt Domain For Video Surveillance System		2022-2023	978-81-19385-29-4
9	Mrs.A.Naveena	3rd International Conference on Engineering and Advancement in Technology-2022	A Survey on Physical Layer Performance of MIMO-WIMAX	2022-2023	978-93-81288-22-1
10	Dr. A. Naveena	A Deep Learning Based Approach To Power Minimization For Multi-Carrier Noma With Swipt		2022-2023	978-93-92105-48-7
11	Ms.K. Pranathi	Performance Of Qam System With Convolutional Codes		2022-2023	978-81-19385-22-5
12	Mr.N. Ramakrishna	Detection And Classification Of Diabetic Retinopathy Condition In Retinal Images		2022-2023	978-81-19385-87-4
13	Mrs.Anitha Vulugundam	IMPLEMENTATION OF ACQUISITION ALGORITHM FOR GLONASS SOFTWARE RECEIVER		2022-2023	978-81-19385-92-8
14	Mr.N. Ramakrishna	Segmentation and Extraction of Alpha Numeric Characters in License Plate		2022-2023	9787-81-19385-93-5
15	Mr.V Vikas	LOCALISATION IN WIRELESS SENSOR NETWORK USING LABVIEW		2022-2023	978-81-19385-94-2
16	Dr.M.Vijaya Lakshmi	EFFECTIVE SPARSE CHANNEL ESTIMATION TECHNIQUE FOR MIMO-OFDM SYSTEM		2022-2023	978-81-19385-96-6
17	Anitha Vulugundam	SYNTHETIC APERTURE RADAR IMAGING		2022-2023	978-620-6-73731-5
18	Anitha Vulugundam	HAND GESTURE RECOGNITION USING IMAGE PROCESSING		2022-2023	978-620-6-73727-8
19	Mr.N. Ramakrishna	Detecting and Classification of Diabetic Retinopathy		2022-2023	978-620-6-73790-2
20	Ms.K. Pranathi	Fire Detection and Rescue System through live video streaming		2022-2023	978-620-6-18424-9
21	Mr.G.Krishna Reddy	Proceedings of the 8th International Conference on Communication and Electronics Systems (ICCES 2023)	PTS with Phase factor based reptile search algorithm and Hybrid coding approach for PAPR and BER reduction in MIMO-OFDM	2022-2023	978-981-99-1588-0

22	Mr.G.Krishna Reddy	International Conference on Intelligent Computing and Communication	Channel Estimation In Massive MIMO using BS Identification Code.	2022-2023	978-981-99-1588-0
23	Mr.G.Krishna Reddy	Proceedings of the 8th International Conference on Communication and Electronics Systems (ICCES 2023)	Prototype for Smart crop protection against wild animals.	2022-2023	979-8-3503-9663-8
24	Mrs.T.Sunitha	6th International Conference on Soft Computing and Signal Processing (ICSCSP-2023)	Lung cancer detection using hybrid methods of Otsu based PSO algorithm combined with ACO Algorithm	2022-2023	978-93-88122-09-2
25	Dr.P.Sreesudha	International Conference on Computer, Cybernetics and Education (ICCCE-23)	Five G Vehicular Network Resource Management For Improving Radio Access Using CNN LSTM and DNN	2022-2023	978-93-92105-47-0
26	Mrs.T.Sunitha	2023 Fifth International Conference on Electrical, Computer and Communication Technologies (ICECCT)	Performance Analysis of 5G Waveforms for MIMO System	2022-2023	978-1-6654-9360-4
27	Mr.A.Chandra Shaker	MEMS based gesture controlled wheelchair		2022-2023	978-620-6-18347-1
28	Mr.A.Chandra Shaker	Implementation of High performance 32-bit RISC core architecture		2022-2023	978-620-6-18330-3
29	K. Pranathi and Dr A. Naveena	International Conference on Intelligent Computing and Communication	Estimation of Doubly Selective Channel in FBMC-OQAM and OFDM Systems	2022-2023	978-981-99-1588-0
30	Dr.A.Naveena	SIXTH SENSE TECHNOLOGY		2022-2023	978-620-6-18404-1
31	Dr.P.Sreesudha	MIMO-CDMA Technologies		2022-2023	978-81-19385-95-9
32	P Sreesudha	MC-CDMA based on STBC		2022-2023	978-620-6-18464-5
33	Sunitha Tappari	IoT Based Smart Home Automation And Security		2022-2023	978-620-6-68526-5
34	Sunitha Tappari	Underwater Image Enhancement		2022-2023	978-620-6-73716-2
35	Vikas V	64-bit RISC Processor using VHDL		2022-2023	978-620-6-18325-9
36	Dr.K.Rama Linga Reddy	2023 9th International Conference on Advanced Computing and Communication Systems (ICACCS)	Channel Estimation and Signal Detection in OFDM Systems using Deep Learning	2022-2023	979-8-3503-9737-6

37	Dr.M.Vijaya Lakshmi	International Advanced Computing Conference	Channel estimation of mm wave massive MIMO systems using large intelligent system	2022-2023	978-3-031-35644-5
38	Dr.K.Rama Linga Reddy	2022 Fourth International Conference on Emerging Research in Electronics, Computer Science and Technology (ICERECT)	A General Regression Neural Network based Blurred Image Restoration	2022-2023	978-1-6654-5635-7
39	Dr.G.Srivalli	World Conference on Applied Sciences, Engineering and Management	A broadband MIMO array with Gap Coupling for 5G Applications	2022-2023	978-81-930222-8-3
40	Mr.A.Chandra Shaker	International Conference on Intelligent Computing and Communication (ICICC-2022)	Dragon Fruit Stem Disease Detection Using Image Processing	2022-2023	978-981-99-1588-0
41	Mr.G.Krishna Reddy	Third International Conference on Smart Electronics and Communication (ICOSEC 2022) CNCE,Tamilnadu	BER Analysis of MIMO-OFDM System using STBC and V-BLAST	2022-2023	978-1-6654-9764-0
42	Dr. Rajkumar L. Biradar	2023 Fifth International Conference on Electrical, Computer and Communication Technologies (ICECCT)	MU-MIMO User Selection & OFDMA in 802.11AX-Based WI-FI Networks	2022-2023	978-1-6654-9360-4
43	Dr.A.Naveena	Wireless Sensor Networks Principles		2021-2022	979-8-8855-5732-0
44	Dr.A.Naveena	Deep Learning and Applications		2021-2022	979-8-8855-5732-0
45	Dr.M.Vijaya Lakshmi	IEEE, Advances in electrical, computing, communication and sustainable technologies, April 2022	Improved Selective Mapping Technique for reduction of PAPR in MIMOOFDM Wireless Communication	2021-2022	978-1-6654-1120-2
46	Mrs.Vulugundam Anitha	Terahertz Wireless Communication Components and System Technologies, A 10-Element Series Fed Non-uniform High Directional Planar Antenna Array at 0.3 THz	A 10-Element Series Fed Non-uniform High Directional Planar Antenna Array at 0.3 THz	2021-2022	978-981-16-9182-9
47	Mr.A.Chandra Shaker	International Conference on Innovative Computing, Informatics and Advanced Communication Systems (ICCIAC-2022)	IoT Based Smart College Bus Transport System	2021-2022	978-0-7354-4634-2
48	Mrs.Vulugundam Anitha	IEEE Indian Conference on Antennas and Propagation (InCAP)	A Planar High Directional Bow-tie Yagi-Uda Antenna for Compact THz Wireless Devices	2021-2022	978-1-6654-0110-4

49	Dr.Rajkumar L Biradar	6th International Conference on Information and Communication Technology for Intelligent Systems	Performance Evaluation of Biharmonic Function-Based Image inpainting Approach	2021-2022	978-981-19-3570-1
50	Dr. Rajkumar L. Biradar	IEEE 4th International Conference on Smart system and Inventive Technology (ICSSIT-2022)	"Performance Analysis of Image Inpainting using K-Nearest Neighbor "	2021-2022	978-1-6654-0117-3
51	Dr.M.Vijaya Lakshmi	2021 IEEE International conference on Electrical,computer and communication Technologies	Performance Enhancement of Training Based Channel Estimation in MIMO-OFDM system	2021-2022	978-1-6654-1480-7
52	Dr.M.Vijaya Lakshmi	12 thInternational conference on recent Engineering and technology,	PAPR reduction of OFDM signals using N-PTS Scheme with low computational complexity	2021-2022	978-93-5406-579-8
53	Mrs.T.Sunitha	International Conference on Advances in Engineering, Science and Management (ICAESM-2021)	Simulation of Successive Interference cancellation of NOMA	2021-2022	978-93-90214-18-1
54	Mr.V.Vikas	Innovative Data Communication Technologies and Application	Data Optimization based Security Enhancement in 5G Edge Deployments	2020-2021	978-981-15-9651-3
55	Dr.G.Srivalli	9th WCSEM Conference, Paris, France, 17 Dec, 2020	Gap Coupled Four Element MIMO Array for 5G Applications	2020-2021	979-8-3503-9922-6
56	Dr.Rajkumar L Biradar	2020 4th International Conference on Electronics, Communication and Aerospace Technology (ICECA)	PAPR Reduction in Space Time Coded MIMO-OFDM Systems using SCS-SLM Technique	2020-2021	978-1-7281-6387-1
57	Ms.G.Swetha	2020 4th International Conference on Electronics, Communication and Aerospace Technology (ICECA)	Implementation on Non linear adaptive equalizer for MIMO OFDM in Wireless Communication	2020-2021	978-1-7281-6387-1
58	Dr.M.Vijaya Lakshmi	International conference on robotics design and applications using wireless sensor networks,IOT,Artificial intelligence	Improved training based channel estimation technique for MIMO-OFDM system	2020-2021	978-93-89107-33-3
59	Dr.M.Vijaya Lakshmi	International conference on robotics design and applications using wireless sensor networks,IOT,Artificial intelligence	Training Based Channel Estimation Technique Using Improved LMS Algorithm for MIMO-OFDM System	2020-2021	978-93-89107-33-3

60	Dr.M.Vijaya Lakshmi	International conference on robotics design and applications using wireless sensor networks,IOT,Artificial intelligence	Performance of QAM System with Convolutional Codes	2020-2021	978-93-89107-33-3
61	Dr.K.Rama Linga Reddy	International conference on IoT in Social, Mobile, Analytics and Cloud (I-SMAC-IEEE)	A Comprehensive study on Vertical Handover for IEEE 802.21 Wireless Networks	2020-2021	978-1-7281-5464-0

List of Recognised Supervisors available in the department

Table B.5.8.7. List of Recognised Supervisors available in the department

S.No.	Name of the faculty	Recognised University details	Area of specialization	Year of Recognition	Number of scholars pursuing/Awarded
1	Dr K RamaLinga Reddy	JNUTH	Image Processing & Data Communications	2012	Awarded-4
2	Dr Rajkumar L Biradar	VTU	Image Processing & Signal Processing	2015	Awarded-5

List of scholars awarded PhD under the supervision of Institution faculty

Table B.5.8.8. List of Scholars pursuing/received PhD under the supervision of Institution faculty

S.No	Name of the faculty Supervisor	Name of the Scholar	University/ College	Month and Year of Award	Area of specialization
1	Dr K Rama Linga Reddy	M.Vijaya Lakshmi (https://www.gnits.ac.in/wp-content/uploads/2022/02/vijayalakshmi.pdf)	JNTUH	September, 2020	Wireless Communications
2		A.Naveena (https://www.gnits.ac.in/wp-content/uploads/2022/02/a-naveena.pdf)	JNTUH	May, 2021	Computer Networks
3		V. Hindumathi (https://www.gnits.ac.in/wp-content/uploads/2022/03/hindumathi-2.pdf)	JNTUH	Jul, 2021	Wireless Networks
4		M.Naresh (https://www.gnits.ac.in/wp-content/uploads/2022/03/naresh.pdf)	JNTUH	Jul, 2021	Wireless Networks
5		SreedharKollem (https://www.gnits.ac.in/wp-content/uploads/2022/03/sreedhar.pdf)	JNTUH	Nov, 2021	Image Processing

6	Dr Rajkumar L Biradar	Girija Vani G (https://www.gnits.ac.in/wp-content/uploads/2022/02/girija-vani.pdf)	VTU	Feb 2023	Wireless Sensor Networks
7		Phanindra Reddy K (https://www.gnits.ac.in/wp-content/uploads/2022/02/phanindra-reddy-k.pdf)	VTU	Feb 2023	Wireless Sensor Networks
8		Ambika (https://www.gnits.ac.in/wp-content/uploads/2022/02/ambika.pdf)	VTU	March 2022	Image Processing
9		Manjunath R. H (https://www.gnits.ac.in/wp-content/uploads/2022/02/manjunath.pdf)	VTU	Aug 2023	Image Processing

List of faculty members pursuing PhD in various universities

Table B.5.8.9. List of faculty members pursuing PhD in various universities

S.No	Name of the faculty	Course	Month and Year of Registration	University	Specialization	Status
1	N.Rama Krishna	Ph.D	Dec 2016	VTU	Image processing	Comprehensive Viva Completed
2	G.Krishna Reddy	Ph.D	Jan 2019	Sathyabhama University	Wireless Communications	Synopsis Submitted
3	V.Vikas	Ph.D	Sep 2020	Amrita University	Wireless Networks	Course Work Completed
4	V.Anitha	Ph.D	Feb 2021	VIT Bhopal	Terahertz Imaging	Comprehensive Viva Completed
5	A.Chandra Shaker	Ph.D	Jul 2021	Amrita University	IOT	Comprehensive Viva Completed
6	M.Jyothisna	Ph.D	Jul 2021	Amrita University	Wireless Communications	Course Work Completed

5.8.2 Sponsored Research (20)

Institute Marks : 0.00

2022-23 (CAYm1)

Project Title	Duration	Funding Agency	Amount(in Rupees)
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

2021-22 (CAYm2)

Project Title	Duration	Funding Agency	Amount(in Rupees)
FDP on Artificial Intelligence	20th to 30th Sept, 2021	E&ICT, NITW	110000.00
FDP on Recent and Emergi	6th to 16th Sept, 2021	E&ICT, NITW	110000.00
			Total Amount(Y): 220000.00

2020-21 (CAYm3)

Project Title	Duration	Funding Agency	Amount(in Rupees)
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Cumulative Amount(X + Y + Z) =






5.8.3 Development activities (15)

Institute Marks : 15.00


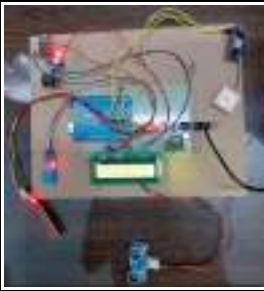




5.8.3.1 Product Development




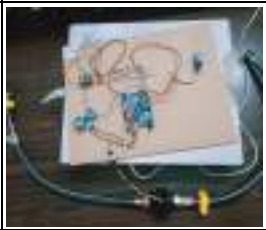

The Department of Electronics and Telematics Engineering actively engages in product development initiatives aimed at addressing real-time challenges and meeting technology demands. Leveraging its expertise in electronics and telematics, the department collaborates with industry partners to design, prototype, and test innovative solutions. These efforts contribute to the development of new technologies, products, and services that have practical applications in various sectors, including telecommunications, consumer electronics, and automation.



Table B.5.8.10. Product development details (Selective only)

S.No.	Project Title	Image
1	IoT Based Smart Cradle System	
2	IoT Based Smart Energy Meter	
3	Farm Bot	
4	Wireless Electric Vehicle Charging System	
5	SWIFT: Safety Wear for Immediate Fall Trauma	

6	Smart Flow: A Real-Time Water Management Solution	
7	Eye Blink-Controlled Wheel Chair: Enhancing Mobility and Independence for Individuals with Disabilities	
8	Detection of active mobile phones and hidden camera	
9	Automated Alcohol Sensing Engine Locker	
10	Advanced School Bus Safety System	

11	Food Spoilage Detection System	
12	Real-Time Monitoring for Efficient Drainage System	
13	Li-Fi Data Transfer System	
14	Edge detection robot	
15	Pick and place robot	
16	IR remote controlled automation lamps	

17	IoT based home automation lamps	
18	Smart gps vehicle tracker using arduino	
19	Automated car parking system	
20	Advanced water Monitoring System for House Hold Applications	
21	Level monitoring and alerting dustbin	

22	Automatic Hand Sanitizer machine	
23	Waste segregation dustbin	

5.8.3.2 Research laboratories

The Department of Electronics and Telematics Engineering stands at the forefront of innovation and research in the realm of telecommunications, IoT and signal processing. The research labs are equipped with cutting-edge infrastructure and are committed to advancing the frontiers of technology and addressing societal challenges through interdisciplinary collaboration and practical application. Complementing these research endeavors is our Project Lab, equipped with state-of-the-art equipment and resources, where students and faculty engage in hands-on projects spanning from embedded systems to Internet of Things (IoT) applications. Together, these research initiatives propel our departments mission to nurture innovation, foster academic excellence, and drive technological advancements that shape the future of telecommunications and electronics.

The department has the following Center of Excellence and Research centers

- A. Center of Excellence for Wireless Sensor Networks
- B. Center for Signal and Image Processing
- C. Center for Wireless Communications and Networks
- D. Center for Computer Networking

A.Center of Excellence for Wireless Sensor Networks

Profile: The Center of Excellence for Wireless Sensor Networks stands as a premier research and innovation hub dedicated to advancing the frontier of wireless sensor technologies. Established with a commitment to excellence, the COE focuses on pioneering research, development, and application of wireless sensor networks across like agriculture, health care, assistive devices, environmental etc.

Name of Coordinator: V. Vikas

Designation: Assistant Professor

Email: vikas@gnits.ac.in

Objectives

- To conduct cutting-edge research to push the boundaries of wireless sensor networks, contributing to academic knowledge and technological innovation.
- To foster collaborations with industry partners to seamlessly integrate research findings into practical applications, driving technological advancements in diverse sectors.
- To promote hands-on learning experiences and academic engagement.
- To create an environment conducive to innovation, providing cutting-edge prototyping facilities to translate theoretical concepts into tangible solutions and foster a culture of creativity within the COE.

Table B.5.8.11. Infrastructure in Center of Excellence for Wireless Sensor Networks

S.No	Name of equipment	No.Of. ITEMS	COST (Rs.)
1	Arduino Uno	10	4650
2	Raspberry PI 3 Model	1	2849
3	Energy Harvesting modules, Evaluation boards	4	57991.62
4	Embedded Sensor Area Network components	1	218453
5	ARM-9 Based Boards	1	24901
6	Netsim Software V-12 (18/11/2019)	30	376125
7	OFDM Transceiver Design- Software-defined Radio	1	125925
8	Intel Core i5, 8GB, 1TB HDD, Desktop	15	545160
9	Libelium IOT Evaluator Kit	1	796500
10	100MHz 4-channel Digital CROs	3	193248
11	MATLAB 2023 Software (Campus-Wide Usage)	1	159254
12	Handheld LCR meter	1	19800
13	Various Sensors and Communication modules (ECG, GPS, SIM900, DHT, IR pair, Moisture sensor, XBee modules, Bluetooth, Wifi, PIR, dc converters)	-	14528
Total			2539384.62

MOU's

- Omnytrix Integrated Solutions, Telangana
- Sri Mudra Techno Pvt. Ltd. , Hyderabad, Telangana
- The Art of Making Foundation, Dehradun, Uttarakhand
- DHREETI, IIT GUWAHATI

Outcomes

- Produce impactful research outcomes in Wireless Sensor Networks, showcased through publications and presentations at renowned conferences.
- Develop novel WSN applications, fostering real-world impact and addressing societal challenges, showcased through industry collaborations and technology transfer.
- Cultivate an entrepreneurial ecosystem through hackathons, ideation competitions, and collaborative initiatives, promoting innovation and providing a platform for transforming ideas into practical solutions.

B.Center for Signal and Image Processing

Profile: The Center for signal and image processing stands as a premier research and innovation hub dedicated to advancing the frontier of signal and image processing applications. The Centre for Signal & Image Processing, CeSIP, is a transdisciplinary research community for developing new algorithms, architectures and systems in the laboratory.

Name of Coordinator: Dr. Rajkumar L Biradar

Designation: Professor and HOD

Email: rajkumar_lb@yahoo.com

Objectives:

The objectives of a Center for Signal and Image Processing typically revolve around advancing research, development, and application of signal and image processing technologies. Here are some common objectives:

- To conduct cutting-edge research in signal and image processing to push the boundaries of knowledge and innovation in the field.
- To develop new algorithms, methodologies, and techniques for processing, analyzing, and interpreting signals and images.
- To offer educational programs, workshops, and training sessions to students, professionals, and researchers to foster expertise in signal and image processing.
- To collaborate with industry partners, other research institutions, and governmental organizations to share knowledge, resources, and foster collaborative projects

These objectives collectively aim to advance the field of signal and image processing, contribute to scientific knowledge, and promote the practical application of these technologies for societal benefit.

Table B.5.8.12. Infrastructure in Center for signal and image processing

S.No.	Name of the Equipment	No.of Items	COST (in Rs.)
1	DSP Trainer Kits, TMS 320VC 6713 based floating point DSP trainer kit with CCS	5	36,750/-
2	1MHz Function Generators	8	4,425/-
3	50MHz Digital CROs	5	19,647/-
4	Floating point DSP Trainers	5	40,710/-
5	Bread Board System	4	6,637/-
6	Math works campus wide suite software Maintenance service for existing license: 31363605	Campus wide	1,59,254/-
7	Netsim Software V-12	30 users	3,76,125/-
Total			6,43,548/-

Outcomes:

Center for Signal and Image Processing typically aims to achieve the outcomes through its research, collaboration, and educational efforts. Here are the two important outcomes:

- Establishing strong partnerships and collaborations with industry, academia, and other research institutions to foster innovation and accelerate the translation of research findings into practical applications.
- Applying signal and image processing techniques to various fields, resulting in practical solutions for industries such as healthcare (medical imaging), telecommunications, environmental monitoring, and more.

C.Center for Wireless Communications and Networks

Profile: The Center for Wireless Communications and Networks stands as a preeminent hub dedicated to the advancement of wireless communication technologies. At the forefront of innovation, the center is committed to excellence in research, development, and application across diverse domains. Focusing on cutting-edge wireless technologies, the center conducts pioneering work in network protocols and architectures to optimize performance and efficiency.

Name of Coordinator: Dr.M. Vijayalakshmi

Designation: Assistant Professor

Email: vijayap03@gmail.com

Objectives

- To conduct research to advance the frontiers of wireless communication technologies, exploring areas such as 5G and beyond.
- To develop innovative protocols and architectures to optimize the performance and efficiency of wireless networks.
- To explore Wireless Communication technologies for practical applications in agriculture, healthcare, and environmental monitoring to address societal challenges.

Table B.5.8.13. Infrastructure in Center for Wireless Communications and Networks

S.No.	Name of the Equipment	No.of Items	COST (in Rs.)
1	Math works campus wide suite software Maintenance service for existing license: 31363605	Campus wide	1,59,254/-
2	Netsim Software V-12	30 users	3,76,125/-
3	Spectrum Analyzer	1	91,520/-
Total			6,26,899/-

Outcomes

- Development of novel wireless communication protocols and architectures enhancing network efficiency and performance.
- Produce impactful research outcomes in Wireless Communication Networks, showcased through publications and presentations at renowned conferences.
- Integration of research outcomes into industry practices, fostering technological advancements and addressing current challenges in wireless communication.

D. Center for Computer Networking

Profile: The Center for Computer Networking is a leading research center dedicated to advancing the field of computer networking through cutting-edge research, innovation, and collaboration. Situated at the intersection of academia and industry, the center serves as a hub for multidisciplinary research, providing a platform for faculty, researchers, and students to explore and contribute to the dynamic landscape of computer networking.

Name of Coordinator: N. Rama Krishna

Designation: Assistant Professor

Email: ramakn@gmail.com

Objectives

- To conduct advanced research to make computer networks faster, safer, and more efficient.
- To work closely with companies to turn research into practical solutions, ensuring our work benefits the real world.
- To educate students and professionals in networking while fostering a culture of innovation through hackathons and competitions.

Table B.5.8.14. Infrastructure in Center for Computer Networking

S.No	Name of equipment	No.Of. ITEMS	COST (Rs.)
1	Netsim Software V-12 (18/11/2019)	30	376125
2	MATLAB 2023 Software (Campus-Wide Usage)	1	159254
3	ns2 Open source software	-	-
Total			535379

- Develop new technologies and strategies to make networks faster and more reliable for everyone.
- Create effective security solutions to protect networks from cyber threats, ensuring the privacy and safety of online communication.
- Empower students and professionals with networking knowledge, sparking creativity and entrepreneurship through engaging programs and competitions.

5.8.3.3 Instructional materials

The Department of ETE places a strong emphasis on developing high-quality instructional materials to support teaching and learning activities. Faculty members prepare comprehensive lecture notes, presentations, and multimedia resources to deliver course content effectively. Additionally, the department curates a repository of textbooks, reference materials, and online resources to supplement classroom instruction. The instructional materials are regularly updated to incorporate the latest advancements in the field and cater to the diverse learning needs of students. Instructional materials are provided to the students like shown in below table

Table B.5.8.15. List of the Instructional materials provided to the students (Selective only)

S.No.	Resource	Faculty Developed	Resource Link
1	VOIP	Dr.A.NAVEENA (https://drive.google.com/drive/folders/182O2Npjlmb4PFYuK5WH8VJvNqU1tL5?usp=sharing)	VOIP (https://drive.google.com/drive/folders/182O2Npjlmb4PFYuK5WH8VJvNqU1tL5?usp=sharing)
2	Telecommunication Switching Systems and Networks	Dr.A.NAVEENA (https://drive.google.com/drive/folders/182O2Npjlmb4PFYuK5WH8VJvNqU1tL5?usp=sharing)	TSSN (https://drive.google.com/drive/folders/14-mqtXe1qhiOepDQ_sFqZh6CoowldW1X?usp=sharing)
3	Network Security and Cryptography	Dr.A.NAVEENA (https://drive.google.com/drive/folders/182O2Npjlmb4PFYuK5WH8VJvNqU1tL5?usp=sharing)	M Tech (network security and cryptography) (https://drive.google.com/drive/folders/1KjfkGSOxyA7Rk6RAZBjfo7pjq7bjbLF?usp=sharing)
4	Telecommunication Switching Systems and Networks	Mr.V.Vikas (https://drive.google.com/drive/folders/1fsbO6HSUvvn9Zi_dWNszKVN7etSN4m?usp=sharing)	TSSN_MTech (https://drive.google.com/drive/folders/1fsbO6HSUvvn9Zi_dWNszKVN7etSN4m?usp=sharing)
5	Network Security and Cryptography	Mr.V.Vikas (https://drive.google.com/drive/folders/1fsbO6HSUvvn9Zi_dWNszKVN7etSN4m?usp=sharing)	Network Security and Cryptography_MTech (https://drive.google.com/drive/folders/1X9Gu4LoVbhnPmtiXYcrgsTfQub5QUto9?usp=sharing)
6	Internetworking	Mr.V.Vikas (https://drive.google.com/drive/folders/1fsbO6HSUvvn9Zi_dWNszKVN7etSN4m?usp=sharing)	Internetworking_MTech and BTech (https://drive.google.com/drive/folders/1wJtkFzgPptLQNIgPwPitJ2VSG3bqi6pU?usp=sharing)
7	EM Theory	Dr. Rajkumar L Biradar	https://youtube.com/@dr.rajkumarl.biradar4129?si=06ZzlkWQYlJwmFA5 (https://youtube.com/@dr.rajkumarl.biradar4129?si=06ZzlkWQYlJwmFA5)

8	Analog Electronics Lab	Mrs. Anitha	https://youtube.com/playlist?list=PLQJ3MPMyKhS4h2qr51xUuifNwiK0pwwd&si=InJMI1CKH723CGQ (https://youtube.com/playlist?list=PLQJ3MPMyKhS4h2qr51xUuifNwiK0pwwd&si=InJMI1CKH723CGQ)
9	Digital Electronics Lab	Mrs. Anitha	https://youtube.com/playlist?list=PLQJ3MPMyKhS4wkACvV4gEg--fBIULY9F&si=hik-LzrKcixw6hi9 (https://youtube.com/playlist?list=PLQJ3MPMyKhS4wkACvV4gEg--fBIULY9F&si=hik-LzrKcixw6hi9)
10	Network Theory	Mrs. Anitha	https://youtube.com/playlist?list=PLQJ3MPMyKhS65hNk0sOiMrZE7AzdKqgY&si=UwCK13dVqQFrq7B (https://youtube.com/playlist?list=PLQJ3MPMyKhS65hNk0sOiMrZE7AzdKqgY&si=UwCK13dVqQFrq7B)
11	Computer Networks	Mr. V Vikas	https://youtu.be/MsWsw9dQw-0?si=yvdJJSuO02WNM6fE (https://youtu.be/MsWsw9dQw-0?si=yvdJJSuO02WNM6fE)
12	Arduino Introduction with TInkerread	Mr. V Vikas	https://youtu.be/jWRk4h0lj-4?si=6ILX_-_FAu82CFN (https://youtu.be/jWRk4h0lj-4?si=6ILX_-_FAu82CFN)
13	Digital Electronics	Mr. A. Chandra Shaker	https://youtube.com/playlist?list=PL2nA5Hmk-TnHRrx60_R--KyBA9cIEV2ZA&si=eGULj7ARf5xeNxoP (https://youtube.com/playlist?list=PL2nA5Hmk-TnHRrx60_R--KyBA9cIEV2ZA&si=eGULj7ARf5xeNxoP)
14	Embedded System Design	Mr. A. Chandra Shaker	https://youtube.com/playlist?list=PL2nA5Hmk-TnEUYLxLHldYSgAu9FfGwpNB&si=iPt2Mwx6B46AOqQL (https://youtube.com/playlist?list=PL2nA5Hmk-TnEUYLxLHldYSgAu9FfGwpNB&si=iPt2Mwx6B46AOqQL)

Lab manuals are prepared for different labs for guiding students to perform lab experiments

Table B.5.8.16. List of the lab manuals to perform lab experiments

S.No.	Name of the faculty	Instructional Materials (Laboratory Manual)
1	Mrs M. Vijaya Lakshmi/ Mrs K.Pranathi	Basic Simulation Lab(2-1)
2	Mrs T.Sunitha	Electronic Devices and Circuits Lab(2-1)
3	Mr N.Ramakrishna	Python Programming Lab(2-1)
4	Mr A.Chandra Shaker	Analog Electronics Lab(2-1)
5	Mrs T.Sunitha	Analog Circuits Lab(2-2)
6	Mrs M. Vijaya Lakshmi	Digital Electronics and Logic Design Lab(2-2)
7	Mrs V.Anitha	Digital Electronics(2-2 EEE)
8	Mrs M. Vijaya Lakshmi	Analog and Digital Communication Lab(3-1)
9	Mr N.Ramakrishna	Microprocessors and Microcontrollers Lab(3-1)
10	Mr V.Vikas	Electronic Communication Design Lab(3-1)
11	Mrs A.Naveena	Telecommunication Lab(3-2)
12	Mr V.Vikas	Computer Networks lab(3-2)
13	Mr G.krishna Reddy	Digital Signal Processing Lab(3-2)
14	Mrs P.Sreesudha	Wireless Communication Lab(4-1)

5.3.8.4 Working models/charts/monograms etc.

To enhance conceptual understanding and practical skills, the department showcases a variety of working models, charts, and monograms related to electronics and telematics engineering. These educational aids help students visualize complex concepts, principles, and phenomena. The department encourages students to actively engage with these models during laboratory sessions, workshops, and seminars.

The following are of Working models available in the department for making students understand in a better way the applications.



Figure B.5.8.1. Satellite Trainer model



Figure B.5.8.2. STK-9302 trainer for ARM9 Controller



Figure B.5.8.3. Weather Station Model



Figure B.5.8.4. Embedded Sensor Network model



Figure B.5.8.5. Radar Trainer model

Charts



Figure B.5.8.6. Display of Charts in Laboratory with details of basic elements, scientist, Semiconductors etc



Figure B.5.8.7. Display of Charts in Laboratory with details of various applications of diod



Figure B.5.8.8. Display of Charts in Project laboratory with Projects carried out



Figure B.5.8.9. Display of Charts in Project laboratory with Projects carried out

5.8.4 Consultancy (from Industry) (20)

Institute Marks : 20.00

2022-23 (CAYm1)

Project Title	Duration	Funding Agency	Amount(in Rupees)
EYEBOT: Eye I	3 Years	Forte9 Instituti	310000.00
TS EAMCET 2	18-07-2022 to :	TCS Digital Ior	65481.00
BITSAT-2022 5	04-07-2022 to I	Eduquity Caree	125440.00
			Total Amount(X): 500921.00

2021-22 (CAYm2)

Project Title	Duration	Funding Agency	Amount(in Rupees)
Education Infra	2 Years	Saamala Integ	130000.00
JEE Mains See	23-06-2022 to :	National Testin	49863.00
VEDe-iBoT: Rc	2 years	Raghavendra f	240000.00
			Total Amount(Y): 419863.00

2020-21 (CAYm3)

Project Title	Duration	Funding Agency	Amount(in Rupees)
Autonomous Soil Sampling	3 years	Omnytrix Integ	290000.00
			Total Amount(Z): 290000.00

Cumulative Amount(X + Y + Z) = 1210784.00

5.9 Faculty Performance Appraisal and Development System (FPADS) (10)

Total Marks 10.00

5.9.1 A well-defined system for faculty appraisal for all the assessment years (5)

GNITS implements a well structured format for the Faculty Performance Appraisal and Development Systems as shown below. Faculty members perform varied tasks beyond teaching. They must innovate, conduct research to foster self-renewal, stay updated on technological advancements, and gain expertise to enhance curriculum implementation. Administrative duties and collaborative work in department committees & college level committees is also considered. A comprehensive performance appraisal system for faculty members is prepared for maximizing their individual contributions.

The four categories incorporated in Annual appraisal format is listed below.

Category 1: Teaching, Learning & Evaluation

Category 2: Faculty Development

Category 3: Research & Consultancy

Category 4: Governance & Administration

Sample Copy of Appraisal form submitted by faculty



G. Narayanamma Institute of Technology & Science
Autonomous (for Women)

Faculty Annual Performance Appraisal

PART - I

S.No.	Particulars	Designation
1	Name of the Employee	[REDACTED]
2	Employee ID	11008
3	Department	ETS
4	Date of Birth	28 March 1978
5	Date of Joining & Period of service in this institution	1st Oct 2013, 10 Years and 5 months (to November 2023)
6	Present Position & date of reporting	Assistant Professor, 1st Oct 2013
7	Present Pay Band, Grade Pay and Gross Pay	38,100/- to 1,02,600/-, 1000, 71142
8	Appointment Period	From March 2022 To November 2023
9	Degrees and other Highest Qualifications	M.Tech (IT)
10	Areas of Specialization	3D, VR, Networking, IoT, Security, AI&ML
11	Experiences before joining this Institution	Teaching: 0 Industrial: 0 Research: 0 Total: 0
12	Total Experience in years	Teaching: 10 Industrial: 0 Research: 0 Total: 10

PART-II

Category 1: Teaching, Learning & Evaluation

1.1 Lectures, Practical, Seminar Contact hours (employee wise details)

- > For each course/lab/course/laboratory 10 points, if taught as per allotment.
- > For each mandatory/audit course 5 points, if taught as per allotment.

30
10 points

Note: Teaching learning process involves imparting of knowledge / instruction as per curriculum with the prescribed material (Text book, material etc.), suitable enrichment by providing additional resources to students

S. No.	Name of the Course /Lab	Sl. Tech./Pr. Tech./Seminars	Novel Pedagogical Methods used	No. of Teaching Periods planned	No. of Teaching Periods Conducted	% of classes engaged as per record	Score
1	Principles of Computer Networks	II Tech (II year II Sem)	1, 2, 3, 4, 5, 11, 12, 14, 15, 19	48	48	100	18
2	Computer Networks Lab	II Tech (II year II Sem)	3, 3, 3, 3, 11, 12, 14, 15, 19	48	48	100	18
3	Wireless Sensor Networks Lab	II Tech (II year II Sem)	3, 3, 3, 3, 11, 12, 14, 15, 19	48	48	100	18
4	Fundamentals of IoT	II Tech (II year I Sem)	1, 2, 3, 4, 5, 11, 12, 14, 15, 19	48	48	100	18
5	Wireless Communication Theory Lab	II Tech (II year I Sem)	3, 3, 3, 3, 11, 14, 15, 19	48	48	100	18
Total							90

*** Pedagogical Methods**

- CA - Chalk & Talk
- SP - Slides/PPT
- Videos
- SEM - Seminar
- Demo
- CHBT
- ITNG - Expert Talk/Guest Lecture
- Q&A

5. O/S - Class room problem solving

- GD - Group discussion
- RIS - Real time case studies
- JR - Journal article review
- MOCS
- FD - Poster design
- dc - Online lecture/Google class rooms
- Industrial Visit (IV)

6. Assessment (Ass)

- Quiz Paper (QP)
- Brain storming (BS)
- Think-Pair-Share (TPS)
- Case/Case/CERT
- SM - Simulation
- PI - Pledge/Greeting
- QR - Quotes, references
- LS - Literature Survey
- RA - Report Writing

Figure B.5.9.1.Appraisal form page 1

16. FTE: (Full-time)
17. FTE: (Part-time)

18. Other: (Specify)
19. Other: (Specify)

20. FTE: (Full-time)
21. FTE: (Part-time)

22. If any other please specify.

Faculty can select more than one method and include Social Numbers.

1.1 Feedback and Result Analysis for the courses Taught (Two Previous Semesters) 15 Points
 Course Pass Percentage (+95% = 5 Points, +80% to 95% = 4 Points, +70% to 80% = 3 Points, +50% = 2 Points)
 Course Feedback received (+85% = 3 Points, +75% to 85% = 4 Points, +65% to 75% = 3 Points, +50% = 2 Points)
 Course Average CGPA (+4 to 4.0 = 5 Points, +3.5 to 4 = 4 Points, +3 to 3.5 = 3 Points)

S.No.	Name of the Course	Feedback received (%)	Course Pass Percentage (%)	Average CGPA for Course	Score
1.	21 credits of Computer Networks	88 (%)	100 (%)	4.00 (%)	15
2.	Fundamentals of AI	91.40 (%)	91.11 (%)	3.84 (%)	14
Average of Total Courses					14.5

1.2 College and university annual examination marks for per duties attended (Two Previous Semesters) 3 points
 Evaluation of answer scripts: 1 Point, External/Question paper setting: 1 Point, Examinative work, such as: answerer: 1 Point, as a Moderator: 1 Point, as a Chief Examiner: 1 Point, Scrutiny: 2.1 points per semester)

S.No.	Details of duties performed	Score
1.	Chief Examiner (1st Supply and Regular, PCT Supply and Regular) (Total 4)	20
2.	Moderator: PCT Supply and Regular, Full Supply and Regular, PCT & REG (Total 5)	10
3.	Examiner (question Paper): 2 subjects for marks college	11
4.	Evaluation of answer Scripts: Voluptas at IISIT	1
Total		42

Category 2: Faculty Development 15

2.1 Details of Programmes attended /Courses completed
 Seminars/Conferences/Symposia/Workshop or any interaction/Industry visits, FSW/Workshop/STP/any similar Training Programmes with Industry / IISIT/ Course for PRODIGY/SMART/ etc.)
 duration upto 1day: 1 point, 2days: 2 Points, 3days: 3 Points, > 3 weeks: 4 Points)

S.No.	Details of the Programme / Course	Period	Score
1.	Understanding research ethics and Funding various projects organized by IISIT	1 Day May-1, 2022	1
2.	National Intellectual Property awareness seminar	1 Day June-11, 2022	1
3.	Cyber Crime and Forensic Tools	1 week (08/09/2023 to 12/09/2023)	1
4.	FWP on Cloud Infrastructure	1 week (17 to 20-August 2023)	1
5.	Systems and Vulnerability Security	4 week (Jan 2023 to Feb 2023)	1

2.2 For organizing Seminars/Conferences/FSW/Workshop/STP/any other similar Training Programmes with Industry Max. 10 points for each 5 points

S.No.	Title of the Programme	Period	Sponsors	Status	National International	Score
1.						

2.3 Details of Key Note Address (Invited Lectures/ Guest Lectures/ Expert Lectures/Outreach activities/ Seminars/ Conferences/ Workshops/ Symposia where served as Reviewer/Prize/Judicial/ Jury Panel member/ Judge) (2020-23) Max. 10 points
 (Date/Day: 1 Point, Venue: College: 1 Point)

S.No.	Name & Title of the Expert Lecturing/Talk/Invited Guest/Key Note Address/Chief Guest or Guest of Honor etc.	Event/Programme details (Date, Programme Name, Theme, Organized, Venue, Duration etc.)	Date	Score
1.	Invitation for Fests/Workshop	IISIT	March to May 2023	1
2.	Judge for International 2023	IISIT	24/04/2023	1
3.	National Level Lecturer for IISIT/2023	National Level through Online		1
4.	National Level Lecturer for IISIT/2023	National Level through Online		1

Figure B.5.9.2.Appraisal form page 2

3.4 Details of Awards and Honors/Memberhips/Post Doctoral Fellow (Award priority given) Max 5 points for each 5 points
 Total of 10 pts

S.No	Special appreciation for contribution in R&D	GOVT Young Talent Award	Score
1			1
2			1

3.5 Improvement in Teaching Learning Process - Course Material/content/Video Lecture developed, Yes/No/Noture
 Max 5 points (Online, Classes Videos are not considered for each 5 points)

S.No	Name of the Course/Lab	B.Tech./M.Tech./Ph.D. Thesis	Whether the material is provided in the website	Score
1	Telecommunication Switching Systems and Networks	M.Tech., IV B.Tech II Sem	Yes	1
2	Network Security and Cryptography	M.Tech., IV B.Tech II Sem	Yes	1
3	Networking	M.Tech	Yes	1
4	Computer Networking	B.E Tech II Sem	Yes	1

Category 3: Research & Consultancy
 3.1 Academic Projects guided
 Max 5 points

Count	Type of Project	Number	Score	Total
B.Tech.	Mini Project Guided	2	Score 01 for each batch	2
	Major Project Guided	2	Score 02 for each batch	
M.Tech.	Mini Project Guided	1	Score 02 for each student	2
	Major Project Guided	1	Score 04 for each student	

3.2 Status of Ph.D. (If any)
 (Registered: 2 Points, Cleared one Ph.D. 3 Points, Thesis Submitted: 4 Points, Awarded: 5 Points)

Registered for Ph.D.	Cleared Ph.D. Exam	Thesis Submitted	Awarded	Score
				0

3.3 Research Publications
 - International Journals/Conferences published in Web of Science/SCOPUS/ISI/IEEE for each 15 Points
 - Any other Indexed Index, Journals/Conferences with ISI/SCOPUS No. for each 10 Points
 - Any Unindexed National Journals/Conferences with ISBN/ISSN No. for each 5 Points
 (For 3.3.1 & 3.3.2)

3.3.1 Research Papers (International & National Journals Only)

S.No	Index (National/International/Other)	Title of the Paper	Name of Author	Journal Name (Vol No, PP)	ISSN/DOI No.	Impact Factor	H Index	Google Scholar JGC/Scopus/ISI/IEEE	Score
1	International	IoT Security Audit and Penetration Testing: Identifying Vulnerabilities and Strengthening Robust Security	A. Chakraborty, T. S. Suresh, K. Suresh, K. Suresh, G. A. Engineering Technology, Vol. 11	Journal for Information Systems	10.1108/JIS-01-2023-0011	1.481		Google Scholar	1

3.3.2 International/National Conferences

S.No	Index (National/International/Other)	Title of the Paper	Name of Author	Conference Name (Vol No, PP)	ISSN/DOI No.	Impact Factor	Google Scholar JGC/Scopus/ISI/IEEE	Score
1	International	Machine Learning Based Security Enhancement in IIoT Edge Deployment	V. S. Suresh, K. Suresh, G. A. Engineering Technology, Vol. 11	2023 International Conference on Information Technology (ICIT)	10.1108/ICIT-01-2023-0011		Scopus	1

* Here paper cannot be shown in Journal and Conference

Figure B.5.9.3.Appraisal form page 3

3.1.3 Length of Books, Book Chapters and Monographs, written/edited with ISBN/ISSN number (Book: 30 Points, Book Chapter: 5 Points, Monograph: 3 Points) **Max: 38 points**

S.No.	Publication Details (with Names of All Authors, Title, Publisher & City, Edition, Print, Vol No, Month, Year etc.)	ISBN/ISSN No. (if any)	Status (Tick Mark)			Score
			Book	Book Chapter	Monograph	
1	Vikas. The Theory, '4 to 8'00, Practices using VIKAS, LARSEN & TUBRO. Publishing, 2021	978-81-9335-181-5	✓			3
2	Vikas. Ananta. Intha, Intha... - Wooden Eye controlled device for the Faculty of, 2021	978-81-9335-181-5	✓			3
3	Vikas. Nishantha, Rajana, Kalyani. - Introduction to Wooden Science using LabVIEW	978-81-9335-181-5	✓			3

Note (Section 3.3): For Journals/Conferences/Books - Single Author: 100%, For 2 authors - 50% for each author, For 3 authors - 33% for each author, More than 3 authors: 40% is shared to first two authors and the remaining 40% would be shared equally by all other authors.

3.4 Research Guidance as Supervisor/Co-Supervisor for the last three years (Registered: 3 Points, Awarded: 10 Points) **Max: 30 points**

S.No.	Name of the Student	University	Title of the Thesis	Whether guide /Co-guide	Score
1					

3.5 Research Funding secured in last 3 years by various agencies like AICTE/DST/any other body (Applied: 2 Points, Sanctioned: 18 Points)

S.No.	Title of the Project	Funding Agency	Amount	Whether Principal Investigator/ Co-Investigator	Status (Sanctioned or Applied)	Score
1	Improving IC Population through Sustainable Agriculture, Avian Centers, Capacity Building and Technologies in Vikasat District, Telangana	DST	3.42 Cr	Principal Investigator	Applied	2
2	Developing rural water in STON 3D Printing as a Catalyst	DST	1.25Cr	Co-Investigator	Applied	2
3	Revolutionizing food system engineering through technological interventions for agriculture, 3D printing & skill development for sustainable livelihood	DST	2.38Cr	Principal Investigator	Applied	2
4	Enhancing rural water in STON 3D Printing as a Catalyst	DST	400000	Principal Investigator	Applied	2
5	Empowering Tribal Population of Vikasat District, Telangana through Community-Centric Strategies	DST	2.67Cr	Principal Investigator	Applied	2
6	Design and Development of an Electrochemical Potentiostat Health Reader with Enhanced Tactile Feedback	DST	6520784	Co-Investigator	Applied	2
7	Eye-free eye blind controlled wheel chair for disabled and elderly	NSRF-ICMR	210000	Principal Investigator	Applied (shown in sanction)	1.5
8	Eye-free eye blind controlled wheel chair for disabled and elderly	NSRF	1400000	Founder of Idea	Applied	2
9	SWIFT-Safety Wear for Innovative Fall Trains	NSRF	1400000	Founder of Idea	Applied	2
10	Safe Powered Portable Charging Stations	NSRF	1300000	Member	Applied	2
11	Detection of Active Mobile Phones and Hidden Cameras	NSRF	400000	Member	Applied	2

3.6 Details of Consultancy offered in last 3 years (Sanctioned: 5 Points)

S.No.	Type of Consultancy	Sanctioned Organisation	Amount	Score
1				

3.7 Details of Patents for the last three years (Published: 5 Points, Granted: 18 Points)

S.No.	Patents Received /Applied	Date of Received /Applied	Score
1			

Figure B.5.9.4.Appraisal form page 4

PART-III

S.No.	Category	Max. Score	Self Appraisal Assessment Score	HOD Assessment Score
1	Teaching, Learning & Evaluation	30	28.5 (114%)	28.5
2	Faculty Development	15	15 (100%)	15
3	Research & Consultance	40	40 (100%)	40
4	Governance & Administration	15	10 (66%)	10
Total		100	93.5 (93.5%)	94.5

PART-IV
(To be filled by Administrative Personnel, respective HOD, Principal & Management)

L. Leaves used in the last Appraisal Period. (To be filled by the Administrative Officer) *60 Days*

S.No.	Type of Leave	No. of leaves used	No. of leaves on Loss of pay
1	Casual Leave	10	
2	Sick Leave	01	
3	Half Pay Leave	-	
4	Academic Leave	-	
5	OD	06	
6	CCL	01	
7	Maternity Leave	-	
8	Vacation	07	
9	Total No. of days & hours late reporting to the duties: days _____ hrs _____		
10	Total No. of days & hours early leaving from the institution: days _____ hrs _____		

S.V. Anand
Admin Officer

M. Salary Details: Regular Scale / Dargah (2024)

a) Scale of Pay	59100-108000	
b) Present Basic	53800	
c) Present AGP	5%	
d) Present D.A. %	11.42	
e) Gross Salary		

Actuals
Accts. Officer Sign

Assessment by Head of the Department :

S.No.	Performance Evaluation (Criteria)	Deficient	Below Standard	Meets expectation	Above standard	Outstanding
		1	2	3	4	5
1	Attitude					✓
2	Job knowledge					✓
3	Attendance/Punctuality					✓
4	Eagerness to learn					✓
5	Teach work/work relations					✓
6	Leadership / Responsibility					✓
7	Work under pressure					✓
8	Initiative					✓
9	Communication skills					✓
10	Effective Problem Solving Skills					✓
Sub Total						50

Grand Total Out of 50

*Based on the above Score HOD can give Qualitative Remarks

Figure B.5.9.5.Appraisal form page 5

Category 4: Governance & Administration

4.1 Details of Administrative Positions held in the Institute level
(Deputy HOD/Coordinator (18 Points), or JAO/Coordinator/Co-ordinator (5 Points))

S.No.	Name of the Administrative Position	Work involved	Period	Score
1	ICC Co-ordinator	To look after ICC activities at college level	1 Aug 2021 to 31/08/21	10
2	Head Coordinator	Looking after National level events especially at college level, looking after clubs, programmes, and awarding points by SIC	1st August 2011 to 31st Aug 2021	10
3	Cell dept coordinator	Managing the activities, Man-Packing Competitions, M&B activities	2019 to till date	1
4	Dept Coordinator for N&B	N&B related activities	2019 to till date	1
5	Dept Coordinator for M&B	Looking after M&B activities to promote students cultural background in college	2019 to till date	1
6	Co-ordinator of National Innovation Strategy Policy	To provide students for special innovation and start-ups	2016 to 2021 to till date	1
7	SPOC for KAVACH 2021	To coordinate with students and faculty staff for KAVACH 2021	1st to 31st July 2021	10
8	Dept Coordinator for M&B group	To coordinate with dept staff for collecting proposals for M&B	1st Aug 2021 to till date	1
9	Dept Coordinator for Publications	To coordinate publications dept level and take care of them	1st Aug 2021 to till date	1
10	SPOC for YOKYI M&B	Coordinating and monitoring for YOKYI M&B	1st Aug to May 2021	10

4.2 Details of activities under Student Chapters/Professional Bodies/Student Clubs/Intra-collegiate/Innovation activities/Other activities (Corporate/Industry/Outreach)

S.No.	On Extra Curricular Activities participated/organized	Duration	For each 5 points	Score
1	Coordinator for M&B, Women Meet on 1st	August to September 2021	1	1
2	Coordinated M&B internal booklets 2021	August 2021 to till date	1	1
3	Monitoring/Mentoring 3 teams for SIC, 2 for M&B, 1 for YOKYI, 1 for W&A style, 4 for M&B, 6 for M&B (2021) 1 point for each individual	Aug 2021 to till date	10	10
4				
5				

4.3 Student Counseling (Based on Success stories, HOD can award the points)

S.No.	Year & Semester	No. of students counseled	Outcomes/Issues	For each 3 points	Score
1	S, S.E, IV & I Sem	02	Students registered in Address 1, Address 2, Address 3	1	1
2	S, S.E, IV & I Sem	05	Students registered in Address 1, Address 2, Address 3	1	1

Any other Information:

Date: 17/11/2023

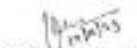

 Signature of the Faculty

Figure B.5.9.6.Appraisal form page 6

HEAD OF THE DEPARTMENT REMARKS	
<ul style="list-style-type: none"> * He is hardworking & committed faculty with excellent innovative skills/ideas, which helped our students to perform well on hackathons & other competitive events. * He published 1 google scholar Int. journal & one Scopus indexed journal (Int) * He applied 4 research projects as PI, 2 as Co-PI & received SEEDGRANTS as PI & Co-PI * He is mentoring & helpful 	<i>P. Prudhviraj</i> HEAD OF THE DEPARTMENT
Total score 99.5. Re-commissioning annual increment of 3%	
VICE-CHAIRPERSON'S REMARKS	
<i>Sy. G. Prudhviraj</i>	
CHAIRPERSON'S REMARKS	
CHAIRPERSON	

*Please include Graphs, Feedback, Appraisal Letter & Award Letter of Papers Published (if any) with this appraisal form.

Figure B.5.9.7.Appraisal form page 7

5.9.2. Faculty Performance Appraisal and Development System (FPADS) implementation and effectiveness

The Institution has a formal "Annual Performance Appraisal" for Teaching faculty conducted every year. The faculty are required to submit the filled in Performa of self-appraisal which is based on "Performance Based Appraisal System" as per UGC regulation 2010 and 2016. The strengths, weaknesses and future plans are analysed and then increments are released. This system helps the faculty in setting up new goals and self-assesses their strengths and weaknesses. Based on the Annual appraisal the faculty is given increments, and this becomes one of the parameters in giving promotions in their respective cadre.

The institute HR policy clearly outlines the performa for faculty self-appraisal reports. This document encompasses academic, research, curricular, governance and administration contributions made by the faculty throughout the academic year. Faculty members are required to complete the Proforma and submit it to their respective department.

Table B.5.8.20. Table describing the parameters considered for Appraisal

S. No.	Category	MaxScore
1	Teaching, Learning & Evaluation	30
2	Faculty Development	15

3	Research & Consultancy	45
4	Governance & Administration	10
Total		100

The faculty submits self-appraisal reports for the academic year which is evaluated by the head of the department. Faculty performance appraisal focuses on teaching, research, and administrative duties. Institutions aim for a systematic assessment aligned with the institutional quality system. Before the start of each academic semester, the Academic calendar is distributed. All the faculty are expected to use Pedagogical methods and ICT tools for teaching learning. The faculty should adhere to the academic calendar and it is assessed by two Class Review Committee (CRC) meetings conducted per semester to gather student feedback, facilitating ongoing improvement in the teaching-learning process. All faculties perform Examination and Evaluation duties assigned by the institute/university or attending the examination paper evaluation. Faculty development is promoted through attendance at FDP sessions focusing on emerging areas to update knowledge in line with the latest technology. Faculty are encouraged to organizing seminars/conferences/workshops and FDPs. Faculty engage in research, consultancy, and faculty development activities, including conducting minor or major research projects, resulting in at least one publication in peer-reviewed or UGC-listed journals or in International Conferences and Book/Book Chapters. Faculty hold administrative positions like Dean, Head, Co-ordinator etc. They also act as committee member in different activities in student-related co-curricular, extension, and field-based activities, including student clubs, career counselling, industrial visits, seminars, cultural events, sports, NCC, NSS, and community services. Engagement of the faculty in all these activities are assessed and accordingly the faculty are given appraisal.

Implementation

A Key Performance Indicators (KPI) system has been introduced in the Department to align teachers' initiatives in teaching, research, and administration areas. The self-appraisal performance method is evaluated on a score for 100 points.

A 4-step process is conducted for evaluating the actual performance of every faculty based on the guidelines given in the performance evaluation form.

1. Self-Appraisal (Faculty evaluating themselves)
2. Appraisal by Heads of their department
3. Appraisal by Principal
4. Appraisal by Vice Chairperson/Chairman

To ensure consistency in assessment, evaluation involves verifying all supporting documents provided by the faculty. The faculty are evaluated for a score of 100. The increments for the yearly appraisal are assessed for an increment of 0% to 3% based on the scored in the appraisal form.

Table B.5.8.21. Table describing the percentage of increment based on the score obtained

S.No	Score Range	Increment % on Basic
1	Greater than 90 and equal to 100 increment	3
2	Greater than or equal 80 and less than 90	2.5
3	Greater than or equal 70 and less than 80	2
4	Greater than or equal 60 and less than 70	1
5	Less than 60	0

Incentives for Outstanding Research

The Institute would like to encourage quality research in different thrust areas. For this purpose, outstanding research contributions done by faculty and researcher will be recognized. Therefore the institute prepare a scheme for providing incentives to researchers. The Incentives for the outstanding research done by the Researchers are defined in the Research and Consultancy Policy.

The below are the proofs of Faculty appraisals based on their API Score.

Category 1 (3% on basic)



Figure B.5.9.8. Sample Appraisal of 3% increment

Category 2 (2.5% on basic)



Figure B.5.9.9. Sample Appraisal of 2.5% increment

Category 3 (2% on basic)



Figure B.5.9.9. Sample Appraisal of 2% increment

Considering teaching, learning, research, gaining expertise and upgrading skills by attending FDPs/workshops/Training Programs, contributing to real life problems with industry collaboration and administration. The faculty scores fall into one of the categories listed in the table and accordingly the corresponding increment percentage orders are released and implemented.

To ensure consistency in assessment, evaluation involves verifying all supporting documents provided by the faculty. The faculty are evaluated for a score of 100. The increments for the yearly appraisal are assessed for an increment of 0% to 3% based on the scored in the appraisal form.

5.10 Visiting/Adjunct/Emeritus Faculty etc. (10)	Total Marks 10.00
---	--------------------------

5.10.1. Provision of visiting/adjunct faculty (1)

The department has a provision for visiting/adjunct faculty, including industry experts, supported by the college, contributing significantly to teaching, learning, and research activities. Policy for the same is available at <https://www.gnits.ac.in/visiting-adjunct-faculty-policy/>

5.10.2. Details of the visiting/adjunct faculty, including industry experts

The below table describes the summary of the total number of hours engaged by visiting/adjunct faculty, including industry experts during the assessment period.

Table B.5.10.1. Summary of no. of hours engaged by visiting/adjunct faculty, including industry experts

S.No.	Year	Hours/Year
1	2022-23 (CAYm1)	264
2	2021-22 (CAYm2)	204
3	2020-21 (CAYm3)	204

The below table describes the summary of total number of hours engaged by visiting/adjunct faculty, including industry experts during the assessment period is described in the table below

Table B.5.10.1. Summary of no. of hours engaged by visiting/adjunct faculty, including industry experts

S.No	Academic Year	Title of the Program	Mode (Online/Offline)	Technology	Name of the Adjunct faculty from industry	Designation	Company Name	No of hours per week	No of Weeks handled per Semester	Total Number of teaching hours per year
1	2022-2023	Training Program on Java, SQL (3rd Year ETE)	offline+online	Java, SQL	Ms.Ashritha	Software Trainer	Byte XL India Pvt Ltd	3	12	72
2	2022-2023	Value added course	offline	Blockchain Technology	Mr. P. V. Siva Prasad	Manager	Synchron Technologies	3	10	60
3	2022-2023	EPAM Upskill India Program (3rd Year ETE)	offline	Test Automation	Anil Kosaraju, Purushothama	Senior Software Tester, Senior Software Tester	EPAM Systems	10	6 months	60
4	2022-2023	Training Program on C & DS, Algorithms. Introduction to Web Technologies (2nd Year ETE)	offline+online	C & DS, Algorithms. Introduction to Web Technologies	Mr. Jalender	Software Trainer	COIGN Consultants Ltd.	3	12	72
5	2021-2022	C&DS , JAVA (3rd Year ETE)	online	C&DS, JAVA	Mr. Mohamed Abudullah, Mr. Shasank, Mrs. Deepthi	CEO, CEO, Co-Founder	Conduira Education & Training Service Pvt.Ltd.	3	12	72
6	2021-2022	C and Data Structures (2nd Year ETE)	offline+online	C & DS	Ms.Ashritha	Software Trainer	Byte XL India Pvt Ltd	3	12	72
7	2021-2022	Value Added Course	offline	Data Science and Design with TINKERCARD	M. Surendra Nath Reddy	Senior Program Manager	Qvantel Software Solutions	3	10	60
8	2020-2021	C&DS , JAVA(3rd year ETE)	Online	C&DS , JAVA	Mr. Mohamed Abudullah, Mr.Shasank, Mrs. Deepthi	CEO, CEO, Co-Founder	Conduira Education & Training Service Pvt.Ltd	3	12	72
9	2020-2021	Training program on Advanced Algorithms and and Data Structures (3rd year)	Online	Advanced algorithms, Data Structure	Mr. Aneeq Dholakia and Mr. Devang Sharma	Co-Founder, Edyst Meta	Edyst consulting Pvt Ltd	3	12	72

6 FACILITIES AND TECHNICAL SUPPORT (80)

Total Marks 80.00

6.1 Adequate and well equipped laboratories, and technical manpower (40)

Total Marks 40.00

Sr. No	Name of the Laboratory	Number of students per set up(Batch Size)	Name of the Important Equipment	Weekly utilization status(all the courses for which the lab is utilized)	Technical Manpower Support		
					Name of the Technical staff	Designation	Qualification
1	Communicator	3	CRO's, Experir	*6 hours (20%)	C.Saraswathi	Lab Assistant C	Diploma in ECf
2	Simulation Lab	1	Computers, Mè	*24 hours (70%)	C.Saraswathi,	Lab Assistant C	Diploma in ECf
3	Analog Circuits	3	CRO's, Functio	*27 hours (75%)	D.Jayavani, K.!	Lab Assistant C	B.Tech, B.Tech
4	Digital Circuits	1	Digital CRO's,	*18 hrs (50%) i	C.Saraswathi,†	Lab Assistant C	Diploma in ECf
5	Project Laboral	1	Computers, Mè	*6 hrs (20%) fo	D.Jayavani	Lab Assistant C	B.Tech

6.2 Laboratories maintenance and overall ambiance (10)

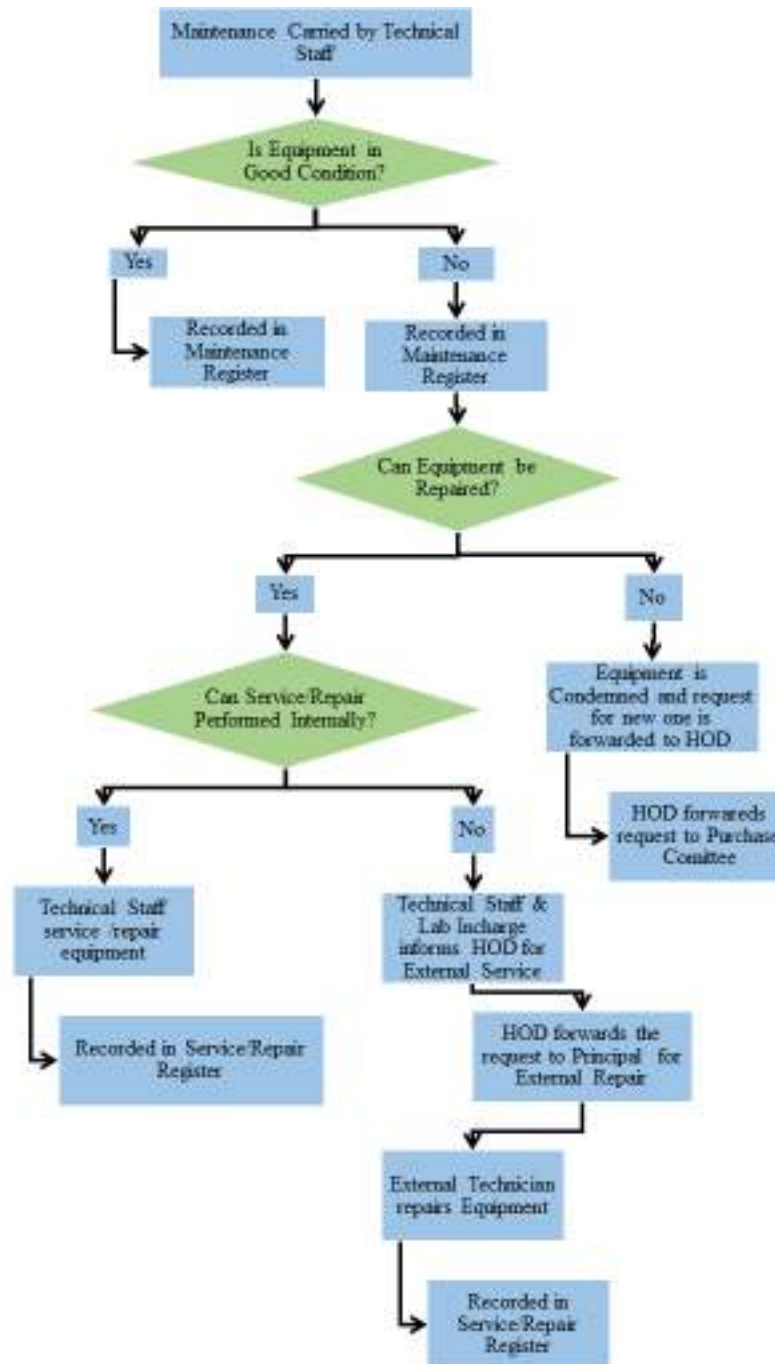
Total Marks 10.00

The Electronics and Telematics Engineering department has well equipped and maintained laboratories to conduct the experimental work smoothly in a safe environment.

Lab Maintenance

- The Lab Maintenance Committee looks after the maintenance of lab equipment and overall environment through regular inspections.
- The Lab Maintenance Committee includes the head of the department, physical lab incharge, and technical staff.
- Committee ensures that equipment is ready for experiments without any issues through periodical inspections.
- Laboratory maintenance is tracked through Maintenance Register, Service/Repair Register, Consumable Register and Stock Register.
 - **Maintenance Register:** This register contains maintenance records of each equipment in the lab.
 - **Service/Repair Register:** This register contains entries of service/repair carried out on equipment in the lab by internal technical staff/external technician(s).
 - **Consumable Register:** This register consists of newly purchased consumables along with old stock. The technical staff maintains the indents and purchases of the laboratory.
 - **Stock Register:** This register consists of newly purchased equipment with details like quantity, cost and other information.
- Maintenance inspections are carried out thrice a semester.
 - Before semester commencement
 - Mid of the semester
 - Before external lab examinations
- Technical staff of each lab inspect the equipment during these inspections, and record these entries in the Maintenance Register. Physical lab incharge of the lab reviews the Maintenance Register.
- If any requirements of external service/repair, new equipment, consumables are there, it is informed to the head of the department.
- The head of the department forwards these requests through proper channels (to the Purchase Committee for new equipment / to the head of the institution for external service/repair).
- Minor repairs are handled by internal technical staff, while major repairs are outsourced. The service/repair(s) carried out by internal technical staff/external technician(s) are recorded in the Service/Repair Register.
- Computer maintenance is conducted by the technical staff of the lab and recorded in the Computer Maintenance Register.
- Computer servicing is conducted by the Computer Hardware Department.
- Stock verification committee audits lab equipment, furniture, and infrastructure annually. This committee submits a deficiency (if any) report to the head of the institution for necessary actions.
- Log books are maintained for student entry in the lab.

Process for conducting maintenance and service/repair(s) of lab equipments:





G.Narayanamma Institute of Technology and Science (For Women)
Autonomous
Shaikpet, Hyderabad - 500104
Department of Electronics and Telematics Engineering
Academic Year: 2023 - 24

ANALOG CIRCUITS LABORATORY

MAINTENANCE REGISTER

S.No.	Date	Name of the Equipment	Equipment ID	Maintenance Description	Maintenance Performed by	Lab Incharge	Remarks
1.	6/9/2023	Cathode ray oscilloscope	G. ETM/CAO-1 to 12	checked all the front panel knobs & verified its working condition Bionic spray done	K.Subhashini KS	PM	working condition is good.
2.	8/11/2023	Cathode ray oscilloscope	G. ETM/CAO-1 to 12	checked all the front panel knobs & verified its working condition	K.Subhashini KS	PM	functioning effectively
3.	17/1/2024	Cathode ray oscilloscope	G. ETM/CAO-1 to 12	checked all the front panel knobs & verified its working condition	K.Subhashini KS	PM	working condition is good.

Panday
HOD, ETE

Figure B.6.2.a: Maintenance Register



G. Narayanamma Institute of Technology and Science (For Women)
Autonomous
 Shaikpet, Hyderabad - 500104
 Department of Electronics and Telematics Engineering
 Academic Year: 2023 - 24
ANALOG CIRCUITS LABORATORY

SERVICE / REPAIR REGISTER

S.No.	Date	Name of the Equipment	Equipment ID	Problem Identified	Date of Problem Identification	Person Attended (Internal / External)	Date of Service / Repair Completed	Service Performed by	Lab Incharge	Remarks
1.	23/11/23	Half wave rectifier & Full wave rectifier kit	G. SDC-Exp kit - 23	Capacitor Damaged	22/11/2023	K. Subhash - in Gohar ul	23/11/2023	K. Subhashin	PM	Capacitor replaced & working in good condition
2.	24/11/23	CE Amplifier kit	G. ECE Exp kit - 36 (66)	Internal connections broken & loose (dry soldering)	6/10/2023	K. Subhashin Gohar ul	6/10/2023	K. Subhashin	PM	soldered all loose connections & working
3.	24/11/23	Schmitt trigger kit	G. ETM I kit Exp kit - 87	100K Ω & 10K Ω resistors replaced in kit	8/11/2023	K. Subhashin Internal	8/11/2023	K. Subhashin	PM	replaced resistors & working in good condition
4.	5/12/23	1 PF & HPF kit	G. SDC Exp kit - 27	7815 IC damaged	5/12/2023	K. Subhashin Internal	5/12/2023	K. Subhashin	PM	replaced IC & working in good condition
5.	24/11/23	1) CRO 2) RPS	G. EMT/EL/6 G. SDC RPS - 6, 5, 11	1) Insulation dull 2) voltage out of range	14/12/2023	M. Rajaraja External	8/1/2024	M. Rajaraja	PM	Source done & working & condition is good

R. Ramesh
HOD, ELT

Figure B.6.2.b: Service/Repair Register

FORM 6 Inventory for Stock Register					FORM 7 (Consumable Stores)			
Inventory No.	Quantity	Receipt	Issue	Balance	Inventory No.	Description	Quantity	Balance
101001	100	101001	100	100	101001	101001	100	100
101002	100	101002	100	100	101002	101002	100	100
101003	100	101003	100	100	101003	101003	100	100
101004	100	101004	100	100	101004	101004	100	100
101005	100	101005	100	100	101005	101005	100	100
101006	100	101006	100	100	101006	101006	100	100
101007	100	101007	100	100	101007	101007	100	100
101008	100	101008	100	100	101008	101008	100	100
101009	100	101009	100	100	101009	101009	100	100
101010	100	101010	100	100	101010	101010	100	100
101011	100	101011	100	100	101011	101011	100	100
101012	100	101012	100	100	101012	101012	100	100
101013	100	101013	100	100	101013	101013	100	100
101014	100	101014	100	100	101014	101014	100	100
101015	100	101015	100	100	101015	101015	100	100
101016	100	101016	100	100	101016	101016	100	100
101017	100	101017	100	100	101017	101017	100	100
101018	100	101018	100	100	101018	101018	100	100
101019	100	101019	100	100	101019	101019	100	100
101020	100	101020	100	100	101020	101020	100	100

Figure B.6.2.c: Consumable Register

STOCK REGISTER						(NON CONSUMIBLE STORES)					
No.	Date	Description of the Stock	QTY	UNIT PRICE	AMOUNT	Name of the Manufacturer	QTY	UNIT PRICE	AMOUNT	Lot Number	Remarks
1	11/10/22	200 1000	200	15.00	3000.00	Highland Electronics				1000 1000 1000 1000	OK
2	11/10/22	200 1000	200	17.50	3500.00	Highland Electronics				1000 1000 1000 1000	OK
3	11/10/22	200 1000	200	17.50	3500.00	The Stocked Company				1000 1000 1000 1000	OK
4	11/10/22	200 1000	200	17.50	3500.00	Highland Electronics				1000 1000 1000 1000	OK
					24,000.00						
					24,000.00						

Figure B.6.2.d: Stock Register

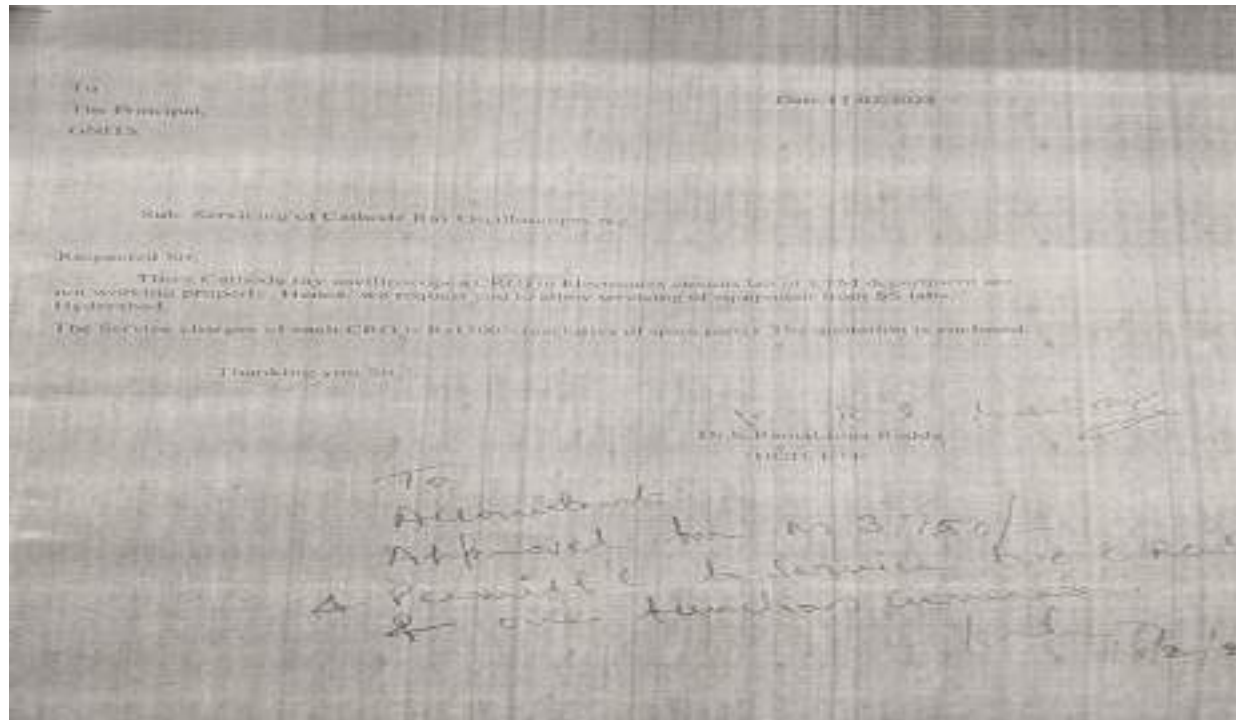


Figure B.6.2.e: Request to Principal through Head of the Department for service/repair of equipment with external technician

S.S .LAB EQUIPMENTS
 (A Single source for all kinds of lab equipments)
 Plot #.123, H. No: 4-68/2/1, East Gandhi Nagar,
 Rampally 'X' Road, Hyderabad-500093.
 Call: 9666873881/9649768136.
 E-mail: ss@SSLAB.com, ss@sslabshonam.
 Web site: www.ss@sslab.com

TAX INVOICE

GSTIN NO: 36ARCF87127B1Z PAN NO: ARCF87127B

Invoice No : 074 Invoice Date : 28.02.2022 P.O. No : Date : 27.02.2022 Bill to: The Principal, O. Narayanaswami Institute of Technology and Science, 98-1-297/2/1, Shaikhpur, Hyderabad, Pin:500104. Buyer's GSTIN/UNIQUE ID-NA	Transport : Private Vehicle No : Place of Supply : TELANGANA Station : SHAIKPET Shipped to: The Principal, O. Narayanaswami Institute of Technology and Science, 98-1-297/2/1, Shaikhpur, Hyderabad, Pin:500104.
--	---

S.NO	ITEM DESCRIPTION	HSN NO	GST RATE	QTY	RATE	AMOUNT
01	ICE LAB Thermal Time Oscilloscope Component Charges	9030	18%	03	1,500.00	4,500.00 450.00
						Terms & Conditions: 1. The amount of Invoice should be Paid Immediately, By DD/ Account under. 2. Any Disputes are subject to Jurisdiction of the court of Secunderabad and Hyderabad Only. 3. For Bills unpaid after due date 24% P.A. Interest will be charged. Amount: Five Thousand Eight Hundred and Forty One only Declaration: We Declare that this Invoice shows the Actual price of the goods described and that all particulars are true and correct. Note: Please transfer the 100% advance to the following account. BANK DETAILS: 1. Name of Beneficiary: SS LAB EQUIPMENTS 2. Name of Bank: ICICI BANK 3. Branch Name: KAPRA BRANCH, HYDERABAD 4. Account No. : 131403900245 5. NEFT/RTGS Code No. : ICBH0001318 6. Mob No. : 9666873881
						Total Add GST @ 18% Add GST @ 18% Grand Total

FOR S.S. LAB EQUIPMENTS

 (AUTHORIZED SIGNATURE)

Figure B.6.2.f: Invoice of the service/repair with external technician

STATE

CDOT / IAT / IAD	
Department / ACTS/ARSA	
Date: 12/31/2023	

Stock Verification Circular

The following staff members are requested for Annual Stock Verification of the Department as proposed by the original form of April 2023 as mentioned below:

S.No.	Department	Staff Members
1	ASST Department Working Office Verification Officers 1. V. Suresh Babu - IT & IT - N. Suresh - ECE 2. P. Suresh - ECE 3. M. Suresh - ECE 4. K. Suresh Babu - ECE 5. S. Suresh - ECE 6. M. Suresh - IT 7. C. Suresh - IT 8. Dr. A. Suresh - ECE	
2	ASST Department Working Office Verification Officers 1. M. Suresh - IT & IT - N. Suresh - ECE 2. M. Suresh - ECE 3. M. Suresh - ECE 4. M. Suresh - ECE 5. M. Suresh - ECE 6. M. Suresh - ECE 7. M. Suresh - ECE 8. M. Suresh - ECE 9. M. Suresh - ECE 10. M. Suresh - ECE 11. M. Suresh - ECE 12. M. Suresh - ECE 13. M. Suresh - ECE 14. M. Suresh - ECE	
3	ASST Department Working Office Verification Officers Dr. M. Suresh - IT & IT - N. Suresh - ECE 1. M. Suresh - ECE 2. M. Suresh - ECE 3. M. Suresh - ECE 4. M. Suresh - ECE 5. M. Suresh - ECE 6. M. Suresh - ECE 7. M. Suresh - ECE 8. M. Suresh - ECE 9. M. Suresh - ECE 10. M. Suresh - ECE 11. M. Suresh - ECE 12. M. Suresh - ECE 13. M. Suresh - ECE 14. M. Suresh - ECE	

IT Department Working Office Verification Officers 1. Dr. R. Suresh Babu - ECE 2. Dr. R. Suresh Babu - ECE 3. Dr. R. Suresh Babu - ECE 4. Dr. R. Suresh Babu - ECE 5. Dr. R. Suresh Babu - ECE 6. Dr. R. Suresh Babu - ECE 7. Dr. R. Suresh Babu - ECE 8. Dr. R. Suresh Babu - ECE 9. Dr. R. Suresh Babu - ECE 10. Dr. R. Suresh Babu - ECE	ASST Department Working Office Verification Officers 1. M. Suresh - ECE 2. M. Suresh - ECE 3. M. Suresh - ECE 4. M. Suresh - ECE 5. M. Suresh - ECE 6. M. Suresh - ECE 7. M. Suresh - ECE 8. M. Suresh - ECE 9. M. Suresh - ECE 10. M. Suresh - ECE 11. M. Suresh - ECE 12. M. Suresh - ECE 13. M. Suresh - ECE 14. M. Suresh - ECE
ASST Department Working Office Verification Officers 1. M. Suresh - ECE 2. M. Suresh - ECE 3. M. Suresh - ECE 4. M. Suresh - ECE 5. M. Suresh - ECE 6. M. Suresh - ECE 7. M. Suresh - ECE 8. M. Suresh - ECE 9. M. Suresh - ECE 10. M. Suresh - ECE 11. M. Suresh - ECE 12. M. Suresh - ECE 13. M. Suresh - ECE 14. M. Suresh - ECE	ASST Department Working Office Verification Officers 1. M. Suresh - ECE 2. M. Suresh - ECE 3. M. Suresh - ECE 4. M. Suresh - ECE 5. M. Suresh - ECE 6. M. Suresh - ECE 7. M. Suresh - ECE 8. M. Suresh - ECE 9. M. Suresh - ECE 10. M. Suresh - ECE 11. M. Suresh - ECE 12. M. Suresh - ECE 13. M. Suresh - ECE 14. M. Suresh - ECE
ASST Department Working Office Verification Officers 1. M. Suresh - ECE 2. M. Suresh - ECE 3. M. Suresh - ECE 4. M. Suresh - ECE 5. M. Suresh - ECE 6. M. Suresh - ECE 7. M. Suresh - ECE 8. M. Suresh - ECE 9. M. Suresh - ECE 10. M. Suresh - ECE 11. M. Suresh - ECE 12. M. Suresh - ECE 13. M. Suresh - ECE 14. M. Suresh - ECE	ASST Department Working Office Verification Officers 1. M. Suresh - ECE 2. M. Suresh - ECE 3. M. Suresh - ECE 4. M. Suresh - ECE 5. M. Suresh - ECE 6. M. Suresh - ECE 7. M. Suresh - ECE 8. M. Suresh - ECE 9. M. Suresh - ECE 10. M. Suresh - ECE 11. M. Suresh - ECE 12. M. Suresh - ECE 13. M. Suresh - ECE 14. M. Suresh - ECE

Figure B.6.2.g: Stock verification circular

STOCK REGISTER						NON CONSUMABLE STORES					
No.	Date of Purchase	Quantity	Description of the Article	Unit	Value	No.	Date of Purchase	Quantity	Description of the Article	Unit	Value
1	2/1/20	1	Computer (18 inch)			1	2/1/20	1	Computer (18 inch)		
2	2/1/20	1	Printer (A4)			2	2/1/20	1	Printer (A4)		
3	2/1/20	1	Scanner (A4)			3	2/1/20	1	Scanner (A4)		
4	2/1/20	1	Projector (A4)			4	2/1/20	1	Projector (A4)		
5	2/1/20	1	Monitor (A4)			5	2/1/20	1	Monitor (A4)		
6	2/1/20	1	Keyboard (A4)			6	2/1/20	1	Keyboard (A4)		
7	2/1/20	1	Mouse (A4)			7	2/1/20	1	Mouse (A4)		

Figure B.6.2.h: Stock register signed by stock verification committee member after verification

G. NARAYANAMMA INSTITUTE OF TECHNOLOGY & SCIENCE

(AUTONOMOUS) (For Women)

Department: ETE Name of the Lab: W.C Date: 18-7-23
 Class & year: IV B.Tech I Sem Time: 1:10 - 4:10 Day: Tuesday

S.No.	Roll Number	Name of the Student	Experiment No. / System No.	Signature
1	20251A1701	A. Sathvika	Call blocking probability	A.S
2	20251A1702	A. Bala Vijaya Nirrnala	Call blocking Probability	Nirrnala
3	20251A1704	Ananya	Call blocking Probability	Ananya
4	20251A1700	H. Pujitha	"	Pujitha
5	20251A1712	M. Akhila	Call blocking probability	Akhila
6	1717	Abs		
7	20251A1718	P. Prithvi	Call blocking probability	P.Prithvi
8	1719	Abs		
9	20251A1721	S.K. Sofia	Call blocking probability	S.K.
10	1722	Abs		
11	1723	Abs		
12	20251A1724	P. Saomya	Call blocking probability	P.Saomya
13	20251A1728	Y. Neha	Call blocking probability	Neha
14	20251A1729	Manasa	Call blocking probability	Manasa
15	1731	Abs		
16	20251A1735	A. Arshiya	"	Arshiya
17	20251A1735	B. Sushma	Call blocking probability	Sushma
18	1736	Abs		
19	20251A1737	D. Ishitha	Call blocking probability	Ishitha
20	1738	Abs		
21	1739	Abs		
22	20251A1740	GoPranathi	Call blocking probability	GoPranathi
23	20251A1743	J. Ashwanya	Call blocking probability	Ashwanya
24	20251A1744	Rashmika Chandrab	Call blocking probability	Rashmika
25	1745	Abs		
26	20251A1749	OJASWINI CH	Call blocking probability	Ojaswini
27	20251A1753	S. Vathsalya	Call blocking probability	Vathsalya

29	H256			
30	LE 1702			
31	1705			
32	212CSA1707	K Suchithra	call blocking probability	Suchithra
33				
34				
35				
36				
37				
38				
39				
40				

No. of Students Present: 19
 No. of Students Absent: 12
 Absentees Roll Numbers: 1717, 19, 22, 23, 31, 36, 38, 39, 45, 56, LE-02, 05
 Lab Incharge: HOD
 Principal

Figure B.6.2.i. Student Log Register

Ambience:

- The overall ambience of the laboratories is good, with proper lighting and ventilation ensuring that every student feels comfortable while working.
- Charts containing details about the equipment and experiments are exhibited in the laboratories.
- Every laboratory is furnished with a whiteboard, computer, and Internet connectivity.
- Some of the labs are equipped with ICT amenities such as projectors and smart boards to enhance the teaching process.
- The furniture and seating arrangements are well-maintained.
- All computing labs are furnished with UPS systems that offer spike protection.
- Each laboratory has a notice board where the lab occupancy and a list of experiments are displayed.
- To maintain cleanliness in laboratories, all outdated records are relocated to storage.
- Obsolete CPUs, monitors, and other equipment such as CROs, power supply units, and measuring instruments are transferred to storage to conserve lab space and prevent unnecessary clutter.
- Each lab is equipped with a dust bin, and the housekeeping team conducts regular cleaning of the laboratories.



Figure B.6.2.j: Analog Circuits Laboratory



Figure B.6.2.k: Digital Circuits Laboratory



Figure B.6.2.l: Communication Laboratory



Figure B.6.2.m: Simulation Laboratory



Figure B.6.2.n: Project Laboratory

6.3 Safety measures in laboratories (10)

Total Marks 10.00

Sr. No	Laboratory Name	Safety Measures
1	Communications Laboratory	1. Avoid touching the mains power supply wire with bare hands. 2. The circuit connections are tested by the faculty / instructor before switching on the power supply. 3. All the electric cables are isolated using PVC pipes. 4. Sensitive electrical circuits and electronic parts are handled with caution. 5. Proper grounding of electrical supply is ensured. 6. Laboratory equipped with MC breakers. 7. Safety guidelines are displayed in the laboratory. 8. First aid kit and fire extinguisher is available in the laboratory. 9. Overcrowding near the lab table is not allowed. 10. Experiments are conducted in a way that prevents damage or loss of equipment and ensures the safety of all individuals involved, avoiding any injuries. 11. In case of emergency, the transport facility will be provided by the institution to reach the hospital. 12. Power off hardware tables before leaving the lab. 13. UPS and its batteries are kept in a corner of the laboratory to avoid direct exposure.
2	Simulation Laboratory	1. Avoid touching the mains power supply wire with bare hands. 2. The circuit connections are tested by the faculty / instructor before switching on the power supply. 3. All the electric cables are isolated using PVC pipes. 4. Sensitive electrical circuits and electronic parts are handled with caution. 5. Proper grounding of electrical supply is ensured. 6. Laboratory equipped with MC breakers. 7. Safety guidelines are displayed in the laboratory. 8. First aid kit and fire extinguisher is available in the laboratory. 9. Overcrowding near the lab table is not allowed. 10. Experiments are conducted in a way that prevents damage or loss of equipment and ensures the safety of all individuals involved, avoiding any injuries. 11. In case of emergency, the transport facility will be provided by the institution to reach the hospital. 12. Power off hardware tables before leaving the lab. 13. UPS and its batteries are kept in a corner of the laboratory to avoid direct exposure.
3	Analog Circuits Laboratory	1. Avoid touching the mains power supply wire with bare hands. 2. The circuit connections are tested by the faculty / instructor before switching on the power supply. 3. All the electric cables are isolated using PVC pipes. 4. Sensitive electrical circuits and electronic parts are handled with caution. 5. Proper grounding of electrical supply is ensured. 6. Laboratory equipped with MC breakers. 7. Safety guidelines are displayed in the laboratory. 8. First aid kit and fire extinguisher is available in the laboratory. 9. Overcrowding near the lab table is not allowed. 10. Experiments are conducted in a way that prevents damage or loss of equipment and ensures the safety of all individuals involved, avoiding any injuries. 11. In case of emergency, the transport facility will be provided by the institution to reach the hospital. 12. Power off hardware tables before leaving the lab.
4	Digital Circuits Laboratory	1. Avoid touching the mains power supply wire with bare hands. 2. The circuit connections are tested by the faculty / instructor before switching on the power supply. 3. All the electric cables are isolated using PVC pipes. 4. Sensitive electrical circuits and electronic parts are handled with caution. 5. Proper grounding of electrical supply is ensured. 6. Laboratory equipped with MC breakers. 7. Safety guidelines are displayed in the laboratory. 8. First aid kit and fire extinguisher is available in the laboratory. 9. Overcrowding near the lab table is not allowed. 10. Experiments are conducted in a way that prevents damage or loss of equipment and ensures the safety of all individuals involved, avoiding any injuries. 11. In case of emergency, the transport facility will be provided by the institution to reach the hospital. 12. Power off hardware tables before leaving the lab. 13. UPS and its batteries are kept in a corner of the laboratory to avoid direct exposure.
5	Project Laboratory	1. Avoid touching the mains power supply wire with bare hands. 2. The circuit connections are tested by the faculty / instructor before switching on the power supply. 3. All the electric cables are isolated using PVC pipes. 4. Sensitive electrical circuits and electronic parts are handled with caution. 5. Proper grounding of electrical supply is ensured. 6. Laboratory equipped with MC breakers. 7. Safety guidelines are displayed in the laboratory. 8. First aid kit and fire extinguisher is available in the laboratory. 9. Overcrowding near the lab table is not allowed. 10. Experiments are conducted in a way that prevents damage or loss of equipment and ensures the safety of all individuals involved, avoiding any injuries. 11. In case of emergency, the transport facility will be provided by the institution to reach the hospital. 12. Power off hardware tables before leaving the lab. 13. UPS and its batteries are kept in a corner of the laboratory to avoid direct exposure.
6.4 Project laboratory (20)		Total Marks 20.00

Facilities & Utilization

- In the Electronics and Telematics Engineering department, there is a dedicated lab specifically designated for student project work.
- The Project laboratory provides students with practical experience and the opportunity to transform their ideas into prototypes or products.
 - Many students have successfully completed projects in this laboratory.
 - Students utilize the lab resources to test their ideas before participating in Hackathons, which boosts their confidence to compete and potentially win awards in these events.
- In this laboratory, mini projects for second and third-year students, as well as major projects for final year students, are carried out.
- The Project laboratory has an internet connection speed of 1 Gbps and a Wi-Fi speed of 500 Mbps.
- This laboratory has an online UPS equipped with battery backup to sustain during power outages.
- Typically, the lab is used for over 30 hours per week. Additionally, the project laboratory is accessible during free periods and weekends.

The hardware and software available in the project laboratory are listed below:

Table B.6.4.a: Hardware facilities available in project laboratory

S.No.	Major Equipment Name	No. of Units (in no)
1	4 Channel Digital CRO	3
2	Regulated Power supply	5
3	Function Generator	3
4	TMS 320 VC 6713 based floating point DSP trainer kits with CCS	5
5	Mobile Communication Trainer Kit Dual Band 900/1800 MHz, GSM/GPRS Modem	1
6	Spectrum Scope	1
7	Advanced satellite Communication Trainer Kit Transmitter, Satellite Downlink receiver, Satellite Emulator, Spectrum analyzer, Antennas	1
8	Doppler Radar Training system 10 GHz Target/Velocity Simulator	1
9	Embedded Sensor kit platform The central embedded sensor board with sensor modules	1
10	Antenna Training system 5MHz to 4 GHz capacity, PLL Synthesized digital RF Transmitter/Receiver, software, Stepper Motor Control Unit, different types of antenna	1
11	Software Design Radio GNU Radio Software, Transceiver	1
12	Arduino boards, Sensors	10 Each

Table B.6.4.b: Software facilities available in project laboratory

S.No.	No. of Desktop Computers	Software Loaded
1	1) Lenovo ThinkCentre Core i5-12400/16 GB RAM, 512GB SSD (1 No.) 2) HP: Intel (R) Core(TM) i5-8500 CPU @3GHz, 8GB RAM, 1000GB HDD (14 No.s) 3) Dell Optiplex 390: Intel (R) Core(TM) i3-2120 CPU @3.30GHz, 4GB RAM, 500GB HDD (3 No.s) 4) Dell Optiplex 380: Intel (R) Core (TM) 2 DUO CPU E7500 @ 2.93 GHz, 2GB RAM, 250GB HDD (7 No.s)	1. MATLAB 2023 (Campus Wide) 2. Arduino IDE 3. MultiSim 4. Netsim Software 12 Version 5. NS-2 6. KEIL, TASM 7. LABVIEW 8. CC Studio 9. Some Virtual simulator software versions (eg. Tinker Cad, Proteus,etc.)

All B.Tech students carry out their mini and major projects utilizing the resources of project laboratory every year. On an average, the lab will be utilized for more than 30 hours per week. The project laboratory is also available for use during the free time and weekends. Mr.V.Vikas and Mr.A.Chandra Shaker are the staff in-charges of the project lab and they will be guiding the students in carrying out their project work along with the other faculty. One non-teaching staff Mrs.D.Jayavani will be providing the required technical help for the students.

Details of the projects carried out by students in project laboratory during last 3 academic years:

Table B.6.4.c: Details of Student Projects during AY 2022-2023

Major Projects:

S.No	Roll No.	Title of Project	Guide	Domain	Classification	POs	PSOs
1	19251A1716	Computing Body Mass Index From A Facial Image Using Deep Learning	Dr.A.Naveena	Signal and Image Processing	Application	PO1,PO2,PO3,PO4,PO5,PO6,PO7, PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	19251A1701						
	19251A1706						
	19251A1707						
2	19251A1758	Audio and Video Steganography Technique for Communication Security	Mrs.M.Jyothsna	Computer Networking and Security	Application	PO1,PO2,PO3,PO4,PO5,PO6,PO7, PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	19251A1740						
	19251A1748						
	19251A1736						
3	19251A1708	Deep Learning - Aided 5G Channel Estimation	Dr.M.Vijaya Lakshmi	Communication Technologies	Research	PO1,PO2,PO3,PO4,PO5,PO6,PO7, PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	19251A1709						
	19251A1712						
	19251A1713						

4	20255A1702	Spy Robot in Military	Dr.Raj Kumar L Biradar	Embedded Systems and IoT	Product	PO1,PO2,PO3,PO4,PO5,PO6,PO7, PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	20255A1705						
	19251A1734						
	19251A1733						
5	19251A1753	Deep Learning based Real- Time Industrial Framework for fruit freshness detection using Computer Vision methods	Mr.N.Rama Krishna	Signal and Image Processing	product	PO1,PO2,PO3,PO4,PO5,PO6,PO7, PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	19251A1746						
	19251A1718						
6	19251A1749	Automated Irrigation System Using ML and IOT	Mr.A.Chandra Shaker	Embedded Systems and IoT	Product	PO1,PO2,PO3,PO4,PO5,PO6,PO7, PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	19251A1750						
	19251A1751						
	19251A1755						
7	19251A1704	Papr Reduction of OFDM signals using PTS and Gaussian Firefly algorithm	Mr.G.Krishna Reddy	Communication Technologies	Research	PO1,PO2,PO3,PO4,PO5,PO6,PO7, PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	19251A1705						
	19251A1741						
	19251A1744						
8	19251A1723	An Efficient Spam Detection Technique for Devices using Machine Learning	Mrs.V.Anitha	Computer Networking and Security	Application	PO1,PO2,PO3,PO4,PO5,PO6,PO7, PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	19251A1720						
	19251A1722						
9	19251A1702	Performance Analysis of SM- MIMO System Employing Binary PSK and M'ary PSK Techniques Over Different Fading Channels	Dr.P.Sreesudha	Communication Technologies	review	PO1,PO2,PO3,PO4,PO5,PO6,PO7, PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	19251A1756						
	19251A1737						
	20251A1706						
10	19251A1728	OFDM-OQAM Modulation for Future Wireless Communication	Dr.M.Vijaya Lakshmi	Communication Technologies	review	PO1,PO2,PO3,PO4,PO5,PO6,PO7, PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	19251A1729						
	19251A1739						
11	19251A1747	Human Motion Recognition using IMUs	Mr.A.Chandra Shaker	Embedded Systems and IoT	Application	PO1,PO2,PO3,PO4,PO5,PO6,PO7, PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	19251A1725						
	19251A1743						
	19251A1730						
12	19251A1752	IoT based Smart Home automation and Security	Dr.T.Sunitha	Embedded Systems and IoT	Product	PO1,PO2,PO3,PO4,PO5,PO6,PO7, PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	19251A1714						
	19251A1760						
	20255A1703						

13	19251A1738	A Prototype of Remote Smart Waste Segregation and Garbage Level Monitoring System	Ms.K.Pranathi	Embedded Systems and IoT	Product	PO1,PO2,PO3,PO4,PO5,PO6,PO7, PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	19251A1754						
	19251A1731						
	20255A1704						
14	20255A1701	Performance Analysis of Selective Mapping and clipping based MC-CDMA System	Dr.P.Sreesudha	Communication Technologies	Research	PO1,PO2,PO3,PO4,PO5,PO6,PO7, PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	19251A1745						
	19251A1717						
	19251A1711						
15	19251A1726	Security Audit for Webpage	Mr.V.Vikas	Computer Networking and Security	Application	PO1,PO2,PO3,PO4,PO5,PO6,PO7, PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	19251A1724						
	19251A1757						
	19251A1703						
16	19251A1732	Holoentropy measures for image stitching of scenes acquired under camera or arbitrary positions	Mrs.A.Sneha Keerthi	Signal and Image Processing	Application	PO1,PO2,PO3,PO4,PO5,PO6,PO7, PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	19251A1759						
	18251A1750						
17	19251A1710	Vehicle accident prevention and reporting system using IoT and GPS	Mr.G.Krishna Reddy	Embedded Systems and IoT	Product	PO1,PO2,PO3,PO4,PO5,PO6,PO7, PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	19251A1735						
	19251A1727						
	19251A1715						
18	19251A1719	Spoofed Caller ID Detection (SCID)	Mr.V.Vikas	Computer Networking and Security	Application	PO1,PO2,PO3,PO4,PO5,PO6,PO7, PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	19251A1742						
19	19251A1721	Detection of Stuttering behaviour using Machine Learning Algorithms	Dr.K.Rama Linga Reddy	Signal and Image Processing	Application	PO1,PO2,PO3,PO4,PO5,PO6,PO7, PO8,PO9,PO10,PO11,PO12	PSO1,PSO2

Mini Projects:

Batch No	Batch Members	Title of the Project	Guide	Domain	POs/PSOs
1	20251A1701	IoT Based Smart Cradle System	Dr. K. Rama Linga Reddy	Internet of Things	PO1-PO12,PSO1,PSO2
	20251A1709				
	20251A1712				
	20251A1724				

2	20251A1717	Uav Spy Drone	Dr. Rajkumar L Biradar	Embedded Systems	PO1-PO12,PSO1,PSO2
	20251A1719				
	20251A1745				
	20251A1738				
3	20251A1704	IoT Based Smart Energy Meter	Mr. G. Krishna Reddy	Internet of Things	PO1-PO12,PSO1,PSO2
	20251A1718				
	20251A1722				
	20251A1744				
4	20251A1723	Wireless Caller ID Display for Bikers	Mr. N. Rama Krishna	Embedded Systems	PO1-PO12,PSO1,PSO2
	20251A1729				
	20251A1735				
	20251A1743				
5	20251A1733	Farm Bot	Dr. A. Naveena	Robotics	PO1-PO12,PSO1,PSO2
	20251A1737				
	20251A1739				
	20251A1753				
6	20251A1702	Wireless Electric Vehicle Charging System	Dr. M. Vijaya Lakshmi	Embedded Systems	PO1-PO12,PSO1,PSO2
	21255A1702				
	21255A1707				
7	20251A1731	Automated Alcohol Sensing Engine Locker	Dr. T. Sunitha	Embedded Systems	PO1-PO12,PSO1,PSO2
	20251A1736				
	20251A1749				
	21255A1705				
8	20251A1721	Li-Fi Data Transfer System	Dr. P. Sreesudha	Embedded Systems	PO1-PO12,PSO1,PSO2
	20251A1728				
	20251A1740				
	20251A1756				
9	20251A1713	SWIFT: Safety Wear for Immediate Fall Trauma	Mr. V. Vikas	Embedded Systems	PO1-PO12,PSO1,PSO2
	20251A1715				
	20251A1742				
	20251A1746				

10	20251A1706	Smart Flow: A Real-Time Water Management Solution	Mr. A. Chandra Shaker	Embedded Systems	PO1-PO12,PSO1,PSO2
	20251A1711				
	20251A1720				
	20251A1750				
11	20251A1747	Food Spoilage Detection System	Mrs. V. Anitha	Embedded Systems	PO1-PO12,PSO1,PSO2
	20251A1748				
	20251A1752				
	20251A1757				
12	20251A1716	Detection of active mobile phones and hidden cameras	Mrs. M. Jyothsna	Embedded Systems	PO1-PO12,PSO1,PSO2
	20251A1725				
	20251A1726				
	20251A1727				
13	20251A1751	Advanced School Bus Safety System	Mrs. A. Sneha Keerthi	Embedded Systems	PO1-PO12,PSO1,PSO2
	20251A1754				
	20251A1755				
	21255A1706				
14	20251A1714	Real-Time Monitoring for Efficient Drainage System	Ms. K. Pranathi	Embedded Systems	PO1-PO12,PSO1,PSO2
	20251A1730				
	21255A1703				
	21255A1704				
15	20251A1703	Eye Blink-Controlled Wheel Chair: Enhancing Mobility and Independence for Individuals with Disabilities	Mr. V. Vikas	Embedded Systems	PO1-PO12,PSO1,PSO2
	20251A1705				
	20251A1707				
	20251A1708				

Table B.6.4.d: Details of Student Projects during AY 2021-2022

Major Projects:

S.No	Roll No.	Title of Project	Guide	Domain	Classification	POs	PSOs
1	18251A1713	IOT Based Automated Hydroponic System	Mr.A.Chandra Shaker	Embedded Systems and IoT	product	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	18251A1740						
	18251A1751						
	18251A1753						

2	18251A1712	Image Segmentation By U-NET Model	Mr.N.Rama Krishna	Signal and Image Processing	Application	PO1,PO2,PO3,PO4,PO5,PO6, PO7,PO8,PO9,PO10,PO11,PO13	PSO1,PSO2
	18251A1724						
	18251A1738						
	18251A1743						
3	18251A1703	Missing Child Identification Using Deep Learning	Dr.K.Rama Linga Reddy	Signal and Image Processing	Application	PO1,PO2,PO3,PO4,PO5,PO6, PO7,PO8,PO9,PO10,PO11,PO14	PSO1,PSO2
	18251A1708						
	18251A1709						
	18251A1729						
4	17251A1714	Underwater Image Enhancement Using Adaptive Retinal Mechanisms	Mrs.T.Sunitha	Signal and Image Processing	Application	PO1,PO2,PO3,PO4,PO5,PO6, PO7,PO8,PO9,PO10,PO11,PO15	PSO1,PSO2
	19255A1704						
	17251A1739						
	19255A1703						
5	18251A1734	Analysis and Implementation of Channel Estimation In OFDM System Pilot Symbols	Mrs.K.Sarada	Communication Technologies	Research	PO1,PO2,PO3,PO4,PO5,PO6, PO7,PO8,PO9,PO10,PO11,PO16	PSO1,PSO2
	18251A1756						
	18251A1752						
	18251A1757						
6	18251A1721	Healthcare Chatbot System Using Artificial intelligence	Mr.V.Vikas	Signal and Image Processing	product	PO1,PO2,PO3,PO4,PO5,PO6, PO7,PO8,PO9,PO10,PO11,PO17	PSO1,PSO2
	18251A1722						
	18251A1706						
	18251A1755						
7	18251A1760	Heart Disease Prediction Using Data Mining	Mr.V.Vikas	Signal and Image Processing	Application	PO1,PO2,PO3,PO4,PO5,PO6, PO7,PO8,PO9,PO10,PO11,PO18	PSO1,PSO2
	19255A1701						
	18251A1717						
	18251A1718						
8	18251A1701	Image Classification Using Deep Convolutional Neural Networks	Mr.N.Rama Krishna	Signal and Image Processing	Application	PO1,PO2,PO3,PO4,PO5,PO6, PO7,PO8,PO9,PO10,PO11,PO19	PSO1,PSO2
	18251A1705						
	18251A1707						
	18251A1759						
9	18251A1716	Brain Tumor Detection Based on Segmentation	Ms.G.Swetha	Signal and Image Processing	Application	PO1,PO2,PO3,PO4,PO5,PO6, PO7,PO8,PO9,PO10,PO11,PO20	PSO1,PSO2
	18251A1727						
	18251A1728						
	18251A1744						

10	18251A1748	Smart Object Detection Using Tensor flow.JS	Mr.A.Chandra Shaker	Signal and Image Processing	Application	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO21	PSO1,PSO2
	18251A1754						
	19255A1702						
	18251A1730						
11	18251A1714	Synthetic Aperture RADAR imaging	Mrs.V.Anitha	Communication Technologies	Application	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO22	PSO1,PSO12
	18251A1715						
	18251A1723						
	18251A1732						
12	18251A1704	IOT based Accident and Rescue System	Mrs.M.Jyothsna	Embedded Systems and IoT	product	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO23	PSO1,PSO2
	18251A1733						
	19255A1705						
	19255A1706						
13	18251A1719	Performance Comparision of Channel Coding Techniques for OFDM system	Dr.M.Vijayalakshmi	Communication Technologies	Research	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO24	PSO1,PSO 2
	18251A1731						
	18251A1737						
	18251A1747						
14	18251A1710	Implementation of RAKE Receiver using MRC Technique for CDMA system	Mrs.P.Sreesudha	Communication Technologies	Review	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO25	PSO1,PSO2
	18251A1720						
	18251A1742						
	18251A1746						
15	18251A1725	PAPR reduction in OFDM system using Partial Transmit Sequence and precoding Techniques	Mr.G.Krishna Reddy	Communication Technologies	Review	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO25	PSO1,PSO2
	18251A1726						
	18251A1741						
	18251A1749						
16	18251A1711	Identification of fake Tweets using NLP and BERT Model	Dr.A.Naveena	Computer Networking and Security	product	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO25	PSO1,PSO2
	18251A1735						
	18251A1739						
17	18251A1702	Improving The Quality of contrast CT images using TBCSSR	Dr.Rajkumar L Biradar	Signal and Image Processing	Application	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO25	PSO1,PSO2
	18251A1745						
	18251A1758						

Mini Projects:

S.No	Roll No.	Title of Project	Guide	Domain	POs/PSOs
------	----------	------------------	-------	--------	----------

1	19251A1716	JACKET FOR VISUALLY IMPAIRED	Dr. K. Rama Linga Reddy	Embedded Systems	PO1-PO12,PSO1,PSO2
	19251A1701				
	19251A1706				
	19251A1707				
2	19251A1758	GREENHOUSE MONITORING AND CONTROLLING FOR CULTIVATION OF PLANT	Dr. Rajkumar L Biradar	Embedded Systems	PO1-PO12,PSO1,PSO2
	19251A1740				
	19251A1748				
	19251A1736				
3	19251A1708	OBSTACLE AVOIDING VOICE AND BLUETOOTH CONTROLLED ROBOT	Mr. G.Krishna Reddy	Robotics	PO1-PO12,PSO1,PSO2
	19251A1709				
	19251A1712				
	19251A1713				
4	20255A1702	SMART BAG FOR WOMEN SAFETY	Mr. N. Rama Krishna	Embedded Systems	PO1-PO12,PSO1,PSO2
	20255A1705				
	19251A1734				
	19251A1733				
5	19251A1721	PATIENT HEALTHCARE MONITORING SYSTEM	Dr.A.Naveena	Embedded Systems	PO1-PO12,PSO1,PSO2
	19251A1746				
	19251A1718				
6	19251A1749	SMART CART WITH AUTOMATIC BILLING AND ANTI-THEFT	Dr. M. Vjaya Lakshmi	Embedded Systems	PO1-PO12,PSO1,PSO2
	19251A1750				
	19251A1751				
	19251A1755				
7	19251A1704	FINGERPRINT BASED SMARTT VEHICLE	Mrs. T. Sunitha	Embedded Systems	PO1-PO12,PSO1,PSO2
	19251A1705				
	19251A1741				
	19251A1744				
8	19251A1723	ARDUINO BASED CAR SPEED DETECTOR CIRCUIT	Mrs. P. Sreesudha	Embedded Systems	PO1-PO12,PSO1,PSO2
	19251A1722				
9	19251A1702	ELECTRONIC PROTECTION FOR EXAM PAPER LEAKAGE	Mrs. A.Sneha Keerthi	Embedded Systems	PO1-PO12,PSO1,PSO2
	19251A1756				
	19251A1737				
	20255A1706				

10	19251A1728	VEGETABLE SORTING MACHINE	Mr. A. Chandra Shaker	Embedded Systems	PO1-PO12,PSO1,PSO2
	19251A1729				
	19251A1739				
	19251A1742				
11	19251A1747	REMOTE UNDERWATER ROBOT	Mrs. V. Anitha	Robotics	PO1-PO12,PSO1,PSO2
	19251A1725				
	19251A1743				
	19251A1730				
12	19251A1752	TRAFFIC LIGHT DETECTION SYSTEM FOR LOW VISION OR VISUALLY IMPAIRED PERSON THROUGH VOICE	Mrs. M.Jyothsna	Embedded Systems	PO1-PO12,PSO1,PSO2
	19251A1714				
	19251A1760				
	20255A1703				
12	19251A1738	HOME SURVEILLANCE USING ROBOTIC EYE	Dr.A.Naveena	Robotics	PO1-PO12,PSO1,PSO2
	19251A1754				
	19251A1731				
	20255A1704				
13	20255A1701	FOOT STEP POWER GENERATION	Mr. V.Vikas	Embedded Systems	PO1-PO12,PSO1,PSO2
	19251A1745				
	19251A1717				
	19251A1711				
14	19251A1726	IOT BASED SMART DOORBELL	Mr. V.Vikas	Internet of Things	PO1-PO12,PSO1,PSO2
	19251A1757				
	19251A1703				
15	19251A1732	VOICE CONTROLLED WHEELCHAIR USING ARDUINO AND BLUETOOTH	Ms.K.Pranathi	Embedded Systems	PO1-PO12,PSO1,PSO2
	19251A1759				
	18251A1750				
16	19251A1710	SMART HEALTH MONITORING WEARABLE GLOVE	Mr. A. Chandra Shaker	Embedded Systems	PO1-PO12,PSO1,PSO2
	19251A1735				
	19251A1727				
	19251A1715				

Table B.6.4.e: Details of Student Projects during AY 2020-2021

Major Projects:

S.No	Roll No.	Title of Project	Guide	Domain	Classification	POs	PSOs
------	----------	------------------	-------	--------	----------------	-----	------

1	17251A1718	Detection and removal of shadow in color images and videos	Dr.RajKumar L Biradar	Signal and Image Processing	Application	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	17251A1720						
	17251A1738						
	17251A1728						
2	17251A1706	Real Time Weather Monitoring System	Dr.A.Naveena	Embedded Systems and IoT	Product	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	17251A1751						
	17251A1752						
	18255A1701						
3	17251A1710	Optimal driving system using smart Helmet	G.Krishna Reddy	Embedded Systems and IoT	Product	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	17251A1742						
	17251A1756						
	17251A1757						
4	17251A1753	Face Mask Detection System using CNN	Dr.M.VijayaLakshmi	Signal and Image Processing	Application	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	17251A1734						
	17251A1705						
	17251A1730						
5	17251A1719	All Terrain Robot for Disaster Management	A.Chandra Shaker	Embedded Systems and IoT	Product	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	17251A1737						
	17251A1741						
	17251A1732						
6	17251A1740	IoT based smart energy meter monitoring with theft detection	K.Sarada	Embedded Systems and IoT	Product	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	17251A1745						
	17251A1702						
	17251A1707						
7	17251A1744	Hand gesture recognition using Image processing	V.Anitha	Signal and Image Processing	Application	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	17251A1716						
	17251A1729						
	17251A1731						
8	17251A1733	Performance analysis of efficient and low complexity MIMO OFDM system using STBC and V-BLAST	Dr.K.RamaLinga Reddy	Communication Technologies	Review	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO19	PSO1,PSO2
	17251A1703						
	17251A1722						
	17251A1708						

9	17251A1715	ML based detection of bidding down attack in 5G	V. Vikas	Computer Networking and Security	Application	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	17251A1727						
	17251A1754						
	17251A1760						
10	17251A1743	Performance analysis of MIMO OFDM system using equalizer	M. Jyothsna	Communication Technologies	Research	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	17251A1725						
	17251A1748						
	18255A1704						
11	17251A1701	Victim-Definite Wearable Fall and Health Communication Device	N. Rama Krishna	Embedded Systems and IoT	Product	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	17251A1746						
	17251A1755						
	17251A1758						
12	17251A1711	Performance analysis of multiple access schemes in 4G LTE Networks	P. Sreesudha	Communication Technologies	review	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	17251A1712						
	17251A1704						
	18255A1703						
13	17251A1749	A Prototype for Flood Warning and Management System using Mobile Networks	G.Swetha	Communication Technologies	Application	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	17251A1747						
	17251A1723						
14	17251A1736	Child rescue system from open borewells	T. Sunitha	Embedded Systems and IoT	Product	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
	17251A1759						
	17251A1735						
	17251A1721						

Mini Projects:

S.No	Roll No.	Title of Project	Guide	Domain	POs/PSOs
1	18251A1704	Wireless notice board using Bluetooth	Dr. Rajkumar L Biradar	Wireless Systems	PO1-PO12,PSO1,PSO2
	18251A1710				
	18251A1741				
	18251A1742				

2	18251A170 6	Automatic Hand Sanitizer Using Arduino	Mr. N. Rama Krishna	Embedded Systems	PO1- PO12,PSO1,PSO2
	18251A172 1				
	18251A175 5				
	18251A175 8				
3	18251A170 7	AUTOMATED HYDROPONIC PLANT NUTRITION SYSTEM	Dr. K. Rama Linga Reddy	Embedded Systems	PO1- PO12,PSO1,PSO2
	18251A172 0				
	18251A175 1				
	18251A175 9				
4	17251A173 9	IOT Based industrial parameters monitoring system	Mr. G. Krishna Reddy	Internet of Things	PO1- PO12,PSO1,PSO2
	18251A170 9				
	18251A171 1				
	19255A170 3				
	19255A170 4				
5	18251A171 2	Assistant talking bot	Mrs. A. Naveena	Internet of Things	PO1- PO12,PSO1,PSO2
	18251A171 9				
	18251A174 7				
	18251A175 4				
6	18251A171 4	Fuel Theft Detector	Dr. M. Vijaya Lakshmi	Embedded Systems	PO1- PO12,PSO1,PSO2
	18251A171 5				
	18251A172 3				
	18251A173 2				

7	18251A171 6	Density based traffic system	Mrs. T. Sunitha	Robotics	PO1- PO12,PSO1,PSO2
	18251A172 7				
	18251A172 8				
	18251A174 4				
8	18251A171 3	Anti Sleeping Device For Drivers	Mrs. P. Sreesudha	Embedded Systems	PO1- PO12,PSO1,PSO2
	18251A172 4				
	18251A172 5				
	18251A175 3				
9	18251A172 6	Floor Cleaning Robot	Mrs. K. Sarada	Robotics	PO1- PO12,PSO1,PSO2
	18251A175 2				
	18251A175 6				
	18251A175 7				
10	18251A170 8	Voice Controlled Robot with Obstacle Detection	Mrs. V. Anitha	Robotics	PO1- PO12,PSO1,PSO2
	18251A172 9				
	18251A173 0				
	19255A170 2				
11	18251A173 1	Fire fighting robot	Mr. V. Vikas	Robotics	PO1- PO12,PSO1,PSO2
	18251A173 3				
	18251A173 4				
	18251A174 6				

12	18251A173 5	Smart Gloves for the Handicapped	Mr. A. Chandra Shaker	Embedded Systems	PO1- PO12,PSO1,PSO2
	18251A173 7				
	18251A173 8				
	18251A173 9				
13	18251A170 1	Automated Car Parking System	Mrs. M. Jyothsna	Embedded Systems	PO1- PO12,PSO1,PSO2
	18251A172 2				
	18251A174 0				
	18251A174 5				
14	18251A174 8	Advance Water Monitoring System For Household Applications	Mrs. T. Sunitha	Embedded Systems	PO1- PO12,PSO1,PSO2
	18251A170 3				
	18251A170 2				
	18251A170 5				
15	18251A174 3	ESP32 CAM VIDEO SURVEILLANCE ROBOT	Mr. V. Vikas	Robotics	PO1- PO12,PSO1,PSO2
	18251A171 7				
	18251A171 8				
	19255A170 1				
16	17251A171 4	Smart Gps Vehicle Tracker Using Arduino	Mr. A. Chandra Shaker	Embedded Systems	PO1- PO12,PSO1,PSO2
	18251A174 9				
	19255A170 5				
	19255A170 6				

Details of the publications of projects carried out by students in project laboratory:

Table B.6.4.f: No. of Publications during lase 3 Academic Years

S.No.	Academic Year	No of Journals/ Conference
1	2023-2024 (CAY)	13
2	2022-2023 (CAYm1)	6
3	2021-2022 (CAYm2)	1

The following is the list of publications of projects done in project laboratory:

Academic Year-2023-2024

S. No	Title	Student Details	Journal / Conference	Volume, Issue, ISSN/ISBN numbers	Year	WebLink
1	Performance Comparison of Channel Coding Techniques for OFDM System	G. Gagana Reddy, Alamur Sucharitha, N. Akshara, N. Vaishnavi	IOP Conference Series: Materials Science and Engineerin	10.1088/1757-899X/1272/1/012012	2023-2024	https://iopscience.iop.org/article/10.1088/1757-899X/1272/1/012012/pdf
2	IoT Based Patient Healthcare Monitoring System	Sai Anusha Dokka, Abhigna Nadupalli	International Journal for Research in Applied Science & Engineering Technology	pp:772-775 ISSN-2321-9653	2023-2024	https://doi.org/10.22214/ijraset.2023.54653
3	Arduino Based Car Speed Detector Circuit	D.Aashritha, G.Meghana, D.Greeshma, G.Rushika	International Journal for Research in Applied Science & Engineering Technology	Vol. 11 ISSN - 2321-9653	2023-2024	https://www.ijraset.com/best-journal/arduino-based-car-speed-detector-circuit

4	Automated Hydroponic System with Solar Powered Battery Management System	L. Sai Srivalli, K. Sharanya, D. Akhila, T. Madhu Chandana	International Journal for Research in Applied Science & Engineering Technology	ISSN - 2321-9653	2023-2024	https://doi.org/10.22214/ijraset.2023.54649
5	Fingerprint Based Smart Vehicle	A. Lalitha, A. Sandhya, M. Veena, M. Sri Pujitha	International Journal for Research in Applied Science and Engineering Technology	ISSN - 2321-9653	2023-2024	https://doi.org/10.22214/ijraset.2023.54650
6	Fruit Freshness Evaluation using a Real-Time Industrial Framework for Deep Learning	Sai Anusha, N. Abhigna, S. Sangeetha	International Journal for Research in Applied Science and Engineering Technology	ISSN - 2321-9653	2023-2024	https://doi.org/10.22214/ijraset.2023.54651
7	Greenhouse Monitoring and Controlling for Cultivation of Plant	T. Yamini M. Thrisha	International Journal for Research in Applied Science and Engineering Technology (IJRASE)	ISSN - 2321-9653	2023-2024	https://doi.org/10.22214/ijraset.2023.54652
8	Performance Analysis of Selective Mapping and Clipping based MC-CDMA System	B.Vaishnavi D.Ruchitha M.Tanmayl Buskani Aishwarya	International Journal of Wireless Communications and Networking Technologies	ISSN - 2321-9653	2023-2024	https://doi.org/10.22214/ijraset.2023.54655

9	Performance Analysis of Spatially Multiplexed MIMO System	T.Charitha A.Vineela K.Karishma K.Bhargavi	International Journal for Research in Applied Science & Engineering Technology	ISSN - 2321-9653	2023-2024	https://doi.org/10.22214/ijraset.2023.54656
10	Web Security Audit and Penetration Testing: Identifying Vulnerabilities and Strengthening Website Security	G. Saisri T. Sai Meghana G. Kaveri A. Sree Harshini	International Journal For Research in Applied Science and Engineering Technology.	ISSN - 2321-9653	2023-2024	https://doi.org/10.22214/ijraset.2023.54658
11	Adaboost Model-Based Approach for Effectively Detecting Spam in IoT Devices	Donthula Aashritha Gunda Rushika Gaddam Meghana	International Journal For Research in Applied Science and Engineering Technology	ISSN - 2321-9653	2023-2024	https://doi.org/10.22214/ijraset.2023.54648
12	IOT BASED SMART ENERGY METER	B.Ananya Sree P.SriNidhi S.Shivani K.Rashmika	International Journal of Engineering Science Invention Research & Development	ISSN - 2321-9653	2023-2024	https://doi.org/10.22214/ijraset.2023.54651
13	Assistant talking bot: For people with physical disabilities	Prakhya Korada	International Journal of Recent Technology and Engineering (IJRTE)	ISSN - 2550-6978	2023-2024	https://doi.org/10.53730/ijrs.v6nS6.11104

Academic Year-2022-2023						
S. No	Title	Student Details	Journal / Conference	Volume, Issue, ISSN/ISBN numbers	Year	WebLink
1	Deep Learning Aided 5G Channel Estimation	B. Shashitha B. Alekhya Clementina Rithika CH. Bhavana	IJRASET	Vol-11, Issue 6,	2022-23	https://doi.org/10.22214/ijraset.2023.54202

2	A Prototype of the Waste Segregation and Remote Garbage Level Monitoring System	Lakshmi Hemaswari Chava Kandle Meghan K. P. Pavani Sravya Jale	International Journal For Research in Applied Science and Engineering Technology	Volume 11, Issue 7, ISSN 2321-9653	2022-23	https://www.ijraset.com/
3	IoT Based Smart Home Automation and Security	Chilukuri Hemavali Indrasena Shaik Fa	International Journal For Research in Applied Science and Engineering Technology	Volume 11, Issue 7, ISSN 2321-9653	2022-23	https://www.ijraset.com/
4	PAPR Reduction of OFDM signals using PTS and Firefly algorithm	A. Lalitha A. Sandhya M. Veena M. Sri Pujitha	International Journal For Research in Applied Science and Engineering Technology	Volume 11, Issue 7, ISSN 2321-9653	2022-23	https://www.ijraset.com/
5	Automated Hydroponic System with Solar Powered Battery Management System	L. Sai Srivalli K. Sharanya D. Akhila T. Madhu Chandra	International Journal For Research in Applied Science and Engineering Technology	Volume 11, Issue 7	2022-23	https://doi.org/10.22214/ijraset.2023.54649

6	Home Surveillance Using Robotic Eye	Kandle Meghan a Sravya Jale	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	ISSN: 2321-9653	2022-23	https://doi.org/10.22214/ijraset.2023.54203
---	-------------------------------------	--------------------------------	--	-----------------	---------	---





Academic Year-2021-2022

S. No	Title	Student Details	Journal / Conference	Volume, Issue, ISSN/ISBN numbers	Year	WebLink
1	IoT Sensors, Classification and applications in Weather Monitoring	E. N. S. S. Anjana,	International Journal of Health Sciences	ISSN - 2277-3878	2020-2021	https://www.ijrte.org/wp-content/uploads/papers/v10i1/A57660510121.pdf

Details of the prototypes/products developed in project laboratory:

The following is the list of prototypes/products developed using facilities in project laboratory:

S.No.	Roll No	Name of student	Project Title	Image
1	20251A170 1 20251A170 9 20251A171 2 20251A172 4	Adepu Sathvika Mandava Pujitha Macharla Akhila Thatipalli Sowmya	IoT Based Smart Cradle System	
2	20251A170 4 20251A171 8 20251A172 2 20251A174 4	Barigala Ananya Sree Polkam Srinidhi Sheri Shivani Khandesh Rashmika	IoT Based Smart Energy Meter	
3	20251A173 3 20251A173 7 20251A173 9 20251A175 3	Arshiya Doniparthi Ishitha Geddam Sravya Surapaneni Vathsalya	Farm Bot	



4	20251A170 2	Ambati Bala Vijaya Nirmala	Wireless Electric Vehicle Charging System	
	21255A170 2	Silveru Sowmya		
	21255A170 7	Karedi Suchithra		
5	20251A171 3	Myadam Harika, Palavarapu Joshitha, Gundapaneni Sai Pravallika Kurella Anusha	SWIFT: Safety Wear for Immediate Fall Trauma	
	20251A171 5			
	20251A174 2			
	20251A174 6			
6	20251A170 6	Devaragatla Ramya Sri Manideepa Kasula Shaik Ashrafa Ramavath Harshitha	Smart Flow: A Real-Time Water Management Solution	
	20251A171 1			
	20251A172 0			
	20251A175 0			
7	20251A170 3	B Lalithya Bollineni Sahithi K Akshaya Krupa Konala Dyuthi	Eye Blink- Controlled Wheel Chair: Enhancing Mobility and Independence for Individuals with Disabilities	
	20251A170 5			
	20251A170 7			
	20251A170 8			

8	20251A171 6 20251A172 5 20251A172 6 20251A172 7	P Sanjana Reddy Thippani Jyoshna Thipparaju Sri Vaishnavi Thoka Bhavani	Detection of active mobile phones and hidden camera	
9	20251A173 1, 20251A173 6, 20251A174 9, 21255A170 5	Aishwarya Rao Boddulah Kalyani OjaswiCheekati Vadla Varsha	Automated Alcohol Sensing Engine Locker	
10	20251A175 1 20251A175 4 20251A175 5 21255A170 6	Seepelly Likitha Syed Afifa Zohreen ThoutamVyshnavi Ponnala Sai Sharanya	Advanced School Bus Safety System	
11	20251A174 7 20251A174 8 20251A175 2 20251A175 7	Mamidipalli Varsha N Deetya Reddy Shreya Konderi Woolichi Harshavalli	Food Spoilage Detection System	

Details of the Faculty utilizing project laboratory for research work:

The following is the list of faculties who completed the Ph.D. using facilities (Computers, Internet, Software) in the project laboratory:

S.No.	Name of the Faculty	University/ College awarding Ph.D.	Year of Award	Area of specialization
1	Dr.M.Vijaya Lakshmi	JNTUH	September 2020	Wireless Communications
2	Dr.A.Naveena	JNTUH	May 2021	Computer Networks
3	Dr.P.Sreesudha	JNTUH	February 2023	Wireless Communications
4	Dr.T.Sunitha	GITAM University	November 2022	VLSI Design

12	20251A1714	Nigama Srivatsava	Real-Time Monitoring for Efficient Drainage System	
	20251A1730	Aakanksha Gaikwad		
	21255A1703	Nabi Unissa Nekkhalapudi		
	21255A1704	Haveela		
13	20251A1721	Shaik Sofia	Li-Fi Data Transfer System	
	20251A1728	Jasmine Yarrapothu Neha		
	20251A1740	Govindu Pranathi		
	20251A1756	Ulla Srividya		

The following is the list of faculties who are utilizing the facilities in the project laboratory for their research work / Ph.D.:

S.No	Name of the faculty	Course	Month and Year of Registration	University	Specialization
1	N.Rama Krishna	Ph.D	December 2016	VTU	Image processing
2	G.Krishna Reddy	Ph.D	January 2019	Sathyabama University	Wireless Communications

3	V.Vikas	Ph.D	September 2020	Amrita University	Wireless Networks
4	V.Anitha	Ph.D	February 2021	VIT Bhopal	Terahertz Imaging
5	A.Chandra Shaker	Ph.D	July 2021	Amrita University	IOT
6	M.Jyothsna	Ph.D	July 2021	Amrita University	Wireless Communication s

7 CONTINUOUS IMPROVEMENT (75)

Total Marks 75.00

7.1 Actions taken based on the results of evaluation of each of the COs, POs & PSOs (30)

Total Marks 30.00

POs Attainment Levels and Actions for Improvement- (2022-23)

POs	Target Level	Attainment Level	Observations
PO 1 : Engineering Knowledge			
PO 1	2.05	2.29	<ul style="list-style-type: none"> • Target level is achieved, but the Contribution of the following subjects C202 [NT]-Network Theory and C302 [DSP]-Digital Signal Processing towards PO1 attainment was less. • Because: • Lack of CO1 attainment is due to students found difficulty to use their knowledge in understanding concepts of RMS and Average values - C202 [NT]. • Lack of CO3 attainment is due to difficulty in acquiring knowledge on concepts of spectral characteristics of the FFT algorithm - C302 [DSP].
Action 1: Tutorial and flipped classroom method together improve the understanding in RMS and Average Value concepts in C202 [NT]. Action 2: NPTEL Video lectures have to be adopted for better understanding the concepts of spectral characteristics of the FFT algorithm with examples and applications in C302 [DSP]. Action 3: More assignment questions have to be given in the subjects C202 [NT], C302 [DSP].			
PO 2 : Problem Analysis			
PO 2	2.05	2.12	<ul style="list-style-type: none"> • Target level is achieved, but the contribution of the following subjects C203 [EDC]-Electronic Devices and Circuits and C305 [EMI]-Electronic Measurements and Instrumentation towards PO2 attainment was less. • Because: • Lack of CO6 attainment is due to lack of formulation of design of rectifier circuits - C203 [EDC]. • Lack of CO4 attainment is due to identifying the proper transducer for given applications - C305 [EMI.]
Action 1: Students will be provided with tutorial classes specifically focusing on diode operation and its application in rectifier circuits. They will also be encouraged to participate in peer learning groups. So that they can able to improve their analytical capability to design the rectifier circuits in C203 [EDC]. Action 2: Video lectures along with examples of transducers suitable for different applications will be given to students in C305 [EMI]. Action 3: Students will be provided with more questions for practice with respect to selection of transducer for different applications and previous year external paper questions will be given as assignments in C305 [EMI]			
PO 3 : Design/development of Solutions			
PO 3	2.05	2.19	<ul style="list-style-type: none"> • Target level is achieved, but the contribution of the following subjects C202 [NT]-Network Theory and C213 [MPMC]-Microprocessors and Microcontrollers towards PO3 attainment was less. • Because: • Lack of CO6 attainment is due to difficulty in designing of passive filters-C202 [NT]. • Lack of CO3 attainment is due to less competency in designing microcontroller based systems- C213 [MPMC].
Action 1: To improve the designing capability of passive filters, more problems with fundamentals of passive filters have to be covered in tutorial classes in C202 [NT]. Action 2: Design capabilities of microcontroller based systems can be improved through hands-on sessions in C213 [MPMC].			
PO 4 : Conduct Investigations of Complex Problems			
PO 4	2.05	1.99	<ul style="list-style-type: none"> • Target level is not achieved, due to the contribution of the subjects, and C313 [PCN]-Principles of Computer Networks and C315 [AWP]-Antennas and Wave Propagation towards PO4 attainment was less. • Because: • Lack of CO5 attainment due to difficulty in understanding the concepts of routing, subnetting and supernetting-C314 [PCN]. • Lack of CO5 attainment is due to investigation of antenna elements and its distribution in the analysis of antenna array -C315 [AWP].
Action 1: Students will be made exercises with respect to routing, subnetting and supernetting problems. This will make them improve with the concepts in C314 [PCN]. Action 2: The attainment can be improved by emphasizing more on antenna elements and its distribution which may lead to improve the radiation pattern of the antenna array in C315 [AWP]			
PO 5 : Modern Tool Usage			
PO 5	2.05	2.16	<ul style="list-style-type: none"> • Target level is achieved, but the contribution of the subject C213 [MPMC]-Microprocessors and Microcontrollers towards PO5 attainment was less. • Because: • Lack of CO3 attainment due to lack exposure to more modern microcontroller platforms and development environments commonly used in the industry-C213 [MPMC].

Action 1: Students will be provided with, learning materials, comprising text books, tutorials and practical examples, covering both 8051 interfacing and contemporary microcontroller platforms. This helps them in understanding and utilizing modern engineering tools effectively in C213 [MPMC]. Action 2: Students are encouraged to use modern tools like tinkercad simulation tools, Arduino boards for their mini and major projects.

PO 6 : The Engineer and Society

PO 6	1.95	1.94	<ul style="list-style-type: none"> • Target level is not achieved, due to the contribution of the following subjects C314 [TSSN]-Telecommunication Switching System and Networks and C407 [WMPTG]-Waste Management Techniques and Power Generation towards PO6 attainment was less. • Because: • CO6 attainment is less due to students lack understanding of the design of telecommunication switching systems associated with societal and safety issues-C314 [TSSN]. • CO1 attainment is less due to students lack understanding of waste management techniques associated with societal and safety issues-C407 [WMPTG].
------	------	------	--

Action 1: Videos aimed to cultivate the societal impact of telecommunication system design to be presented to the students in C314 [TSSN]. Action 2: Students will be presented with educational videos highlighting the importance of waste management and the detrimental effects of improper handling in C407 [WMPTG].

PO 7 : Environment and Sustainability

PO 7	1.95	2.05	<ul style="list-style-type: none"> • Target level is achieved, but the contribution of the following subjects C405 [ESD]- Embedded System Design and C415 [EIA]- Environmental Impact Assessment, towards PO7 attainment was less. • Because: • The CO2 attainment is low as students failed to understand environmental effects of the core part of the embedded system and its sustainability-C405 [ESD] • The CO4 attainment is low, as the students found difficulty in understanding Environmental Impact Assessment in documentation preparation-C415 [EIA]
------	------	------	--

Action 1: Students will be demonstrated how to design embedded systems with minimal environmental impact. Students also encouraged to use renewable energy sources to design the systems with efficient power management in C405 [ESD]. Action 2: The attainment can be improved by making the students involved in performing activity based learning to know the importance of Environment and sustainability, Conducting Seminars, and Case studies in C415 [EIA].

PO 8 : Ethics

PO 8	1.95	1.85	<ul style="list-style-type: none"> • Target level is not achieved, due to contribution of the subject C311 [ESL]-Employability and Soft Skills lab towards PO8 attainment was less. • Because: • The attainment is low due to, the lab currently lacks a significant emphasis on modules dedicated to fostering ethical compatibility with society's values and needs-C311 [ESL].
------	------	------	--

Action 1: By Incorporating case studies, discussions and assignments, students can able to analyze the ethical implications of their work and consider societal values and needs in C311 [ESL]. Action 2: Students are motivated to participate in sessions focusing on ethical considerations and the cultivation of human values. Action 3: Students are instructed in project sessions, to adhere to ethical guidelines in both minor and major projects, emphasizing the importance of ethical conduct throughout their academic endeavors.

PO 9 : Individual and Team Work

PO 9	1.95	2.22	<ul style="list-style-type: none"> • Target level is achieved, but the contribution of the subject C412 [EPM]-Entrepreneurship and Project Management towards PO9 attainment was less. • Because: • The CO3 attainment is low because students lack practical exposure to real world entrepreneurial scenarios and decision making processes- C412 [EPM].
------	------	------	--

Action 1: To improve the attainment, seminars have to be conducted on leadership development within entrepreneurial contexts in C412 [EPM]. Action 2: Students will be provided with guidance on effective communication, decision-making, and conflict resolution skills that help them to lead or contribute effectively within multidisciplinary teams. Action 3: Technical activities to be organized to improve team building and leadership qualities.

PO 10 : Communication

PO 10	1.95	2.14	<ul style="list-style-type: none"> • Target level is achieved, but the contribution of the subject C414 [RS]-Radar Systems towards PO10 attainment was less. • Because: • CO5 attainment is low, as students found difficulty in writing report on matched filter response characteristics for RADAR applications-C414 [RS].
-------	------	------	---

Action 1: Students have to be assigned seminar topics on RADAR applications using matched filters to improve the report writing and communication skills in C414 [RS]. Action 2: Students are encouraged to participate in Poster presentation, Paper presentation, Project expo etc. to develop the communication, presentation and report writing skills.

PO 11 : Project Management and Finance

PO 11	1.95	2.01	<ul style="list-style-type: none"> • Target level is achieved, but the Contribution of the following subjects C406 [PP]-Python Programming and C412 [EPM]-Entrepreneur Project Management towards PO11 attainment was less. • Because: <ul style="list-style-type: none"> • CO6 attainment is low, due to limited exposure to GUI design principles and lack experience in software development-C406 [PP]. • CO 5 attainment is less, as students do not have practical exposure to project management and finance-C412 [EPM].
-------	------	------	---

Action 1: By incorporating hands-on sessions and assignments focused on GUI development, students can able understand the design principles of GUI in C406 [PP]. Action 2: Videos pertaining to different interdisciplinary projects have to be shown to the students in C412 [EPM]. Action 3: Students are suggested to attend the sessions by EDC cell.

PO 12 : Life-long Learning

PO 12	1.95	2.00	<ul style="list-style-type: none"> • Target level is achieved, but the Contribution of the following subjects C203 [EDC]-Electronic Devices and Circuits and C303 [EMT]-Electro Magnetic Theory towards PO12 attainment was less. • Because: <ul style="list-style-type: none"> • Low attainment in CO4 is due to lack of identification of specific biasing circuits for particular application - C203 [EDC] • Low attainment in CO2 is due to poor identification of laws governing Maxwell's equation-C303 [EMT].
-------	------	------	---

Action 1: Students are encouraged to use flipped classroom method to identify the specific transistor biasing techniques for a particular application in C203 [EDC]. Action 2: Students are suggested to participate in group discussions, shown animated videos pertaining to different laws governing Maxwell's equations. That enhance students' understanding of electrostatics and magnetostatic concepts in C303 [EMT]. Action 3: Students are suggested to refer to standard IEEE Papers.

PSOs Attainment Levels and Actions for Improvement- (2022-23)

PSOs	Target Level	Attainment Level	Observations
PSO 1 : Graduates will be able to analyze and design telecommunication networks with applicable consideration.			
PSO 1	2.00	2.08	<ul style="list-style-type: none"> • Target level is achieved, but the contribution of the following subjects C212 [ADC]-Analog and Digital Communications and C414 [RS]-Radar Systems towards PSO1 attainment was less. • Because: <ul style="list-style-type: none"> • The attainment of CO5 is low, as students found difficulty in analyzing the performance of digital modulation techniques with respect to bit error rate and Spectral efficiency-C212 [ADC]. • The attainment of CO5 is low, as students found difficulty to design matched filter for RADAR application-C414 [RS].
Action 1: Students are suggested to go through the NPTEL Videos to get depth knowledge of BER and SE which play a vital role in performance analysis of digital modulation techniques, which makes students to design telecommunication networks efficiently in C212 [ADC]. Action 2: To improve attainment, students are suggested to go through the NPTEL videos on basics of matched filter and its application in the RADAR system, this makes students to design a RADAR system to detect the target and its range accurately in C414 [RS].			
PSO 2 : Graduates will gain technical knowledge with necessary aptitude and soft skills to work in the ICT industry.			
PSO 2	2.00	2.06	<ul style="list-style-type: none"> • Target level is achieved, but the contribution of the following subjects C213 [MPMC]-Microprocessors and Microcontrollers, C406 [PP]- Python Programming towards PSO2 attainment was less. • Because: <ul style="list-style-type: none"> • CO5 attainment is low as students found difficulty to grasp complex concepts like memory hierarchy, addressing modes, and interfacing techniques, which are essential technical knowledge in the ICT industry-C213 [MPMC]. • CO1 attainment is low due to lack of Hands-on Practice, with Python programming. C406 [PP].
Action 1: Students will be provided with more practical exposure, and hands-on exercises related to memory and interface concepts to get success in ICT industry in C213 [MPMC]. Action 2: Students will be provided coding exercises, projects, and labs for improving technical skills which are required for ICT industry in C406 [PP]. Action 3: Students are encouraged to participate in various events like technical symposium, quiz, hackathons etc. to improve their soft skills and communication skills.			
7.2 Academic Audit and actions taken thereof during the period of Assessment (15)			Total Marks 15.00

Academic Audit Process and Implementation:

Academic Audit is conducted to ensure the quality standards of each Program within the Institution. This practice serves to identify the Strengths, Weaknesses, Opportunities, and Challenges (SWOC) within Programs, guiding efforts towards Program enhancement.

The Academic Audit process encompasses evaluation at both Course and Program levels, utilizing a comprehensive proforma. Developed in alignment with the Criteria established by Statutory bodies such as the NBA, NAAC and UGC/AICTE for Autonomous Institutions, this proforma facilitates a thorough Audit of all Key factors related to Academics.

The Program Level Academic Audit Document provides an overview of the commitment to delivering high-quality Academic Programs. This is achieved through several Key Factors:

- Curriculum
- Student Enrolment
- Student Academic Performance
- Progression, Teaching-Learning Methodologies
- Program Outcomes and Student Support Mechanisms
- Faculty Accomplishments and Contributions
- Governance

Internal Academic Audit and External Academic and Administrative Audits are each conducted once every year.

Internal Academic Audit is Qualitative and External Academic Audit is Quantitative.

Internal Academic Audit is carried out around one month before the External Academic and Administrative Audit so that the Programs have sufficient time to implement the recommendations from the Audit Team.

The External Academic and Administrative Audit is performed for 1000 marks considering every parameter related to the Programs which include

- i. Course content
- ii. Teaching - Learning Process
- iii. Examination and Evaluation system
- iv. Results
- v. Other activities
- vi. Infrastructure
- vii. Department Administration

Figure B.7.2.a, shows the process flow for the Internal and External Academic Audits

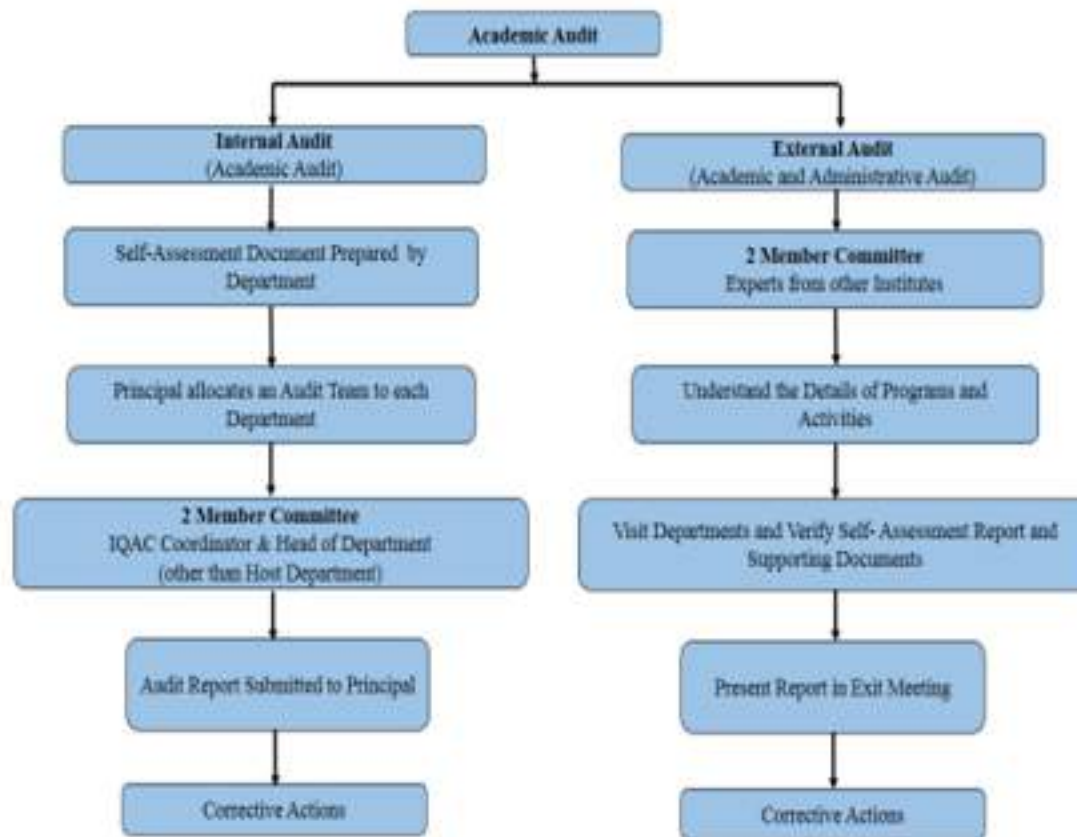


Figure B.7.2.a: Process Flow for Internal and External Academic Audits

Internal Academic Audit

The Internal Academic Audit Proforma emphasizes on parameters geared towards enhancing Academic Quality and conducts assessments using the metrics generated. By quantifying the Programs overall performance, Strengths are identified, providing a morale boost, while Weaknesses are targeted for planning the strategies for improvement. This process enables the Program to continually elevate its standards, leveraging strengths and addressing areas in need of enhancement.

The Self-Assessment Report is prepared by each Department according to the template shown in Figure B.7.2.c, and submitted to the Principal after completion of academic year. Principal Allocates a Two-Member Internal Academic Audit Team to each Program.

A. Composition of Internal Academic Audit Team

The Internal Academic Audit Team consists of the IQAC Coordinator and HoD of other Department as assigned by the Principal.

B. The Process flow of Internal Academic Audit

- The Internal Academic Audit team collects the Self-Assessment Report and visits the Department.

- The Internal Academic Audit Team conducts Audit as proposed by the Principal.
- The Principal and IQAC Coordinator consolidate the Audit reports of all Programs.
- Corrective Actions are discussed by the Principal and IQAC Coordinator with the respective HoD.

Figure B.7.2.b, shows the circular for Internal Audit issued by the Principal to the Heads of all the Departments along with the Self-Assessment Format which has to be completed before the Internal Audit as shown in Figure B.7.2.c.



Figure B.7.2.b: Internal Audit Circular



Figure B.7.2.c: Internal Academic Audit

Actions plan based on audit, implementation and effectiveness for 2022-2023**Table B.7.2.a: Action plan for the AY: 2019-23**

Action Plan	Implementation	Effectiveness
Awareness session on patent writing and publishing are planned	Conducted various sessions on proposal writing and publishing	8 patents got published in 2023-2024
Faculty are strongly encouraged to complete training program focused on the National Education Policy (NEP)	NEP 2020 Orientation & Sensitization Programme certification program organized by UGC Malaviya Mission Teacher Training Centre, JNTU Hyderabad	5 Faculty members completed certification program in 2023-2024 till now. Meanwhile, other faculty members are currently in progress towards completing their certifications.
Remedial Classes are planned to weak students	Planned to conduct after first mid examination.	Students got improved in their marks in second mid examination.
The department will set up meetings where faculty and students can explain their research or new ideas to a committee.	Proposal for A2K+Studies in DSIR submitted.	Proposal presentation completed and waiting for results.

Academic activities and outcomes as Continuous Improvements in the department during the assessment period.**i. Faculty Contributions****• Research Publications**

1. Faculty members are motivated to publish high-quality research publications in reputed databases such as SCI, SCIE, ESCI, Scopus, and Web of Science, with reimbursement provided for notable contributions.
2. Research facilities are provided for faculty in the department to publish papers within their specific domains.

Table B.7.2.b: Improvement in research publications

Academic Year	Total Journal Publications
2022-2023	22
2021-2022	13
2020-2021	19
Total	54

Table B.7.2.c: Improvement in Book/Book Chapters/Conference Proceedings

Academic Year	Total Books/Conference
2022-2023	23
2021-2022	11
2020-2021	08
Total	42

Teaching-Learning Process and Evaluation:

- **Internal Quality Assurance Cell:** Course and module coordinators, who are senior faculty members, meticulously review mid-question papers to ensure quality. Bloom's taxonomy levels are followed while preparing question papers to enhance assessment effectiveness.
- **Course File Maintenance:** Every faculty member diligently maintains course material, which undergoes regular monitoring each semester to uphold quality and relevance.
- **Monthly Attendance Monitoring:** Class teachers conduct monthly attendance checks, promptly notifying parents if a student's attendance falls below 75%. Reasons for attendance shortages <75% are documented for further review.
- **Class Review Committee:** This committee convenes twice per semester, preceding mid-exams, to assess syllabus coverage and students' comprehension of classwork. Comprehensive documentation of all meetings is maintained within the department.
- **Mentoring and Counselling:** Faculty proctors offer mentoring and counseling guidance to students, ensuring a minimum of two meetings per semester: one before and one after mid-term exams. These sessions aim to provide support and address both academic and personal concerns.
- **Feedback Analysis and Action:** Students provide feedback on faculty performance each semester, enabling the implementation of corrective or improvement measures as necessary.
- **Self-Learning Opportunities:** Faculty members are encouraged to engage in NPTEL courses, supported by leave provisions and reimbursement of registration fees. Moreover, faculty members actively mentor students, fostering a culture of self-directed learning.
- **Day to Day evaluation in Laboratories:** Regular evaluation is done through Viva Voce/Practice tests in laboratory sessions, providing students with immediate feedback on their understanding and performance during experiments.

External Academic Audit / Academic and Administrative Audit (AAA)

The External Academic and Administrative Audit is to be done in the Institution by External Experts once every year in the month of September. Figure B.7.2.d shows the circular issued by the Principal to all the Heads of the Departments informing them of the date of AAA and to prepare all the documents for verification according to the Key Indicators of Assessment as given in the Figure B.7.2.e

A. Composition of External AAA Team

External Academic and Administrative Audit team consists of 2 Faculty members (Experts) from other Institutes of repute, who have experience and/or training on academic quality systems, processes and strategies and audit tactics and methodologies.

B) The Process of External AAA

- The External Audit team, will first interact with the Principal, and the Heads of the Department (HoDs) to collect the details of the Programs and the Activities being conducted during the period of Audit.
- Auditors will then visit all Departments and facilities and generally verify the Self-Assessment Report along with the supporting documents. They interact with the HoD and the faculty in-charge of Quality Assurance and will seek clarifications of doubts if any.
- In the Exit meeting, the External Audit team will interact with the Principal, Internal Quality Assurance Cell (IQAC) coordinator, Heads of the department and present their brief observations and findings of the Audit. Both parties (the Principal and the External Audit Team) can express their views and analysis on the observations and findings of the audit.
- The Institute plans to implement the suggestions and recommendations proposed by the External Audit Team.



G. Narayanamma Institute of Technology & Science (For Women)	MR/CIR/09
Circular	DEPARTMENT : PRINCIPAL'S OFFICE
Copy to: The HODs- for necessary action	Date: 01-09-2023

All the Heads of the Departments are hereby informed that an external Academic and Administrative Audit will be conducted on 08-09-2023. Two external experts will be visiting the college to verify the data. The Heads of Departments (HODs) are instructed to present the respective criterion data for the academic year 2022-23 in accordance with the specified format to the External Audit members. The members will visit the department laboratories for physical verification.


PRINCIPAL

Figure B.7.2.d: Circular for the External Academic Administrative Audit

Criteria	Key Indicators (GNITS)	Max. marks
1. Curricular Aspects	1.1 (a) Curriculum Design and Development	25
	1.1 (b) Curricular Planning and Implementation	25
	1.2 Academic Flexibility	40
	1.3 Curriculum Enrichment	40
	1.4 Feedback System	20
	Total	150
2. Teaching Learning and Evaluation	2.1 Student Enrolment and Profile	20
	2.2 Catering to Student Diversity	30
	2.3 Teaching-Learning Process	50
	2.4 Teacher Profile and Quality	50
	2.5 Evaluation Process and Reforms	50
	2.6 Student Performance and Learning Outcomes	50
	2.7 Student satisfaction Survey	50
	Total	300
3. Research Innovations and Extension	3.1 Promotion of Research and Facilities	20
	3.2 Resource Mobilization for Research	10
	3.3 Innovation Ecosystem	10
	3.4 Research Publications and Awards	30
	3.5 Consultancy	10
	3.6 Extension Activities	50
	3.7 Collaboration	20
	Total	150
4. Infrastructure and Learning Resources	4.1 Physical Facilities	30
	4.2 Library as a Learning Resource	20
	4.3 IT Infrastructure	30
	4.4 Maintenance of Campus Infrastructure	20
	Total	100
5. Student Support and Progression	5.1 Student Support	30
	5.2 Student Progression	30
	5.3 Student Participation and Activities	30
	5.4 Alumni Engagement	10
	Total	100
6. Governance, Leadership and Management	6.1 Institutional Vision and Leadership	10
	6.2 Strategy Development and Deployment	10
	6.3 Faculty Empowerment	30
	6.4 Financial Management and Resource Mobilization	20
	6.5 Internal Quality Assurance System	30
	Total	100
7. Institutional Values and Best Practices	7.1 Institutional Values and Social Responsibilities	50
	7.2 Best Practices	30
	7.3 Institutional Distinctiveness	20
	Total	100
TOTAL SCORE		1000

Figure B.7.2.e: The Key Indicators of Assessment for the External AAA

7.3 Improvement in Placement, Higher Studies and Entrepreneurship (10)

Total Marks 10.00

Assessment is based on improvement in:

- Placement: number, quality placement, core industry, pay packages etc.
- Higher studies: performance in GATE, GRE, GMAT, CAT etc., and admissions in premier institutions
- Entrepreneurs

Table B.7.3.a: Details of Placements, higher studies, Entrepreneurs

Item	CAY-1	CAY-2	CAY-3
	2022-2023	2022-2021	2021-2020
Total No. of Final Year Students	67	66	56
No. of students placed in companies or Government Sector(x)	43	46	40
No. of students qualifying score in GATE,GRE,GMAT, CAT,TOFEL,IELTS	9	19	15
No. of Students admitted to higher studies with valid qualifying scores (GATE or equivalent state or National Level Tests, GRE, GMAT, etc., (y)	5	9	8
No. of Students turned Entrepreneur in Engineering /Technology	0	0	0

7.3.1: Improvement in Placements

- Students are being offered placements by multinational corporations (MNCs) with high packages.
- Many students are pursuing internships with JPMC, Deloitte etc. which are extended as a full-time position against pre-placement Offers.
- Soft skill sessions are held to refine aptitude, reasoning, and communication proficiencies.
- Enhancing student placement prospects, industry experts deliver insightful lectures.
- Preceding campus recruitment drives, mock tests encompassing technical interviews, HR sessions, and group discussions are conducted.

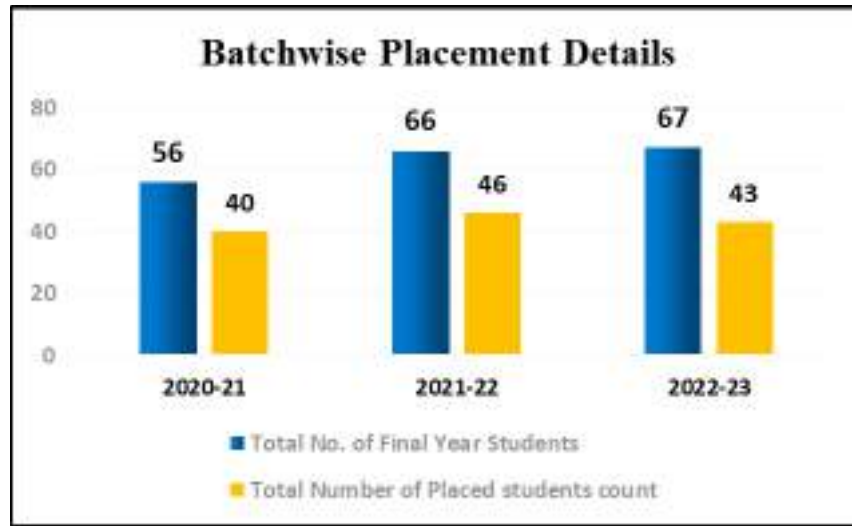


Figure B.7.3.1.a: Placement comparison chart

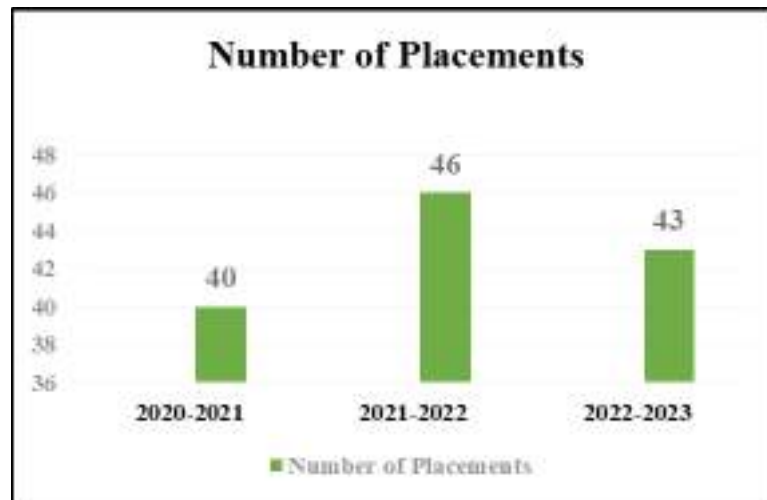


Figure B.7.3.1.b: Improvement in number of placements

- The subsequent section outlines comprehensive enhancements covering aspects such as quantity, industry focus, compensation packages, and the caliber of placements attained.

7.3.1.1: Placements with Packages

The Table B.7.3.1.1.a, shows the number of student placements with respect to package. The Figure B.7.3.1.1.a, shows the comparison chart with respect to package.

Table B.7.3.1.1.a: Improvement in number of placements

Item	Category	CAYm1 2022-2023	CAYm2 2021-2022	CAYm3 2020-2021
Placements	Number of students placed	43	46	40
	Quality placement	13 LPA	11 LPA	7.6 LPA
	Pay Package(AVG LPA)	6.06	4.88	4.68

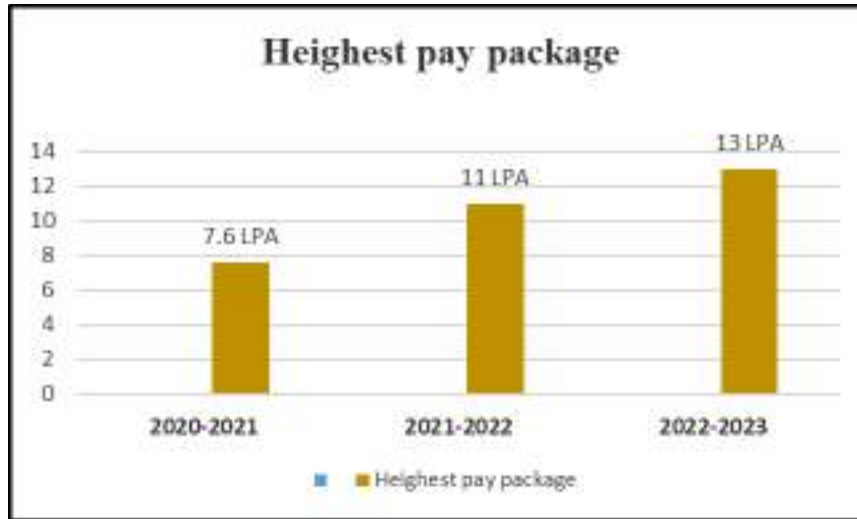


Figure B.7.3.1.1.a: Improvement in package

7.3.1.2: Quality placements based on pay package

The Table B.7.3.1.2.a, shows the number of placements quality placements based on the pay package.

Table B.7.3.1.2.a: Quality placements

Category	CAYm1	CAYm2	CAYm3
	2022-2023	2021-2022	2020-2021
	CTC (in Lakhs)	CTC (in Lakhs)	CTC (in Lakhs)
No. of students placed	43	46	40
Number of Students up to 5 LPA	16	32	32
Number of Students from 5 to 10 LPA	24	12	8
Number of Students above 10 LPA	3	2	0
Highest Pay Package(LPA)	13	11	7.6
Number of Students with Highest Pay Package	3	2	6

7.3.1.3: List of students placed in various companies for the academic years: 2022-23, 2021-22, and 2020-21 are shown in the below given tables.**Table B.7.3.1.3.a: List of students placed-CAYm1 2022-2023**

2022-23				
S.No.	Roll No.	Name of Student	Organization Placed in	CTC (in lakhs)
1	19251A1701	Anusha Reddy	JPMC	13
2	19251A1703	Aki Sreeharshini	Optum, UHG	8.98
3	19251A1704	Lalitha Adiraju	Franklin Templeton	6
4	19251A1705	A Sandhya	Wipro	1.7
5	19251A1708	Shashitha Banda	Deloitte	6
6	19251A1709	Bejugam Alekhya	Infor	6
7	19251A1711	Aishwarya Buskani	Prodapt	4
8	19251A1717	Dupakuntla Ruchitha	Mindtree	4
9	19251A1718	Anusha Dokka	JPMC	13
10	19251A1719	Greeshma Reddy 2	Deloitte	6
11	19251A1720	Aashritha Donthula	Deloitte	6
12	19251A1721	Sai Sonali	Micron	5.94
13	19251A1722	Rushika Gunda	Optum, UHG	8.98
14	19251A1723	Meghana Gaddam	EY India	6.48

15	19251A1724	Sai sri Gajula	Prodapt	7.5
16	19251A1725	Sneha Gande	Optum, UHG	8.98
17	19251A1726	Kaveri Gorla	Deloitte	6
18	19251A1729	Gapti Harshita	DXC Technology	4.2
19	19251A1730	Vaishnavi Jeedipally	Deloitte	6
20	19251A1731	Pavani Kongari	Mindtree	4
21	19251A1732	Raga Suma	Deloitte	6
22	19251A1736	Kandula Sridevi	Mindtree	4
23	19251A1738	Lakshmi Hemaswi Chava	Mindtree	4
24	19251A1740	Thrisha Muduganti	DXC Technology	4.2
25	19251A1741	Veena Madagundi	Cognizant	4
26	19251A1742	Maddi Shirisha	EY India	6.48
27	19251A1743	Sharanya Manusani	Prodapt	4
28	19251A1744	Sri Pujitha	Deloitte	6
29	19251A1745	Musunuru Tanmayi	Capgemini	4
30	19251A1746	Abhigna Nadupalli	JPMC	13
31	19251A1748	Anusha Penchala	Prodapt	4
32	19251A1749	Rithika Nayak	Optum, UHG	8.98
33	19251A1750	Samala Vidya Reddy	Optum, UHG	8.98
34	19251A1751	Krishna Snehitha Sanka	Deloitte	6
35	19251A1753	Sheela Sangeetha	Accenture	4.61
36	19251A1754	Sravya J	Deloitte	6
37	19251A1755	Akhila Reddy	Deloitte	6
38	19251A1756	Turaka Charitha	Mindtree	4
39	19251A1757	T.Sai Meghana	Deloitte	6
40	19251A1758	Turlapati Yamini	EY India	6.48
41	20255A1701	Vaishnavi Reddy Bodigam	Deloitte	6
42	20255A1705	Tulasi Vulpala	Freyr Energy Services Pvt. Ltd	3
43	19251A1739	Ishwarya	Aititude IT Pvt. Ltd	2.4

Table B.7.3.1.3.b: List of students placed-CAYm2 2021-2022

2021-22				
S.No.	Roll No.	Name of Student	Organization Placed in	CTC (in lakhs)
1	18251A1702	Akshaya	Mindtree	4
2	18251A1705	Cheekati. Deekshitha Chowdary	TCS Ninja	3.6
3	18251A1706	Devarakonda Manasa	Cognizant	4

4	18251A1707	Fareeha Hameed	Deloitte	6
5	18251A1708	G Hasitha	Deloitte	6
6	18251A1710	Ronika banoth	Tata Communications	3
7	18251A1712	Prakhya Korada	Deloitte	6
8	18251A1713	Devaragatla Akhila	Accenture	4.5
9	18251A1714	Kondreddy Sindhuja	Medtronic	7.33
10	18251A1715	Bhavya Kuppli	Deloitte	6
11	18251A1717	Maddi Akhila	Deloitte	6
12	18251A1718	N.Nikitha	Accenture	4.5
13	18251A1720	Nikitha Reddy Mangalikuntla	Cognizant	4
14	18251A1721	Poodattu Naga Hari chandrika	Kagool	4.5
15	18251A1722	Joshna Poluru	Accenture	4.5
16	18251A1723	R Sai Keerthana	Persistent systems	4.7
17	18251A1724	Pragnya Sree Sama	State Street	11
18	18251A1725	Seepelly Alekya	Wipro	3.5
19	18251A1726	Summaiya Mehveen	Accenture	4.5
20	18251A1727	T.Jyothi	Optum	7.78
21	18251A1729	M. Sushmitha	Wipro	3.5
22	18251A1732	B.Aruna	Tech Mahindra	3.25
23	18251A1735	Chennuri Namratha	Persistent systems	4.7
24	18251A1738	Garlapati Vinusha	Telstra	7.5
25	18251A1740	K Sharanya	Cognizant	4
26	18251A1741	K Bhuvaneshwari Reddy	Ford	4.97
27	18251A1742	Shivani kadem	Deloitte	6
28	18251A1743	Inala Sai Pranavi	Accenture	4.5
29	18251A1744	Kota Sumegha Naidu	Cognizant	4
30	18251A1746	M Apoorva Sruthi	Bosch	5
31	18251A1747	N.Vaishnavi	Cognizant	4
32	18251A1748	N.Roshitha	CGI	3.75
33	18251A1751	L. Sai Srivalli	Deloitte	6
34	18251A1753	Thumula Madhu Chandana	State Street	11
35	18251A1756	Syeda Shifa Fatima	Accenture	4.5
36	18251A1759	V.Naimisha	Deloitte	6
37	18251A1760	Thanmayee Yeluri	Accenture	4.5
38	19255A1701	VNS Sri Harshitha P	Accenture	4.5
39	19255A1702	S.Lakshmi Pranathi	Infosys	3
40	19255A1703	Raparathi Sankeerthana	Wipro	3.5
41	19255A1704	Kumudini	Colruyt	5.5

42	19255A1706	Thurpu Bhavani	CGI	3.75
43	18251A1703	Vaishnavi B V	Genpact India Private Limited	2.5
44	18251A1734	Nikhitha Gannarapu	GUS Education (India) LLP	2.5
45	18251A1755	Shreesha	Wipro	2
46	18251A1754	Sandra Joshna	Cintap India Pvt. Ltd.	3.6

Table B.7.3.1.3.c: List of students placed-CAYm3 2020-2021

2020-21				
S.No.	Roll No.	Name of the Student	Organization Placed in	CTC (in Lakhs)
1	17251A1701	Arava Sri Rathna Mahi	TCS	7
2	17251A1703	Bandi Greeshma	TCS	3.36
3	17251A1705	Sravani Donthi	Accenture	4.5
4	17251A1706	ENSS Anjana	Accenture	4.5
5	17251A1707	Gajawada Prathyusha	Accenture	4.5
6	17251A1710	I. Sai Spandana	Sonata Software	3.5
7	17251A1715	Kruthika Kanduri	Accenture	4.5
8	17251A1718	Lakkaraju Sree Preethi	Accenture	4.5
9	17251A1719	M. Sreya	Infosys	3.6
10	17251A1720	Malikireddy Maanvitha	Deloitte	7.6
11	17251A1721	Narra Hansika	Accenture	4.5
12	17251A1727	Swathi Mengji	Deloitte	7.6
13	17251A1729	Valike Nikitha	Capgemini	3.8
14	17251A1730	Divya Vempati	Accenture	4.5
15	17251A1731	Avancha Sai Padma	TCS	7.6
16	17251A1732	B. Lakshmi Gnanitha	L&T	4
17	17251A1733	Bharani Sripriya Vemula	Accenture	4.5
18	17251A1734	D. Rachitha	Accenture	4.5
19	17251A1737	K. Lakshmi Kiran	TCS	3.36
20	17251A1738	Lakkireddy Tejaswini	Accenture	4.5
21	17251A1740	M Durga Neha Chandana	L&T	4
22	17251A1741	M.Sai Nithya	TCS	3.6
23	17251A1742	Macha Soujanya	Accenture	4.5
24	17251A1743	Mara Vaibhavi	IBM	4.25
25	17251A1744	Minnalla Sai Likhitha	Deloitte	7.6

26	17251A1745	Mohammad Ammara Mahavish	L&T	4
27	17251A1746	N. Harika	Deloitte	7.6
28	17251A1751	Rithika Macherla	BA CONTINUUM PVT LTD	6
29	17251A1754	Sirnam Shruthika	Deloitte	7.6
30	17251A1755	Sravya Patnaik	Accenture	4.5
31	17251A1756	Sreeja kamishetty	TCS	3.36
32	17251A1757	Sunkireddy Sowmya	Accenture	4.5
33	17251A1758	Susarla Alekhya	Accenture	4.5
34	17251A1760	Hima Bindu Talluri	Skerion Renewable Energy pvt.ltd	3.75
35	17251A1728	Neeraja Akhila Thodupunuri	TCS	3.36
36	17251A1752	Karishma Shaik	Capgemini	3.8
37	17251A1747	Shashanka Oruganti	Amazon India	2.54
38	17251A1711	Jukanti Navya	Wipro	3.5
39	18255A1701	Yamini Sanka	VAICS Consulting Pvt. Ltd.	3.5
40	17251A1735	G.Shelcy	Infosys	3



Figure B.7.3.1.3.a: Placement in JP MORGAN CHASE & CO. - 2019-23 batch students



Figure B.7.3.1.3.b: Placement in Deloitte Company - 2019-23 batch students



Figure B.7.3.1.3.c: Placement in Deloitte Company - 2019-23 batch students



Figure B.7.3.1.3.d: Placement in MICRON Company - 2019-23 batch student

• 7.3.2: Improvement in Higher Studies

Students are compelled to pursue further education both in India and Abroad. They are motivated to excel in exams such as GATE, GRE, GMAT, CAT, IELTS etc., in order to secure admissions into prestigious institutions.

i. **Competitive Examinations:** The Table B.7.3.2.a, shows the number of students qualified in various competitive exams, Figure B.7.3.2.a qualified students in competitive exams-comparison chart.

Table B.7.3.2.a: Details of Students Qualifying in Competitive Exams

Name of the Competitive Exam	CAYm1 2022-2023	CAYm2 2021-2022	CAYm3 2020-2021
GATE	1	0	1
CAT	0	1	7
GRE	4	12	0
IELTS	2	4	2

TOEFL	2	1	0
Others	0	1	5
Total	9	19	15

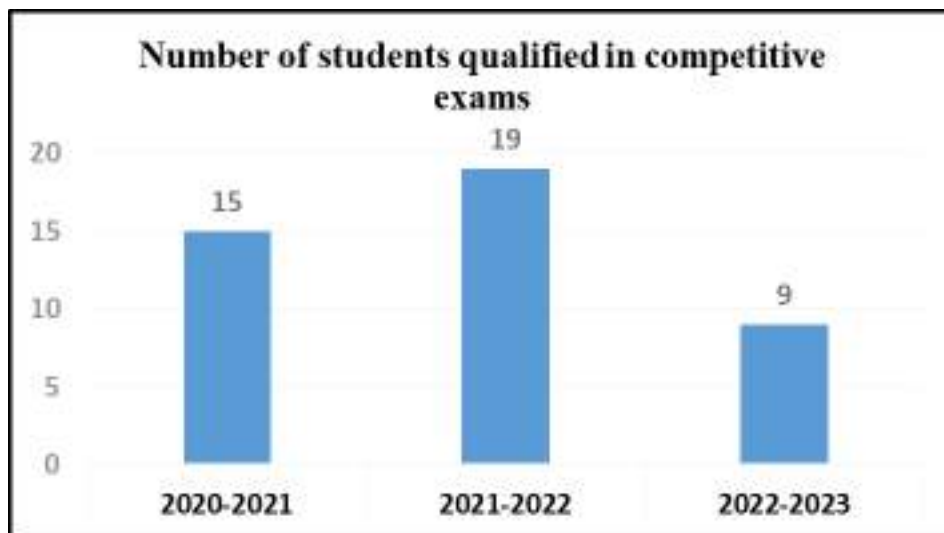


Figure B.7.3.2.a: qualified students in competitive exams-comparison chart

GATE/GRE/GMAT/CAT/TOFE/IELTS:

Table B.7.3.2.b: List of Students with GATE/GRE/GMAT/CAT/TOFE/IELTS/Other Score Cards for Academic Year 2022-2023:

S. No.	Name of the qualifying student	Roll Number	Year of Qualifying	Level of Exam (state/national/international)	Name of competitive examination	SCORE/RANK
1	Hemavalli Indrasena Chilukuri	19251A1714	2022	International	GRE	321
2	Lakshmi Hemaswi Chava	19251A1738	2022	International	GRE	307
3	Noora Raalah	19251A1747	2022	International	GRE	312
4	Bhargavi Kathera	20255A1706	2023	International	GRE	321
5	Srikruthi bodlapati	19251A1706	2023	International	IELTS	6.5
6	Gatti Sai Lalitha	19251A1759	2024	International	IELTS	6.5
7	Noora Raalah	19251A1747	2022	International	TOEFL	104
8	Lakshmi Hemaswi Chava	19251A1738	2022	International	TOEFL	99
9	Noora Raalah	19251A1747	2023	National	GATE	413

Table B.7.3.2.c: List of Students with GATE/GRE/GMAT/CAT/TOFE/IELTS/Other Score Cards for Academic Year 2021-2022:

S. No	Name of the qualifying student	Roll Number	Year of Qualifying	Level of Exam (state/national/international)	Name of competitive examination	SCORE/RANK
1	Thanmayee Yeluri	18251A1760	2021	International	GRE	315
2	Kumudini Gandesiri	19255A1704	2021	International	GRE	314
3	SumeghaNaidu Kota	18251A1744	2022	International	GRE	329
4	Sresta Maryada	18251A1716	2021	International	GRE	324
5	Sai Akshara Naineni	18251A1719	2021	International	GRE	323
6	Nikitha Ninghishetty	18251A1718	2021	International	GRE	323
7	Alekya Seepelly	18251A1725	2021	International	GRE	312
8	G.Gagana Reddy	18251A1737	2021	International	GRE	316
9	Sucharitha Almur	18251A1731	2021	International	GRE	334
10	Phani Bhavana Atluri	18251A1701	2021	International	GRE	326
11	Vinusha Garlapati	18251A1738	2022	International	GRE	326
12	N.Vaishnavi	18251A1747	2022	International	GRE	323
13	Phani Bhavana Atluri	18251A1701	2021	International	IELTS	7.0
14	G.Gagana Reddy	18251A1737	2021	International	IELTS	7.5
15	SumeghaNaidu Kota	18251A1744	2022	International	IELTS	6.5
16	Vinusha Garlapati	18251A1738	2022	International	IELTS	6.5
17	Sucharitha Almur	18251A1731	2021	International	TOEFL	103
18	Korada Prakhya	18251A1712	2021	National	CAT	85.5
19	N.Vaishnavi	18251A1747	2022	International	Duolingo English test	120

Table B.7.3.2.d: List of Students with GATE/GRE/GMAT/CAT/TOFE/IELTS/Other Score Cards for Academic Year 2020-2021:

S.No	Name of the qualifying student	Roll Number	Year of Qualifying	Level of Exam (state/national/international)	Name of competitive examination	SCORE/RANK
1	ENSS Anjana	17251A1706	2021	National	GATE	379
2	G.Bhavya Reddy	17251A1708	2020	International	GRE	317
3	B.Heenisha Reddy	17251A1736	2021	International	GRE	326
4	K.Kruthika	17251A1715	2021	International	GRE	324
5	Pasupuleti Akhila	17251A1723	2021	International	GRE	313
6	T.Neeraja Akhila	17251A1728	2021	International	GRE	320
7	Alekhya Pasupuleti	17251A1748	2021	International	GRE	314
8	Lakshmi Chaitra Pyaddu	17251A1739	2021	International	GRE	327

9	Lakshmi Chaitra Pyaddu	17251A1739	2022	International	IELTS	6.5
10	B.Heenisha Reddy	17251A1736	2021	International	IELTS	7.0
11	Pasupuleti Akhila	17251A1723	2021	International	Duolingo English Test	115
12	Sai reddy Bhavana Reddy	17251A1725	2021	International	Duolingo English Test	120
13	Alekhya Pasupuleti	17251A1748	2021	International	Duolingo English Test	105
14	B.Gnanitha Lakshmi	17251A1732	2020	National	MAT	703.5
15	B.Gnanitha Lakshmi	17251A1732	2021	National	XAT	27.5

ii. **HIGHER STUDIES:** Figure B.7.3.2.a shows the number of students admitted in to higher studies at various colleges or universities

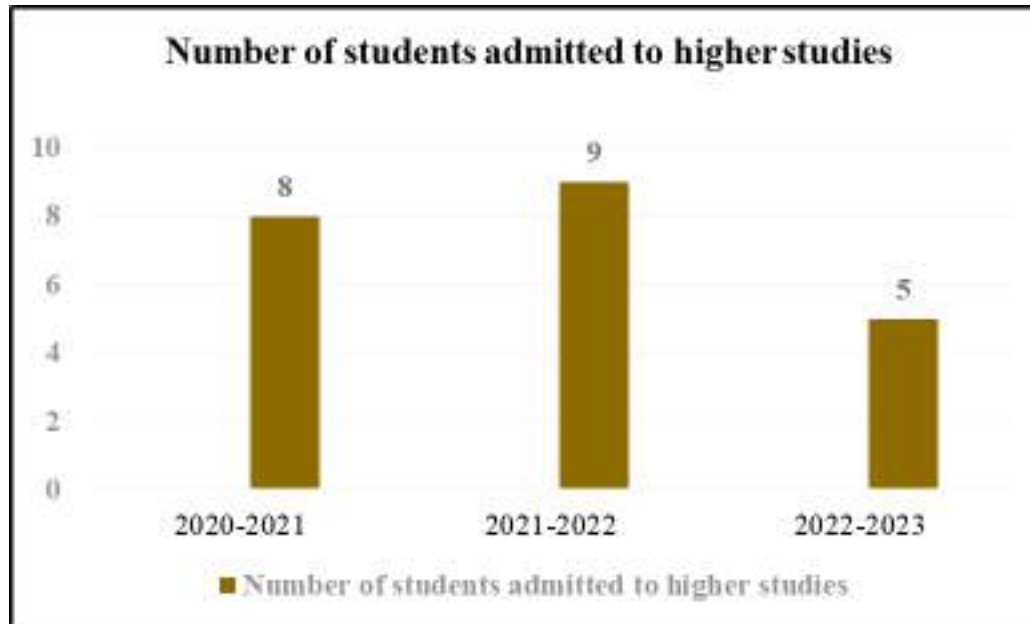


Figure B.7.3.2.b: Students admitted in higher studies

Graph should be increasing

o Note: The process of pursuing Higher Studies for the 2019-23 batch students is ongoing.

Table B.7.3.2.e: List of Students admitted to Higher Studies in the CAYm1 2022-2023

S.No.	Program graduated	Reg.No	Name	Degree	Specialization	Date of Admission	Institution Joined

1	B.Tech, ETE	19251A1714	Hemavalli Indrasena Chilukuri	M.B.A	Masters of Business Administration	Fall 2023	New York Institute of Technology
2	B.Tech, ETE	19251A1737	Karishma	MS	Electrical and Computer Engineering	Spring 2024	SIU Southern Illinois University
3	B.Tech, ETE	19251A1747	Noora Raalah	M.Tech	Medical Device Innovation	27 th July 2023	IIT Hyderabad
4	B.Tech, ETE	20255A1702	Indrani Praharaju	MS	Electrical and Electronics Engineering	18 th Jan 2024	Arizona State University
5	B.Tech, ETE	19251A1706	Srikruthi Bodlapati	MS	Information System	Fall 2024	Central Michigan university

Table B.7.3.2.f: List of Students admitted to Higher Studies in the CAYm2 2021-2022

S. No.	Program graduated	Reg.No	Name	Degree	Specialization	Date of Admission	Institution Joined
1	B.Tech, ETE	18251A1701	Phani Bhavana Atluri	MS	Masters Engineering	07/09/22	North Eastern University
2	B.Tech, ETE	18251A1716	Sresta Maryada	MS	Information Systems and technologies	Spring 2023	University of North Texas
3	B.Tech, ETE	18251A1731	Sucharitha Alamur	MS	Computer Systems Analysis	18/07/22	University of Illinois Spring field
4	B.Tech, ETE	18251A1737	Gundreddy Gagana Reddy	MS	Computer Systems Analysis	18/07/22	University of Illinois Spring field
5	B.Tech, ETE	18251A1760	Thanmayee Yeluri	MS	Computer Information System	Spring 2023	Prairie View A&M University
6	B.Tech, ETE	18251A1704	Banoth Madhavi	M.Tech	Digital Systems	18/10/22	Osmania University, Hyderabad
7	B.Tech, ETE	18251A1739	Yogini Gopireddy	MS	Management Science	14/12/22	University of North Texas
8	B.Tech, ETE	18251A1711	Kotha Ankitha	MS	Computer and Information Sciences	16/01/24	Rivier University
9	B.Tech, ETE	18251A1745	Medarapu Leha	MS	Business Analytics	Fall Sep 2023	Arizona State University

Table B.7.3.2.g: List of Students admitted to Higher Studies in the CAYm3 2020-2021

S.No.	Program graduated	Reg.No	Name	Degree	Specialization	Date of Admission	Institution Joined
1	B.Tech, ETE	17251A1753	Shivangee Dixit	M.Tech	VLSI DESIGN	23/07/ 2021	Vellore Institute of Technology, Vandalur, Tamil Nadu
2	B.Tech, ETE	17251A1723	Pasupuleti Akhila	MS	Information System	11/11/ 2021	Saint Louis University 1 N. Grand Blvd. St. Louis, MO 63103 USA
3	B.Tech, ETE	17251A1725	Sai reddy Bhavana Reddy	MS	Information System	15/11/ 2021	Saint Louis University 1 N. Grand Blvd. St. Louis, MO 63103 USA
4	B.Tech, ETE	17251A1748	Alekhya Pasupuleti	MS	Information System	11/11/ 2021	Saint Louis University 1 N. Grand Blvd. St. Louis, MO 63103 USA
5	B.Tech, ETE	17251A1736	B.Heenisha Reddy	MS	Computer Engineering	17/09/ 2021	The University of Texas at Dallas, 800 W Campbell Rd, Richardson, TX 75080, USA
6	B.Tech, ETE	17251A1722	P.Dheeksha	MS	Computer Science	11/12/ 2021	University of Central Missouri, US
7	B.Tech, ETE	17251A1712	K. Vaishnavi	M.Tech	Wireless and Mobile Communications	29/11/2021	G.Narayanamma Institute of Technology and Science
8	B.Tech, ETE	17251A1710	Sai Spandana	MS	Information System	Fall 2023	Northeastern University College of Engineering

7.4 Improvement in the quality of students admitted to the program (20)

Total Marks 20.00

Institute Marks : 20.00

Item		2023-24	2022-23	2021-22
National Level Entrance Examination JEE	No of students admitted	8	7	10
	Opening Score/Rank	228922	293750	62709
	Closing Score/Rank	693599	595184	582936
State/ University/ Level Entrance Examination/ Others EAMCET	No of students admitted	46	46	47
	Opening Score/Rank	16755	17044	17095
	Closing Score/Rank	36346	32635	62651
Name of the Entrance Examination for Lateral Entry or lateral entry details ECET	No of students admitted	7	7	7
	Opening Score/Rank	2314	5978	3004
	Closing Score/Rank	10160	17126	20077
Average CBSE/Any other board result of admitted students(Physics, Chemistry&Maths)		88.84	89.77	83.44

8 FIRST YEAR ACADEMICS (50)

Total Marks 46.52

8.1 First Year Student-Faculty Ratio (FYSFR) (5)

Total Marks 5.00

Please provide First year faculty information considering load												
Name of the faculty member	PAN No.	Qualification	Date of Receiving Highest Degree	Area of Specialization	Designation	Date of joining	Teaching load (%)			Currently Associated (Yes / No)	Nature Of Association (Regular / Contract)	Date Of leaving(In case Currently Associated is 'No')
							CAY	CAYm1	CAYm2			
Dr. A. ALAKAN	AKKPA5353N	M.Sc. and PhD	30/06/2014	MATERIAL SCIENCE	Associate Professor	22/01/2001	100	100	100	Yes	Regular	
Dr. T CHARAN	AIYPC2141C	M.Sc. and PhD	28/11/1998	PHYSICAL CHEMISTRY	Associate Professor	07/08/2009	100	100	100	Yes	Regular	
Dr.G.RajKumar	BSAPG9742E	M.Sc. and PhD	23/10/2012	Nonlinear Optics	Assistant Professor	16/02/2024	100	0	0	Yes	Regular	
Dr. S. UDAY BI	AXXPS9034L	M.Sc. and PhD	12/05/2016	material science	Associate Professor	01/07/2009	100	100	100	Yes	Regular	
Dr. SHOBHAR.	BGGPP0205D	M.Sc. and PhD	03/08/1996	Physical Chemistry	Assistant Professor	06/06/2016	0	0	100	No	Regular	31/10/2022
CH. ARATHI	AJMPC8863C	M.Sc	01/05/2009	Solid State Physics	Assistant Professor	01/06/2016	100	100	100	Yes	Regular	
Dr. PRAGATHI	AICPJ6816D	M.Sc. and PhD	29/11/2012	INORGANIC CHEMISTRY	Assistant Professor	02/12/2020	100	100	100	Yes	Regular	
Dr. D. SANJAY	BRYPD9763P	M.Sc. and PhD	01/12/2012	Material Science	Assistant Professor	02/12/2020	0	0	100	No	Regular	24/04/2022
B.Rakesh Gou	AWSPB1491L	M.Sc	01/06/2009	Industrial Chemistry	Assistant Professor	01/07/2015	100	100	100	Yes	Regular	
B. MRINALINI	CMDPB4530K	M.Sc	18/06/2018	ORGANIC CHEMISTRY	Assistant Professor	02/12/2020	100	100	100	Yes	Regular	
Dr. R. NARENI	AHGPR5279M	M.Sc. and PhD	17/04/2004	organic chemistry	Assistant Professor	18/04/2022	0	100	100	No	Regular	12/09/2023
Dr. Y. VEERAS	ACLPY4900G	M.Sc. and PhD	26/10/2018	METAL OXIDE THIN FILMS	Assistant Professor	26/03/2022	100	100	100	Yes	Regular	
Dr. MEDHA BH	BYRPB7832H	M.Sc. and PhD	07/06/2021	SOLAR ENERGY NANOMATERIALS	Assistant Professor	07/04/2022	100	100	100	Yes	Regular	
M.V.Ramana R	AFRPV7090M	M.E/M.Tech	01/03/2001	Industrial Engineering	Associate Professor	19/11/1997	100	100	100	Yes	Regular	
Dr. G.P. Prasac	AENPP0625B	ME/M. Tech and PhD	01/03/2012	Quality Assurance	Professor	01/09/1998	100	100	100	Yes	Regular	
Dr. S.M.SWAM	BMRPS7766P	ME/M. Tech and PhD	01/09/2017	Thermal Engineering	Associate Professor	01/11/2004	100	100	100	Yes	Regular	
S.N.Sarveswar	BJEPS5185C	M.E/M.Tech	01/06/2006	Energy Systems	Assistant Professor	18/07/2011	100	100	100	Yes	Regular	
N. Hiranmai	AGYPH6726Q	M.E/M.Tech	01/09/2015	Thermal Engineering	Assistant Professor	01/09/2015	100	100	100	Yes	Regular	

M. Yashwanth	AOYPM6960M	M.E/M.Tech	01/06/2015	Production Engineering	Assistant Professor	18/01/2020	100	100	100	Yes	Regular	
P.M.S. Hallika	AFJPH4059N	M.E/M.Tech	18/10/2014	Climate Science and Technology	Assistant Professor	03/12/2020	100	100	100	Yes	Regular	
D. Niharika	CKVPD0033R	M.E/M.Tech	01/01/2019	Advanced IC Engines	Assistant Professor	08/07/2019	100	100	100	Yes	Regular	
K. Naresh	CQPPK2160Q	M.E/M.Tech	01/02/2016	CAD AND CAM	Assistant Professor	04/11/2022	100	100	100	Yes	Regular	
Dr.P.Aparna	AHXPP2411J	M.A and Ph.D	01/10/2004	COMPARITIVE LITERATURE	Professor	01/12/1997	100	100	100	Yes	Regular	
V. Jahnvi	AIFPJ3354F	MBA	01/02/2009	ELT COMUNICATION SKILLS BUSINESS COMMUNICATION	Assistant Professor	04/12/2001	100	100	100	Yes	Regular	
Dr. M.Madhavi	ANTPM7723J	M.Sc. and PhD	01/11/2012	OPERATION RESEARCH INVENTORY MODELS	Associate Professor	07/06/2001	100	100	100	Yes	Regular	
Dr.M.Aparna	AJYPA2337D	M.Sc. and PhD	01/11/2006	cOMPLEX Analysis	Associate Professor	26/08/2002	100	100	100	Yes	Regular	
Dr. NVSL. Narz	ADDPN0106A	M.Sc. and PhD	28/04/2009	Mathematical Model	Associate Professor	19/09/2005	100	100	100	Yes	Regular	
Dr.S. Vasundh	AVRPS6883K	M.Sc. and PhD	10/09/2014	ELLIPTIC CURVE CRYPTOGRAPHY	Assistant Professor	21/09/2005	100	100	100	Yes	Regular	
V. Beulah Sanç	AENPV1501N	MA	19/08/1996	eNGLISH IITERATURE	Assistant Professor	06/10/2006	100	100	100	Yes	Regular	
Dr. B.Sushma	BDMPS0720B	M.A and Ph.D	27/10/2011	Indian Diasporic Fiction	Associate Professor	05/11/2007	100	100	100	Yes	Regular	
K. Keshav Kur	AVGPK3070M	M.E/M.Tech	01/10/2004	Optimization Techniques and Metaheuristic Algorithms	Assistant Professor	18/09/2009	100	100	100	Yes	Regular	
Anupama Vent	ANGPV0109G	MA	01/09/2005	ELTSoft skills	Assistant Professor	27/05/2017	100	100	100	Yes	Regular	
B Hima Bala	ALDPB9431C	MA	01/05/2000	English language Teaching Soft skills	Assistant Professor	07/01/2020	100	100	100	Yes	Regular	
Dr. K. Mrudula	AZNPM6940P	M.Sc. and PhD	01/05/2019	Fuzzy clustering Algorithms in Machine Learning	Assistant Professor	07/12/2020	100	100	100	Yes	Regular	
Mrs. R. Elizabe	AQIPR8430R	MA	01/05/1995	English Literature	Assistant Professor	05/05/2021	100	100	100	Yes	Regular	
Dr. Neeli Rame	ALQPN7192K	M.A and Ph.D	25/07/2020	English Language Teaching	Assistant Professor	04/06/2021	100	100	100	Yes	Regular	
Dr. R. LAKSHM	ASNPP2680E	M.Sc. and PhD	01/01/2018	Integral TransformsGraph Theorey Complex Analysis Machine LearningData analytic	Assistant Professor	04/04/2022	100	100	0	Yes	Regular	

Aswani R Jeev	BIJPJ1562Q	MA	01/06/2017	Postcolonialism Tribal Literature Gender Studies	Assistant Professor	09/05/2022	100	100	100	Yes	Regular	
N GAYATHRI	BADPN6196A	M.Sc	01/06/2015	Mathematics	Assistant Professor	31/10/2022	100	100	0	Yes	Regular	
DONGALA SW	BDKPD2200B	M.Sc	01/04/2006	Mathematics	Assistant Professor	03/11/2022	100	100	0	Yes	Regular	
I. PREM KUMAR	ABCP11466M	MA	01/04/2003	English literature	Assistant Professor	15/02/2024	100	0	0	Yes	Regular	
P.Naveen	AONPP0809F	M.Sc	01/08/2003	MATHEMATICS	Assistant Professor	20/09/2005	0	0	100	No	Regular	29/07/2022
M.Shivaram Pr	AXPPM1732M	MA	01/04/2002	English literature	Assistant Professor	01/02/2019	0	0	100	No	Regular	30/03/2022
DR. V PAVAN I	AMSPV9864B	M.Sc. and PhD	15/11/2022	statistics	Assistant Professor	01/09/2023	100	0	0	Yes	Regular	
Mrs. E. Pranav	AAWPE9081F	MBA	01/05/2008	Finance HR	Assistant Professor	08/09/2021	100	100	100	Yes	Regular	
Dr. AREMAN R	BEQPA4009A	MBA & Ph.D	07/01/2022	Human Resource and Finance	Assistant Professor	24/03/2022	100	100	0	Yes	Regular	
DR. HEMA NE	AGLPH4330F	MBA & Ph.D	10/12/2021	Finance	Assistant Professor	31/07/2023	100	0	0	Yes	Regular	
DR. ANURADH	ADUPT5005B	M.A and Ph.D	03/11/2004	Philosophy	Assistant Professor	17/08/2023	100	0	0	Yes	Regular	
DR. B. RAJESH	AKPPB2090Q	MBA & Ph.D	07/10/2021	Marketing HR	Assistant Professor	11/09/2023	100	0	0	Yes	Regular	
Smitha Mahind	AMXPM3105H	MBA	01/12/2009	Finance	Assistant Professor	09/07/2018	100	100	100	Yes	Regular	
J Mamatha	BNJPJ7266A	MBA	01/05/2017	Finance HR	Assistant Professor	02/12/2020	100	100	100	Yes	Regular	
Dr. T. Malathi L	AESPT9653E	MBA & Ph.D	15/12/2023	HRM	Assistant Professor	02/01/2012	100	100	100	Yes	Regular	
Dr. V. Vijaya Le	AEIPV6666D	MBA & Ph.D	02/03/2022	Finance HRM	Assistant Professor	13/12/2003	100	100	100	Yes	Regular	
Dr. P. Rekha	AGUPP1462D	M.Com & Ph.D	15/07/2010	E Commerce	Assistant Professor	08/10/1998	100	100	100	Yes	Regular	
A Sreedhar	ARTPA3623R	M.Sc	01/05/2008	Mathematics	Assistant Professor	01/07/2019	0	0	100	No	Regular	29/01/2022
K.SRIDEVI	BNOPK5845H	M.E/M.Tech	01/11/2012	CSE	Assistant Professor	05/07/2013	100	100	100	Yes	Regular	
CH.SRAVATHI	AKKPC8427H	M.E/M.Tech	01/11/2012	CSE	Assistant Professor	25/06/2012	100	100	100	Yes	Regular	
S.Bhulakshmi	FCPPB5532J	M.E/M.Tech	04/10/2021	Power Electronics and Electric Drives	Assistant Professor	31/03/2022	100	100	0	Yes	Regular	

K.SNEHA RED	CAWPK7397A	M.E/M.Tech	28/12/2016	CSE	Assistant Professor	16/01/2017	100	100	100	Yes	Regular	
B.Abhinethri	DELPB5243E	M.E/M.Tech	03/08/2016	Electrical Power Systems	Assistant Professor	01/08/2022	100	100	0	Yes	Regular	
S.Chaitanya	EGOPS4010N	M.E/M.Tech	15/09/2014	Power Electronics and Electric Drives	Assistant Professor	15/05/2023	100	0	0	Yes	Regular	
T.ANIL	ARVPT9636M	M.E/M.Tech	16/11/2016	CSE	Assistant Professor	05/01/2017	0	100	100	No	Regular	11/10/2023
D.ANUSHA	ATWPD2286N	M.E/M.Tech	17/11/2014	CSE	Assistant Professor	22/03/2022	100	100	0	Yes	Regular	
K.V.Soumya	DAIPS6825L	M.E/M.Tech	05/05/2014	Power Electronics and Electric Drives	Assistant Professor	01/02/2017	0	100	100	Yes	Regular	
Dr. B. SASIDH.	AODPB4330F	ME/M. Tech and PhD	21/09/2017	MEDICAL IMAGE PROCESSING	Assistant Professor	10/08/2021	0	0	100	Yes	Regular	
N. DIVYA	AZVPD8496P	M.E/M.Tech	12/05/2014	CSE	Assistant Professor	08/06/2014	100	100	100	Yes	Regular	
Dr. M. Nagasre	AICPM3659H	M.Sc. and PhD	01/10/2020	OPERATION RESEARCH	Assistant Professor	20/11/1997	100	100	100	Yes	Regular	
ARYA MOHAN	IKNPM8455G	MA	01/08/2021	English literature	Assistant Professor	19/06/2023	100	100	0	No	Regular	29/02/2024
Dr. B.R Lakshn	AMWPL8932A	M.A and Ph.D	01/02/2022	Indian Diaspora Writings	Assistant Professor	11/01/2016	100	100	100	Yes	Regular	
D. Soujanya	CLBPD5088F	M.E/M.Tech	31/12/2018	CSE	Assistant Professor	01/07/2013	0	100	100	No	Regular	30/06/2023
P.MOUNIKA	DCBPP8792L	M.E/M.Tech	07/09/2016	CSE	Assistant Professor	03/08/2021	100	100	100	Yes	Regular	
Gunishetty Sur	BGIPG4532Q	M.E/M.Tech	01/05/2017	Design Engineering	Assistant Professor	15/03/2024	100	0	0	Yes	Regular	
Dr.K.Eshwari	ACIPE4828N	M.Sc. and PhD	31/12/2016	Inorganic Chemistry	Assistant Professor	15/04/2023	100	100	0	Yes	Regular	
Dr. I. RADHIKA	AAVPI3845C	M.Sc. and PhD	20/08/2020	Gas hydrates	Assistant Professor	01/08/2009	100	100	100	Yes	Regular	
M. SREEVALL	BXNPM5924N	M.Sc	03/04/2007	SOLID STATE PHYSICS	Assistant Professor	08/08/2009	100	100	100	Yes	Regular	
S. RAMA KRIS	BMJPS8970D	M.Sc	03/05/2010	SOLID STATE PHYSICS	Assistant Professor	01/06/2016	100	100	100	Yes	Regular	
T.V.RAM MOH.	ALBPR9823N	MBA	01/12/2009	HUMAN RESOURCE MANAGEMENT	Associate Professor	01/06/1997	100	100	100	Yes	Regular	
P.V.ASHA LATI	ARJPK2597A	MA	01/05/1995	ELT	Assistant Professor	28/05/2021	0	100	100	No	Regular	31/05/2023
O.Sujana	ABHPO5695F	M.Sc	04/03/2008	Organic Chemistry	Assistant Professor	03/08/2009	100	100	100	Yes	Regular	

PVSSA. PARIM	BACCP8366H	M.E/M.Tech	09/11/2013	POWER ELECTRONICS	Assistant Professor	19/02/2018	100	100	100	Yes	Regular	
P. TEJASWI	BJVPP8970R	M.E/M.Tech	02/03/2013	HIGH VOLTAGE ENGINEERING	Assistant Professor	23/06/2014	0	0	100	No	Regular	30/11/2022
CH. LEELA KR	APSPC7551H	M.E/M.Tech	09/11/2013	ELECTRICAL POWER ENGINEERING	Assistant Professor	30/04/2015	0	0	100	Yes	Regular	
A. LEELA KUM	ADFPL2485E	M.E/M.Tech	21/04/2017	CSE	Assistant Professor	01/10/2022	100	0	0	Yes	Regular	
Dr.Moumita	AVUPC9148A	M.Sc. and PhD	02/08/2021	Coordination and Bio Organic Chemistry	Assistant Professor	17/02/2024	100	0	0	Yes	Regular	
Dr.Sreekanth C	EALPS0359R	M.Sc. and PhD	23/12/2023	ORGANIC CHEMISTRY	Assistant Professor	16/02/2024	100	0	0	Yes	Regular	
Dr.K.Syamala I	ANQPK3486R	M.Sc. and PhD	23/06/2017	Solid Waste Management	Associate Professor	23/06/2006	100	100	100	Yes	Regular	
Dr.M.Shanti	BBIPM8341L	M.Sc. and PhD	30/12/2023	Physico Organic Chemistry	Assistant Professor	03/08/2009	100	100	100	Yes	Regular	
M. JYOTHI	AVDPM5710D	M.E/M.Tech	04/07/2014	CSE	Assistant Professor	01/10/2022	100	100	0	Yes	Regular	

Year	Number Of Students(approved intake strength) N	Number of Faculty members(considering fractional load) F	FYSFR (N/F)	*Assessment=(5*20)/FYSFR(Limited to Max.5)
2021-22(CAYm2)	905	67	13	5
2022-23(CAYm1)	895	69	13	5
2023-24(CAY)	968	75	13	5
Average	922	70	13	5
AverageFYSFR: 0.00				
Assessment [(5 * 15) / AverageFYSFR]: 5.00				

8.2 Qualification of Faculty Teaching First Year Common Courses (5)

Total Marks 4.33

Institute Marks : 4.33

Year	x (Number Of Regular Faculty with Ph.D)	y (Number Of Regular Faculty with Post graduate Qualification)	RF (Number Of Faculty Members required as per SFR of 20:1)	Assessment Of Faculty Qualification [(5x + 3y) / RF]
2021-22	20	31	45	4.00
2022-23	25	32	44	5.00
2023-24	27	32	48	4.00

Average Assessment: 4.33

8.3 First Year Academic Performance (10)

Total Marks 7.19

Institute Marks : 7.19

Academic Performance	CAYm1(2022-23)	CAYm2(2021-22)	CAYm3 (2020-21)
Mean of CGPA or mean percentage of all successful students(X)	7.85	7.35	6.37
Total Number of successful students(Y)	63.00	65.00	55.00
Total Number of students appeared in the examination(Z)	63.00	65.00	55.00
API [X*(Y/Z)]	7.85	7.35	6.37

Average API[(AP1+AP2+AP3)/3] : 7.19

Assessment = Average API : 7.19

8.4 Attainment of Course Outcomes of first year courses (10)

Total Marks 10.00

8.4.1 Describe the assessment processes used to gather the data upon which the evaluation of Course Outcomes of first year is done (5)

Institute Marks : 5.00

Course Level Assessment process:

The attainment of Course Outcomes is based on the following assessment and evaluation processes:

A. List of Assessment Tools used for CO Attainment:**1. Assignments:**

Practice assignments are given to the students during the course in order to improve their conceptual knowledge, which involves application of the theoretical concepts in solving various problem-oriented questions. These will contribute to the assessment of students' abilities in applying fundamental concepts and to look into their quantitative, numerical and analytical skills.

2. Viva-Voce:

Several processes like seminars, case study, poster presentation, projects and asking viva questions related to every subject are conducted to assess the conceptual as well as experiential and practical knowledge of the students in the concerned subjects.

3. Examinations (Internal and Semester End):

The performance of a student in each semester is evaluated course-wise with a maximum of 100 marks for Theory courses (40 marks for Continuous Internal Evaluation(CIE) and 60 marks for semester end examination(SEE)) and 100 marks for Practical courses (40 marks for Continuous Internal Evaluation(CIE) and 60 marks for semester end examination(SEE)). For each course, two internal examinations and one semester end examination will be conducted.

a. Continuous Internal Evaluation(CIE):

The internal examinations are conducted for 40 marks. The distribution of marks and evaluation process are explained below.

I. Assignment: (5M)

Two assignments each for 5 marks will be considered. The first assignment should be submitted before the conduct of first mid and second assignment should be submitted before conduct of second mid. These assignment marks are added to internal marks.

II. Internal (Mid-term) examination: (30M)

Two internal examinations will be conducted each for 30 marks. The first internal examination will be conducted from 50 % of the syllabus and the second internal examination for the remaining 50 % of the syllabus. Each Internal examination consists of Part-A (Objective Type) for 10 marks and Part-B (Subjective Type) for 20 marks with duration of 2 hours. The Objective section may be set with very short answer questions. Subjective part contains 6 questions of which student have to answer any 4 questions of 5 marks each. The average of two internal marks for 35 is considered.

III. Viva-Voce: (5M)

5 marks are allocated for - Viva voce/Poster Presentation/Case study on a topic in the concerned subject. Assessment in the subject concerned shall be carried out before the commencement of II Mid Examinations

Sum of these three components of marks – (i) Average of two Mid-term examinations for 35 marks (ii) Assessment for the subject Viva-voce/Poster presentation / case study for 5 marks shall be final marks secured towards CIE for 40 Marks.

b. Semester End Examinations(SEE):

The semester end examinations are conducted for 60 marks. The question paper consists of Part-A for 10 marks and Part-B for 50 marks. Part-A comprises 10 very short answer questions carrying 1 mark each. All the questions of Part-A are mandatory. In Part-B, 5 long answer questions will be given one from each unit carrying 10 marks, each having internal choice of 2 questions out of which one question must be answered.

4. Evaluation of Laboratory Courses:

The laboratory courses are evaluated continuously throughout the semester for assessment. The evaluation is done with 40 marks for Continuous Internal Evaluation(CIE) and Semester End Examination (SEE) for 60 marks. Continuous Internal Evaluation for lab courses during the semester is for 40 marks. Out of 40 marks, day to day assessment of the lab work shall be judged for 20 marks. This marks are divided into 4 categories each 5 marks for Observation, attendance, performance, Viva-voce. One internal lab exam is

conducted for 20 marks out of which 10 marks are allocated for viva-voce. The semester end practical examination will be conducted in the presence of external examiner appointed by the Head of the Department.

The frequency at which the above evaluations are done is listed in Table given below.

Assessment Tools and Frequency of Evaluation

Assessment Mode	Type of Course Component	Assessment Tools	Frequency	Evaluation
Direct	Theory Courses	Assignment	Twice in a semester	Theory Courses Viva – 05 M
		Viva voce/Poster Presentation/Case-Study	Once in a semester before second Mid	Subjective – 30 M
		Mid-Term Examination	Twice in a semester.	Assignment – 05 M
		Semester End Examination	Once in a Semester	Total = 40 M SEE 60 Marks Total 100 Marks
	Laboratory Courses	Continuous Internal Evaluation	Continuous	Day to Day Evaluation – 20 M <i>(Observation – 05 M)</i>
		Record	Continuous	<i>Record – 05 M</i>
		Internal Practical Examination	Once in a Semester	<i>Experiment – 05 M</i> <i>Viva – 05 M)</i>
		Semester End Examination	Once in a Semester	Internal Exam - 20 M Semester End Exam 60 M Total Lab - 100 M
Indirect	Theory and laboratory Courses	Course end Survey	Once in a Semester	Survey Form

The Grading System:

Marks will be awarded to indicate the performance of each student in each Theory course and Laboratory Course based on the percentage of marks obtained in CIE + SEE (Continuous Internal Evaluation + Semester End Examination, both taken together), and a corresponding Letter Grade will be given.

As a measure of the student's performance, a 10-point Absolute Grading System is followed according to the Table :

Grading System (GNR-22 Regulations)

% of Marks Secured (Class Intervals)	Grade	Grade Points
>=90%	O (Outstanding)	10
>=80% and < 90%	A+ (Excellent)	9
>=70% and < 80%	A (Very Good)	8
>=60% and < 70%	B+ (Good)	7
>=50% and <60%	B (Above Average)	6
>=40 and <50%	C (Average)	5

8.4.2 Record the attainment of Course Outcomes of all first year courses (5)

Institute Marks : 5.00

I B.Tech – I Sem – Course Attainments

Course code	Name of the Course	COs	Cos description	SEE	CIE	Direct Attainment	Indirect Attainment	Total
121AG	LINEAR ALGEBRA AND MULTIVARIABLE CALCULUS	CO 1	Solve and analyse the solution for the system of equations	77.78	87.5	3	2.97	2.99
		CO 2	Compute the Eigen values and Eigen vectors which come across under linear transformations	47.62	75	1	2.45	1.29
		CO 3	Determine the extreme values of functions of two variables with/without constraints	88.54	82.81	3	2.81	2.96
		CO 4	Find the solutions of ordinary differential equations .	69.84	68.75	2	2.23	2.05
		CO 5	Evaluate double and triple integrals	84.13	57.81	3	2.33	2.87
		CO 6	Apply the knowledge of mathematics for real solutions	73.02	0	0	1	0.20

121AH	PROGRAMMING FOR PROBLEM SOLVING	CO 1	Relate various computing environments and formulate solutions to problems using algorithms and flowcharts.	90.48	75	3	1	2.60
		CO 2	Understand data types and control structures to solve problems.	100	84.37	3	2.97	2.99
		CO 3	Divide a problem into functions and synthesize a complete program.	92.06	85.15	3	2.97	2.99
		CO 4	Use arrays, pointers and strings to formulate programs.	100	69.35	3	2.48	2.9
		CO 5	Apply user defined data types to model real world data.	98.41	82.53	3	1	2.60
		CO 6	Develop solutions to problems using file-handling functions.	93.65	77.77	3	1	2.6

121AA	APPLIED CHEMISTRY	CO 1	The concepts to identify and analyse the hardness of water and its softening techniques in industry and daily usage	95.31	90.62	3	2.91	2.98
		CO 2	The working principles of batteries and their applications in automobile field, corrosion and its prevention.	93.75	65.62	3	2.38	2.88
		CO 3	The concepts of various types of polymers, conducting polymers, biodegradable polymers and their applications in industrial and medical fields.	89.06	62.5	3	1.77	2.75
		CO 4	Different types of energy sources and their applications in various engineering fields	95.31	79.68	3	2.86	2.97

		CO 5	The usage and applications of various types of cements, lubricants and refractories in engineering field.	92.19	75.81	3	2.20	2.84
		CO 6	The potential applications of chemistry in practical utility to become good engineers and entrepreneurs.	0	0	0	1.34	0.27

121AB	APPLIED PHYSICS	CO 1	Explain the quantum mechanical aspects in physics and apply the same in differentiating the conducting properties of solids	92.19	89.06	3	2.92	2.98
		CO 2	Asses and modify the carrier concentration of different types of semiconductors and also be able to understand the working of semiconducting devices.	95.31	81.25	3	2.78	2.96
		CO 3	Choose materials on the basis of their electric and magnetic behaviour for different engineering applications	95.31	51.56	3	2.02	2.80
		CO 4	Differentiate different types of Lasers, optical fibers and realize their application in engineering fields	96.88	78.12	3	2.70	2.94

		CO 5	Appreciate the importance of nano materials and their applicability in modern engineering applications	98.44	81.25	3	2.91	2.98
--	--	---------	---	-------	-------	---	------	------

121AF	ENGLISH FOR SKILL ENHANCEMENT	CO 1	Understand the importance of vocabulary and sentence structures	46.88	62.5	1	2.70	1.34
		CO 2	Choose appropriate vocabulary and sentence structures for their oral and written communication	82.81	91.40	3	2.95	2.99
		CO 3	Demonstrate their understanding of the rules of functional grammar.	89.06	67.98	3	2.84	2.97
		CO 4	Develop comprehension skills from the known and unknown passages	100	75.78	3	2.97	2.99
		CO 5	Take an active part in drafting paragraphs, letters, essays, abstracts, précis and reports in various contexts	96.88	82.81	3	2.92	2.98
		CO 6	Acquire basic proficiency in reading and writing modules of English	54.69	65.62	1	2.28	1.26

I B.Tech – II Sem – Course Attainments

Course code	Name of the Course	COs	Cos description	SEE	CIE	Direct Attainment	Indirect Attainment	Total
122AK	NUMERICAL TECHNIQUES AND TRANSFORM CALCULUS	CO 1	Find the root of the algebraic and transcendental equation and solution of a linear system of equations	77.78	96.03	3	3	3
		CO 2	Fit a curve for the given data	47.62	90.47	2	2.87	2.17
		CO 3	Find the Numerical solutions for a given first order initial value problem and evaluate definite integral numerically	80.95	90.47	3	2.84	2.97
		CO 4	Learn Laplace Transform techniques and apply for solving ODE	69.84	55.55	2	1.87	1.97
		CO 5	Understand the concepts of Gradient, Divergence and Curl of a Vector and scalar point functions	84.13	92.06	3	2.95	2.99
		CO 6	Evaluate the line, surface and volume integrals	73.02	76.19	3	2.78	2.96

122AJ	DATA STRUCTURES	CO 1	Determine and analyze the complexity of given algorithms	80.95	87.30	3	2.95	2.99
		CO 2	Use basic data structures such as linked list, stack and queue	96.83	77.77	3	2.86	2.97
		CO 3	Implement various kinds of searching and sorting techniques	95.24	76.19	3	1	2.60
		CO 4	Design programs using advanced data structures like hash tables, binary trees, heaps and graphs	100	78.57	3	2.95	2.99
		CO 5	Build and compare search trees and balanced search trees	96.83	85.71	3	2.94	2.99
		CO 6	Choose appropriate data structures as applied to specified problem definition	0	82.53	0	2.65	0.53

121AC	BASICS ELECTRICAL ENGINEERING	CO-1	Explain and analyze the magnetic and electric circuits	90.48	71.42	3	2.83	2.97
		CO-2	Analyze the basic circuits with application of Network Reduction Techniques and Network Theorems	90.48	95.23	3	3	3
		CO-3	Demonstrate the working principles of DC Electrical machines	93.65	93.65	3	1	2.60
		CO-4	Demonstrate the working principles of transformers and various AC Machines	88.89	84.12	3	2.87	2.97
		CO-5	Explain and analyze the magnetic and electric circuits	100	90.47	3	2.98	3.0
		CO-6	Analyze the basic circuits with application of Network Reduction Techniques and Network Theorems	0	0	0	1	0.2

121AD	DESIGN THINKING	CO 1	Understand the importance of various phases of Design Thinking	100	92.06	3	3	3
		CO 2	Empathize with the customers and formulate specific problem statement	98.41	79.36	3	2.84	2.97
		CO 3	Generate an idea through ideation techniques	98.41	85.71	3	2.94	2.99
		CO 4	Understand various prototyping methods and Iterate solutions	100	90.47	3	2.98	3
		CO 5	Understand innovation, and application of design thinking in various sectors	100	88.88	3	3	3

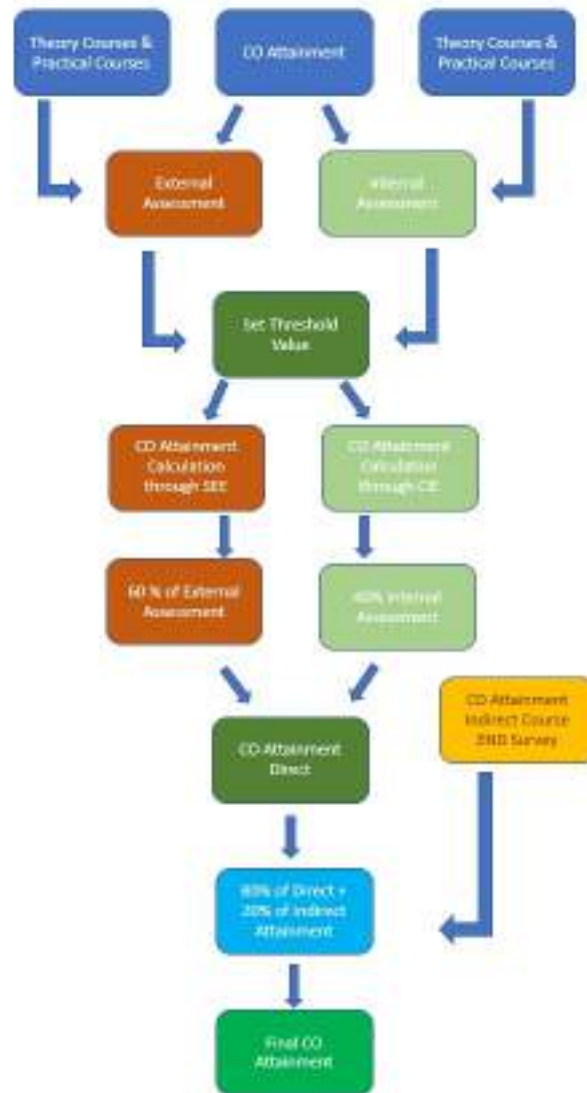
121AE	ENGINEERING GRAPHICS	CO 1	Acquire proficiency in instrumental drawing and will be able to visualize the object, draw conic sections and cycloidal curves	73.02	88.88	3	2.97	2.99
		CO 2	Draw and understand about orthographic projections of points, straight lines.	73.02	60.31	2	2.84	2.17
		CO 3	Improve visualization skills in different types of planes and solids.	79.37	73.01	3	2.62	2.92
		CO 4	Draw and understand about the development of surfaces of various solids	76.19	69.84	3	2.97	2.99
		CO 5	Ability to read, understand and interpret engineering drawings	77.78	79.36	3	2.86	2.97
		CO 6	Apply computer aided drafting tools to create objects	0	0	0	1	0.2

Process of Computing the Attainments:

Once the Course Outcomes are defined and are finalized for all courses of all programmes, they are assessed through various measurement tools and techniques. These tools are helpful to obtain the level of attainment of each Course Outcome (CO). For each course the faculty handling the course is deputed as the Course Coordinator. The senior faculty who is experienced in the related subjects is identified as Module Coordinator. The Department Assessment Committee (DAC) along with HOD and Module Coordinator will review the attainment of the courses.

Each Course is defined with 6 Outcomes. The CO attainment for a particular course is obtained by **80% of Direct CO Attainment (Internal and Semester End Examinations) and 20% of Indirect CO Attainment (Course End Survey).**

The Course Attainment for all the courses will be calculated including theory courses, laboratory courses. The detailed process of course Attainment calculation is explained in the Figure given below.



Measuring CO Attainment for Theory Courses:

Measuring CO attainment through Internal Examinations (Direct Assessment)

For example, the questions of Internal Examination-1 may relate to CO1, CO2 CO3 and CO4 and the questions of Internal Examination-2 may relate to CO4, CO5 and CO6. CO attainment is evaluated based on the questions that correspond to a particular CO. Each CO attainment evaluation is done by computing the average of the marks obtained by all the students for the questions that mapped to the corresponding CO.

For example Q1(a), Q1(c), Q1(d) of Part –A, Q.2, Q.3B of Part-B correspond to CO1.

To compute the average attainment of CO1, the percentage of marks obtained by each student for CO1 is calculated.

The percentage of attainment for each question is calculated for all the students in the class which is obtained by the formula:

Percentage of attainment (Question wise) = $B / A * 100$

Where A= Class Strength * Maximum marks for each question,

B = Marks scored by all students for each question.

The same process is done for each question addressing CO1.

Now, For CO1,

Percentage of the average value of CO1 (threshold for CO1) is calculated by

(Total B/ Total A) *100*0.7

Total B= Total marks obtained by all the students for the questions of CO1

Total A= Total maximum marks of all the questions of CO1

The value 0.7 is considered by simplifying 35/45 where the student has to answer for 35 marks out of 45 marks of question paper for internal exam.

Next, the number of students above the threshold value is taken and also the percentage of students above the threshold value for CO1 is calculated.

Similar process is done for other COs of Internal Examination-1 question paper.

The average value for all the course outcomes for two internal exams in a semester is calculated.

The attainment level is to be noted depending on the obtained average value as follows:

If the average CO attainment percentage falls under any one of the following category, then the attainment level is considered as shown:

Attainment Level is 0: if **less than 50%** of students score more than threshold value

Attainment Level is 1: if **50% to 59%** of students score more than threshold value,

Attainment Level is 2: if **60% to 69%** of students scoring more than the threshold value

Attainment Level is 3: if **greater than or equal to 70%** of students score more than the threshold

Value

Measuring CO attainment for Semester End Examinations (Direct Assessment):

For calculating CO attainment for semester end (external) examinations, the same process is followed as internal examinations. The CO-wise attainment is calculated even for semester examinations by considering the threshold value for each course outcome. The threshold value for each Course Outcome is fixed by the programme assessment committee, for example 60% of the total marks allotted for all the questions belong to a particular Course Outcome.

For example, for CO1,

Threshold is fixed and normalized as 60% of the marks * 0.5. The value 0.5 is considered by simplifying 60/120 where the student has to answer for 60 marks out of 120 marks of question paper for semester end examination. This process is adopted as all the students are considered irrespective of the students attempted the questions or not attempted the questions; in finding the number of students crossed the threshold value.

Measuring CO Attainment through Course End Survey (Indirect Assessment):

The course end survey is done for each course by collecting the students' opinion related to course outcomes through ratings for the questionnaire provided. The questionnaire is prepared related to course outcomes to know about the abilities of the students in achieving the course outcomes. The ratings will be as follows:

3- Strong 2- Moderate 1- Weak

The average of ratings for each course outcome is calculated. This is the indirect attainment for course end survey of each course outcome.

Measuring Final CO attainment for each Course:

The Final CO wise attainment is calculated by considering the 80% of CO-wise Direct Attainment and 20% of CO-wise Indirect Attainment. The average attainment of each course outcome attainment is considered as **Final Course Attainment** for a course.

2. Measuring CO Attainment for Laboratory Courses:

The CO Attainment for Laboratory Courses is calculated by 80% of Direct Assessment and 20% of Indirect Assessment. Direct Assessment is done through 40% of Internal Assessment and 60% External Assessment. Indirect Assessment is done through course end survey at the end of semester.

Procedure for calculating CO Attainment for Laboratory Courses (Direct Assessment):

The Direct Assessment of laboratory courses is done with Continuous Internal Evaluation and Semester End Examination. The continuous internal evaluation is for 40 marks and Semester end examination is for 60 marks. The continuous internal evaluation is marketed under 20 marks of day to day evaluation and 20 marks for internal examination.

To calculate CO-wise attainment for laboratory course, the below steps are followed:

1. The day to day evaluation of each experiment of laboratory course is evaluated for 20 marks each student of the class. The internal exam is evaluated out of 20 marks and the semester end examination marks out of 60 were considered for all the students of the class after getting the semester results.
2. The average class marks for day to day evaluation of all the experiments, internal examination, semester end examination are considered as Threshold value for calculating the attainment.
3. The percentage of students above Threshold value is considered for determining the attainment level for all the experiments, internal examination and semester end examination as shown in the Table given below.

Table Range for defining the Course Attainment Level

Description	Range	Attainment Level
Not attained	<50	0
Weak	>=50 & <60	1
Moderate	>=60 & <70	2
Strong	>=70	3

1. The experiments are mapped across the related course outcomes and the obtained attainment level is noted for all the course outcomes that are mapped for all the experiments.
2. The obtained attainment levels for internal and semester end examinations are marked for all the course outcomes.
3. The CO wise direct attainment level is calculated as follows:

For example

$$\text{CO Attainment} = 20\% \text{ of Average of CO attainment for day to day evaluation} + \\ 20\% \text{ of CO attainment for Internal Examination} + \\ 60\% \text{ of CO Attainment of Semester End Examination}$$

The procedure for calculating indirect attainment (course end survey) is same as for Theory Courses.

The final CO Attainment is calculated with 80% of direct attainment and 20% of indirect attainment.

8.5 Attainment of Program Outcomes from first year courses (20)

Total Marks 20.00

8.5.1 Indicate results of evaluation of each relevant PO and/or PSO if applicable (10)

Institute Marks : 10.00

POs Attainment:

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C101	2.46	2.46	2.05	1.50	1.50	1.64	1.37	PO8	PO9	PO10	1.37	1.64
C102	1.35	1.52	1.35	1.52	1.52	1.18	1.35	0.84	1.35	1.69	1.35	0.84
C103	2.06	2.06	0.69	0.80	1.10	PO6	PO7	PO8	PO9	PO10	PO11	1.14
C104	1.59	1.45	1.59	1.59	PO5	PO6	PO7	PO8	1.59	PO10	PO11	PO12
C105	1.95	0.89	1.76	0.89	1.17	2.15	0.98	1.37	0.98	1.37	0.98	0.98
C106	1.87	1.87	2.18	1.87	1.09	PO6	PO7	PO8	1.87	PO10	PO11	PO12
C107	2.97	2.97	2.48	1.98	PO5	PO6	PO7	PO8	PO9	PO10	1.98	1.98
C108	1.59	1.59	1.59	1.32	1.06	1.19	1.32	0.79	0.79	1.59	1.27	1.45
C109	1.91	1.63	2.45	PO4	1.63	1.36	1.23	PO8	PO9	PO10	PO11	1.36
C110	2.20	1.45	1.65	2.07	1.49	0.99	PO7	0.83	0.83	0.83	PO11	1.52
C111	1.61	PO2	PO3	PO4	1.61	1.29	1.61	1.41	1.34	2.42	PO11	2.42
C112	2.51	2.51	2.37	0.84	PO5	PO6	PO7	PO8	PO9	PO10	PO11	0.84
C113	2.28	1.77	PO3	PO4	PO5	PO6	PO7	PO8	1.52	PO10	PO11	0.76
C114	2.15	1.91	2.38	2.38	0.95	2.86	0.95	PO8	PO9	PO10	PO11	1.27
C115	1.5	1.5	1.33	1.5	1.99	1.66	1.66	1.0	1.99	1.0	PO11	1.99
C116	PO1	PO2	0.95	1.27	2.38	1.27	0.95	1.43	2.38	2.85	2.38	2.85
C117	2.90	2.90	2.74	1.13	1.93	PO6	PO7	PO8	PO9	PO10	PO11	0.97

PO Attainment Level

PSOs Attainment:

Course	PSO1	PSO2
C101	1.64	PSO2
C102	PSO1	0.84
C103	1.03	0.92
C104	1.19	1.19
C105	1.37	1.22
C106	1.4	1.71
C107	1.49	PSO2
C108	1.03	0.95
C109	1.02	0.82
C110	0.83	0.83
C111	PSO1	0.81
C112	1.26	PSO2
C113	1.39	PSO2
C114	0.95	1.43
C115	1.0	1.0
C116	PSO1	0.95
C117	1.55	PSO2

PSO Attainment Level

Course	PO1	PO2
Direct Attainment	1.22	1.06
PSO Attainment	1.22	1.06

8.5.2 Actions taken based on the results of evaluation of relevant POs and PSOs (10)

Institute Marks : 10.00

POs Attainment Levels and Actions for Improvement- (2022-23)

POs	Target Level	Attainment Level	Observations
PO 1 : Engineering Knowledge			
PO 1	1.20	2.06	Target level has been achieved for P01
Assignments were given for practice for gaining conceptual knowledge in Engineering.			
PO 2 : Problem Analysis			
PO 2	1.20	1.90	Target level has been achieved for P02
Tutorial classes were conducted for problem solving on all Engineering applications.			
PO 3 : Design/development of Solutions			
PO 3	1.20	1.84	Target level has been achieved for P03
Awareness programmes and practical sessions were conducted on design and development of solutions.			
PO 4 : Conduct Investigations of Complex Problems			
PO 4	1.20	1.48	Target level has been achieved for P04
Provided various real time problems in assignments to solve complex problems in Engineering.			
PO 5 : Modern Tool Usage			
PO 5	1.20	1.49	Target level has been achieved for P05
Provided various platforms for understanding the usage of modern tools in understanding the engineering concepts.			
PO 6 : The Engineer and Society			
PO 6	1.20	1.56	Target level has been achieved for P06
Various awareness programmes were organized to make the students understand the connection between societal needs and engineering applications.			
PO 7 : Environment and Sustainability			
PO 7	1.20	1.27	Target level has been achieved for P07
Various workshops and practical sessions are planned to understand the need for sustainable development			
PO 8 : Ethics			
PO 8	1.20	1.09	C102 & C108-Students experienced difficulty in committing the ethical guidelines in the practical classes. Since it is based on both individual and group activity, some of them were not involved. C105- Students experienced difficulty in committing the ethical guidelines in the practical classes. C 116- The course has no direct correlation with the concerned PO and hence the low attainment level. C110-Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice. C115- Educate students about ethical considerations in research, and responsible conduct, ensuring adherence to ethical guidelines throughout their investigations.
C102,C105&C108-Specific rubrics to clearly analyze the individual contribution towards the work completion motivated the students to learn ethical behavior in practice. C116- The course plan has been designed to include the concepts of human values and ethics through stories and case studies. C110- Educate students about ethical considerations in research, and responsible conduct, ensuring adherence to ethical guidelines throughout their investigations. C115 - students are encouraged workshops are conducted, and students are educated with ethical values.			
PO 9 : Individual and Team Work			
PO 9	1.20	1.46	Target level has been achieved for P09

Students were educated about the importance of team work in executing the programmes related to academic aswell as presentation			
PO 10 : Communication			
PO 10	1.20	1.68	Target level has been achieved for P010
students were trained on communication skills in their lab sessions for better sharing of their knowledge.			
PO 11 : Project Management and Finance			
PO 11	1.20	1.55	Target level has been achieved for P011
Provided sessions on financial management for executing the project with in the limitations.			
PO 12 : Life-long Learning			
PO 12	1.20	1.47	Target level has been achieved for P012
Conducted classes on understanding the real time situations and solving the problems using their practical knowledge.			

PSOs Attainment Levels and Actions for Improvement- (2022-23)

PSOs	Target Level	Attainment Level	Observations
PSO 1 : Graduates will be able to analyze and design telecommunication networks with applicable consideration.			
PSO 1	1.10	1.01	C105-Lack of direct correlation with the concerned PSO C110 - Design astrong foundation in Physics is still important, it may not be as heavily emphasized in these particular engineering specializations. C114-Due to insufficient practical application oppurtunities with industry demands C109-Lack of direct correlation with the concerned PSO
C104 - Extra programmes in programming Lab were given for students apart from syllabus to improve Programming Skills C105-: Implementing learning by doing concept. C110-Evaluate the existing curriculum to ensure that it adequately covers foundational physics concepts relevant to telecommunication networks. Identify specific areas within physics (such as electromagnetism, wave propagation, and signal theory) that are crucial for understanding telecommunication systems, and integrate them into the curriculum. C114-Updating equipment and facilities developing new experiments that reflect industry practices. C109-Enhancing teaching methodologies and resources, and continuously monitoring and revising assessment methods			
PSO 2 : Graduates will gain technical knowledge with necessary aptitude and soft skills to work in the ICT industry.			
PSO 2	1.10	0.79	C102&C105- Lack of direct correlation with the concerned PSO C110-Design a curriculum that integrates technical coursework with modules focused on soft skills development. C114-Due to insufficient practical application oppurtunities with industry demands C109-Lack of direct correlation with the concerned PSO C116- The students were not aware of the importance of soft skills and its relevance in their professional life C 111- The students were not aware of the importance of soft skills and its relevance in their professional life. Ensure that technical subjects such as programming, network infrastructure, and system design are complemented by courses on communication skills, teamwork, and problem-solving.
C102-Students are encouraged to participate in intercollegiate events, competitions, Hackathons, Ideathons, Sustainathons to upgrade their knowledge and solve related problems C104 - Students are formed as a group and case studies were given to them to inculcate team spirit in them. C105-Students are encouraged to participate in intercollegiate competitions, workshops, Seminars, symposium, and conferences to upgrade their knowledge and solve related problems. C110-Practice explaining complex concepts in simple terms, as effective communication is essential when translating physics knowledge into practical applications. C116- Classes were conducted with more emphasis on group discussions and real time case studies to develop soft skills C114-Updating equipment and facilities developing new experiments that reflect industry practices. C109-Enhancing teaching methodologies and resources, and continuously monitoring and revising assessment methods C111- Classes were conducted with more emphasis on group discussions and real time case studies to develop soft skills			

9 STUDENT SUPPORT SYSTEMS (50)	Total Marks 50.00
9.1 Mentoring system to help at individual level (5)	Total Marks 5.00

The main goal of GNITS is to give students Specialised Skills, support their Overall Growth and increase their Employability. The Institution offers a well-organized Mentor-Mentee Programme which provides the students with practical and emotional support, motivation, and a welcoming environment. Mentors (Faculty members) are essential to a Mentee's (students) development and have a favourable effect on both their perseverance and academic success. Mentees can ask their Mentors for both academic and personal advice through the Programme.

- Each Mentor is assigned 15 to 19 Mentees.
- In the first year, Mentors are allocated from the first year departments.
- In the Second year, Mentors are allocated from the specific departments, guaranteeing a steady support structure throughout their course of study.

Process of Mentoring

- Each Mentee is exclusively provided a Counselling Record book at the beginning of I year
- The Counselling Record is maintained by the designated Mentor from Humanities & Management as well as Basic Sciences Departments.
- As students' progress to II Year, the Counselling Records of every student is sent to the Counselling in-charge of the concerned Department.
- The departments Counselling in-charge assigns a group of 15-19 Mentees to the Mentors in the Department.
- Copies of the student counselling allotment, which includes roll numbers, names, and parent contact information, are forwarded to Mentors.
- The counselling allotment is posted on the notice board for the benefit of the Mentees.
- Mentors receive the Counselling Records of their Mentees from the Counselling in-charge.
- Mentees meet their Mentor periodically.
- Mentee's Monthly Attendance, Mid-term Grades, End Semester CGPA, extracurricular and co-curricular activities are documented in the respective Counselling Records for each semester.
- If there are any issues related to Academics, Career or health, the Mentor provides helpful advice to the Mentee.
- In case Mentee faces any psychological issues, she will be sent to in-campus Certified Psychologist to take corrective measures.
- At the end of each Semester, Mentors submit the Counselling Reports of their Mentees to the Department Counselling In-charge.
- The Counselling In-charge submits the Counselling Records to the Head of Department (HOD).

The responsibilities of a mentor are diverse and extend beyond a fixed list. While the mentioned functions are essential, mentors are encouraged to go above and beyond to ensure the well-being and success of their mentees.

Mentor Responsibilities

- To conduct meetings with the assigned Mentees, at least Twice in a semester.
- To maintain records of Mentee's personal information, including addresses, contact numbers, and academic progress, to monitor their growth effectively.
- To motivate Mentees to be regular and to improve their Academic performance and Health.
- To initiate communication with parents/guardians when necessary, such as addressing academic irregularities, behavioural changes, interpersonal issues, or harmful activities.
- To offer professional and career guidance to Mentees, assisting them in their career development.
- To continue contact with students even after their graduation.
- To bring any issues during counselling to the notice of HOD and suggest appropriate administrative actions if required.
- To maintain a comprehensive and progressive record of each Mentees development.
- To offer professional guidance on setting professional goals, career choices, and pursuing higher education.
- To support Mentees in exploring self-employment opportunities and entrepreneurship while promoting values like integrity and honesty for career growth.
- To provide guidance in reaching the goals of students.
- To take support from the in-campus Psychologist if and when required to assist Mentees with any of their psychological issues.

Mentee Responsibilities

- To regularly attend meetings with the Mentor as scheduled.
- To provide necessary personal information upon joining the Mentor-Mentee system.
- To share details of attendance, continuous assessment, examination results, as well as co-curricular and extra-curricular activities with the Mentor, when requested.
- To trust the Mentor and seek advice whenever needed.

There is a counselling committee at the college level headed by the in-campus Psychologist, Mrs. Jahnavi, MSc Psychology, for the emotional counselling of Mentees.

Functions of the Counselling Committee at Institute Level

- To ensure the availability of Counselling service as and when required to the Mentees.
- To help Mentees cope with the fast-paced changes in the stressful modern lifestyle and enable them to solve their concerns on their own through Counselling and Guidance.
- To provide assistance to Mentees to work on social and emotional development that will impact their productivity in their work life.
- To conduct 2 awareness sessions every year, one for the first-year students during the Induction programme and one for the senior students, in addition to the regular counselling and guidance by the Mentor.
- To collect feedback from the Mentee participants and analyse the same to ascertain the impact.

Figure 9.1.1 shows the stages of the Counselling process.



Figure 9.1.1: Counselling Process



Figure 9.1.2: Session by Dr. Venesh on “Mindset Matters - Unlocking your Potential” on World Mental Health Day 10-10-2023

Figure 9.1.2 is a picture from the interaction of students with Dr. Venesh during a speech on World Mental Day 10-10-2023. He had given the key points on how to handle stress, depression and how to have good mental health.



Figure 9.1.3: Counselling of Student by Mrs V.Jahnvi , in-campus Psychologist

Figure 9.1.3 shows counselling of a student by the in-campus psychologist for better mental health. Table 9.1.1 shows the summary of mentoring of students for each academic year by Psychologist. Student names are encrypted for privacy reasons. The result of this mentoring was improvement of academic performance and placement in companies/industries.

Table 9.1.1: Summary of mentoring of students by Psychologist

Sl. No.	Name of the Mentee	Branch/ Batch	Problem	Efficacy
Academic Year 2021-2022				
1.	KM	ETE 2021-25	Poor performance in academics, distracted due to family issues. No focus. Vulnerable to easy influences	Counselled to develop resilience in academic pursuits. Monitored the progress. Helped with the emotional issues. She is showing steady improvement.
2.	Sh. A	ETE 2020-24	Academic struggles, difficulty understanding concepts, poor grades, lack of motivation	Helped develop confidence to believe in herself. Guided to break tasks into manageable steps, seek help from peers or faculty, utilize different learning strategies, and to stay persistent. Monitored performance.
3.	KD	EEE 2020-24	Financial problems. Studies well. Planned to go back and join a college in hometown. Single parent	Approached the Management. Given 50% concession in hostel fee till course completion. Spoke to mother. She secured a good placement

4.	TJ	ECE 2020-24	Low confidence, aggressive parenting, failed in multiple interviews, giving up hope	With Cognitive Behavioural Therapy guided in confidence building, edited her resume, helped review her performance in interviews. Secured placement with paid internship
5.	MD	ECE 2018-22	Depression history, panic attacks in labs, self-harm, suicidal tendencies	Called parents, apprised them of the severity, advised Psychiatric treatment with medication. Completed the course in time
6.	LB	ECE 2020-24	Unexpected backlog with shortlist in placement process. Anxiety about losing opportunity	Guided to stay motivated and resilient. Supported her through the reevaluation and supplementary exam phase. She secured good placement with high salary package
7.	GB	IT 2021-25	Health problems, Acute PCOD, Less attendance, poor academics, threat of semester detention	Sent to Physical Directress – helped with dietary changes, exercise and monitoring. Showing steady improvement
8.	PUR	CSE 2021-24 (LE)	Stress and anxiety, due to academic pressure, exams and social situations post COVID	Counselled to prioritize tasks, seek support, communicate with faculty, practice self-care and set realistic goals. Observed improvement
Academic Year 2022-2023				
1.	B R	ECE 2022-26	Stammer and associated low confidence. Wanted to quit the course	Focused on improving speech fluency in English lab, addressing the underlying emotions, building self-esteem.
2.	A J	IT 2019-23	Fear of Interviews. Performs very well in other rounds. Gets very anxious just before interviews	Provided support with strategies and techniques of confidence-building. Offered a safe space to explore anxieties, develop coping skills, and enhance self-assurance for successful interviews.
3.	SL	CSE 2021-25	Loneliness & isolation. Wanted to go back to hometown and join a college there.	Offered support, coping strategies & connection-building skills. Helped to explore the underlying emotions to foster meaningful relationships and improve well-being.
4.	PS	EEE 2022-26	Academic pressure. Rural background, low exposure. Worried about future. Unable to focus on academics.	Helped with ways of bridging educational gaps, accessing resources, and fostering confidence and resilience in academic pursuits. Showed marked improvement.
5.	IR	IT 2019-23	Depression after father's death during COVID19. Irregular to the college	Provided a safe space for grief processing, coping mechanisms, emotional support, and rebuilding a sense of purpose and resilience
6.	TJ	ETE 2022-26	Financial problems. Not able to focus. Wanted to quit the course and take up a job to help parents	Helped her explore financial aid options like seeking educational loan from banks. Built confidence and resilience to sustain till the completion of the course. Secured a good placement offer.
7.	BA	IT 2019-23	Depressed due to relationship issues.	Suggested setting relationship boundaries and focussing on academics as prime importance. Was helped with coping mechanisms.

8.	Md. S	ECE 2019-23	Unable to cope up with academics. Overwhelmed feelings and panic attacks.	Guided with relaxation techniques, stress management strategies, cognitive restructuring, and time management skills to alleviate anxiety and enhance academic performance.
Academic Year 2023-2024				
1.	DP	ECE 2023-27	Telugu medium. Low confidence Financial problems. Couldn't focus on academics due to situations at home	Counselled to develop mindfulness. Acknowledged her every small achievement. Gave awareness on the resources to bridge gaps in academic pursuits. Spoke to her elder sister who is working as nurse. Showing slow but steady progress
2.	AP	ECE 2022-26	Father approached, worried about her irregularity and poor performance. Less disclosure during counselling	Identified excessive usage of cell phone. Addicted to the level of bunking classes. Many sessions of counselling on mindfulness, goal setting, realization and focus on academics. Father is observing improvement
3.	DR	ETE 2021-25	Engineering not choice, so no effort and focus, Irregular to classes, skipped exams, Parents approached	Counselled to realize the importance of lost time, goal setting, and personal growth. She assured the parents in the presence of the Counsellor to work hard. Is observed to be seriously trying for internship opportunities. Improving in academics
4.	LI	CSM 2020-24	Depression. Could not get placed. Low exposure. Failed in multiple interviews. Lost confidence and hope in securing placement.	Used Cognitive Behavioural Therapy. Provided support with strategies and techniques of confidence-building. Offered a safe space to explore anxieties, develop coping skills, and enhance self-assurance for successful interviews.
5.	SP	EEE 2023-27	Abandoned by parents after refusing child marriage. Stayed in orphanage run by Yadadri Collectorate. Emotional and financial issues	Tuition fee and hostel fee wavered for all 4 years. Reassured about the safe place that she is in right now. Slowly socializing with classmates and hostel friends. Reasonably good academics. Is trying hard to cope up
6.	Sh.S	ECE 2023-27	Father's death, financial problems, 3 hours a day teaching tuition, No time to study, depressed with multiple issues	With the help of colleagues, the Counsellor provided all the textbooks, Calculator, lab apron etc. Faculty are willing to pool-in and provide her a laptop. She feels reassured and is able to study well. The Counselor is helping in coping up.

Students Counselling/Mentoring

The Data recorded in Mentee Counselling Report is as follows:

- Parent communication details
- Monthly attendance
- Marks for each Theory Course/ Lab Course in every semester (Internal & Semester End Exams)

- CGPA
- Extra & co-curricular activities
- Achievements such as prizes, awards, appreciation
- Ranks in competitive exams like GRE, TOEFL, GATE,
- Placement details

This information serves as a basis for future communication and guidance. Figure 9.1.4 to 9.1.6 shows the pictures of a few pages in the counselling record of a student.

**G. Narayanamma Institute of
Technology and Science (For Women)**
(AUTONOMOUS)
Shakhpur, Hyderabad - 500 104.

Student Counselling Record

Name of the Student : Dr. Rajlaxmi

Branch : ETE

Roll No. : 192219116

Date : 20/11/2023

Counselors :

Semester - I : Dr. A. Narayana, Asst. Prof., ETE

Semester - II : Dr. A. Narayana, Asst. Prof., ETE

Semester - III : Dr. A. Narayana, Asst. Prof., ETE

Semester - IV : Dr. A. Narayana, Asst. Prof., ETE

Semester - V : Dr. A. Narayana, Asst. Prof., ETE

Semester - VI : Dr. A. Narayana, Asst. Prof., ETE

Semester - VII : Dr. A. Narayana, Asst. Prof., ETE

Semester - VIII : Dr. A. Narayana, Asst. Prof., ETE

Figure 9.1.4: Cover page of Mentee Counselling Record

Student's Summary Sheet

Name: Prakash ID No: 192019196

Academic Performance:

Semester	Report		
	Approved	Not Approved	Grade
Semester - I	✓		8-55
Semester - II	✓		8-101
Semester - III	✓		8-437
Semester - IV	✓		9-500
Semester - V	✓		9-547
Semester - VI	✓		9-10
Semester - VII	✓		8-39

CGPA: 8.77

Competitive exams appeared:

GRE - Verbal Result:	GRE - Quant Result:	GMAT - Verbal Result:
GRE - Writing Result:	GMAT - Quant Result:	Any Other Result:

College Information:

College Name			
Address			

Figure 9.1.5: Last Page of Counselling Record at the time of Exit

Remarks:

Details of the candidate's placement:

Placed in IT in Software Development in Infosys in Chennai.
 Placed in IT in Software Development in Infosys in Chennai.
 Placed in IT in Software Development in Infosys in Chennai.

Details of the candidate in the time of leaving the company:

Particulars	Remarks	Status
Placed in <u>IT</u> in <u>Software Development</u> in <u>Infosys</u> in <u>Chennai</u> .		

Signature of Candidate:

K. R. R. Leader

Figure 9.1.6: Counselling Record showing Placement details

Figure 9.1.7 shows the Mentor-Mentee allotment in 2022-2023 in the Department of ETE. The allotment includes students from II, III and IV years.

C. Department of Technology & Science (For Women)
ETP Student Counselling Allotment 2022-2023

S.No.	Name	I Year	II Year	III Year	IV Year	Mentor	Mentee	Total	Remarks
1	D.K. RANJANA	2022A116-01	2022A116-02	2022A116-03	2022A116-04	2022A116-05	2022A116-06	12	✓
2	P.P. VISHAL	2022A116-07	2022A116-08	2022A116-09	2022A116-10	2022A116-11	2022A116-12	12	✓
3	N.S. DEEPA	2022A116-13	2022A116-14	2022A116-15	2022A116-16	2022A116-17	2022A116-18	12	✓
4	M.S. RASHMI	2022A116-19	2022A116-20	2022A116-21	2022A116-22	2022A116-23	2022A116-24	12	✓
5	S.A. ANJANA	2022A116-25	2022A116-26	2022A116-27	2022A116-28	2022A116-29	2022A116-30	12	✓
6	P.N. VAISHALI	2022A116-31	2022A116-32	2022A116-33	2022A116-34	2022A116-35	2022A116-36	12	✓
7	M.S. DEEPA	2022A116-37	2022A116-38	2022A116-39	2022A116-40	2022A116-41	2022A116-42	12	✓
8	M.S. DEEPA	2022A116-43	2022A116-44	2022A116-45	2022A116-46	2022A116-47	2022A116-48	12	✓
9	M.S. VISHA	2022A116-49	2022A116-50	2022A116-51	2022A116-52	2022A116-53	2022A116-54	12	✓
10	M.S. VISHA	2022A116-55	2022A116-56	2022A116-57	2022A116-58	2022A116-59	2022A116-60	12	✓
11	M.S. VISHA	2022A116-61	2022A116-62	2022A116-63	2022A116-64	2022A116-65	2022A116-66	12	✓
12	M.S. VISHA	2022A116-67	2022A116-68	2022A116-69	2022A116-70	2022A116-71	2022A116-72	12	✓
13	M.S. VISHA	2022A116-73	2022A116-74	2022A116-75	2022A116-76	2022A116-77	2022A116-78	12	✓
14	M.S. VISHA	2022A116-79	2022A116-80	2022A116-81	2022A116-82	2022A116-83	2022A116-84	12	✓
15	M.S. VISHA	2022A116-85	2022A116-86	2022A116-87	2022A116-88	2022A116-89	2022A116-90	12	✓
16	M.S. VISHA	2022A116-91	2022A116-92	2022A116-93	2022A116-94	2022A116-95	2022A116-96	12	✓
17	M.S. VISHA	2022A116-97	2022A116-98	2022A116-99	2022A116-100	2022A116-101	2022A116-102	12	✓
18	M.S. VISHA	2022A116-103	2022A116-104	2022A116-105	2022A116-106	2022A116-107	2022A116-108	12	✓
TOTAL		102		102		102		102	

Total No. of Students	102
No. of Faculty	18
Mentor to Mentee Ratio - 1 :	5.67


K.R.S. hasaly
COORDINATOR

Figure 9.1.7: Counselling Allotment of Mentor-Mentee during 2022-2023

Figure 9.1.8 shows the counselling summary at the end of the semester.

G. NARAYANAMMA INSTITUTE OF TECHNOLOGY & SCIENCE (Autonomous)
(AUTONOMOUS)
Department of ETE

Student Counseling Report
 Academic Year: 2022 - 2023

Name of the Counselor: Dr. A. Narayana
 Designation: Assistant Professor
 Class & Semester Counseled: BT, BT, SE - 5 Sem B.Tech
 H.T Numbers from: 2022 BT A 1214-25, 2022 BT A 1214-13, 2022 BT A 1402, 1922 BT A 1214-12, 2022 BT A 1301

Statement of Report	
1. No. of students Counseled	: 15
2. No. of Students with Improved Attendance	: 8
3. No. of Students with improved academic performance	: 2
4. No. of Students with improved Emotional Quotient (Positive attitudinal change)	: 2
5. No of non-respondents to counseling in terms of	
a. Attendance	: 3
b. Marks	: 2
c. Any others	: —
6. Any case of exceptionally improved performance in terms of (Mention the Names with Regd. Numbers)	
a. Attendance	: —
b. Marks	: —
7. Any other specific observations noted during the counseling	: —

A. Narayana
 Signature of the Counselor
 Date : _____

K. R. S. Narayana
 Signature of the HOD
 Date : _____

Figure 9.1.8: Student Counselling Report from Faculty at the end of semester

Mentor-Mentee Ratio

The Department Counselling in-charge assigns a maximum of 19 Mentees to each Mentor for efficient, simple, and seamless counselling. ECE Departments Mentor-Mentee ratio of academic year 2020 to 2024 and semester is listed below Table 9.1.2.

Table 9.1.2: Mentor-Mentee Ratio of ETE Department from 2020 to 2024

Academic Year	Semester	Mentor to Mentee ratio

2020-2021	I	1:14.57
	II	1:14.57
2021-2022	I	1:14.57
	II	1:14.57
2022-2023	I	1:14.71
	II	1:14.71
2023-2024	I	1:14.78
	II	1:14.78

Counselling Report Summary

The outcome of students Counselling after each semester is shown in Table 9.1.3. This table shows the improvement of Mentees’ academic performance as a result of regular periodic counselling by the Mentor.

Table 9.1.3: Outcome of students Counselling from 2020 to 2024

Academic Year	Semester	Number of Students		
		Counseled	Improved in Attendance	Improved in Academic Performance
2020-2021	I	193	50	47
	II	192	43	48
2021-2022	I	204	81	47
	II	205	92	79
2022-2023	I	206	83	50
	II	206	90	58
2023-2024	I	207	85	60

Engineering College Automation Package (E-Cap) Software

The Institution has a software package called E-Cap that simplifies the counselling process. E-Cap offers a well-established student support and mentoring system. All faculty in the department have access to this package. Each faculty member has their own username and password to log in. Teachers enter attendance for their classes/labs on a daily basis. The faculty and parents can track the progress of students from any location. Figure 9.1.9 and Figure 9.1.10 shows the details of E-Cap. It helps the Mentor in monitoring the Mentees easily and effectively.



Figure 9.1.9: E-Cap details

G. NARAYANAMMA INSTITUTE OF TECHNOLOGY & SCIENCE(FOR WOMEN)
AUTONOMOUS (Code: 25)
 Approved By ACTE, Affiliated to JNTUH, Accredited by NBA & MAAC, ISO 9001:2015 Certified
 B-1,DFVCL, Shilpuri, Hyderabad - 500104
 Tel : 255653567750

ATTENDANCE REPORT
 Course : B.Tech
 Semester : II E.Tech II Sem

Sl.No	Roll No.	Student Name	PRE	PO	CO	AVG	PRE	PO	CO	AVG	PRE	PO	CO	AVG	PRE	PO	CO	AVG	PRE	PO	CO	AVG	
1	21251A01	ALLI MANJUNNA	00	02	02	00	20	14	-	0	27	25	0	15	146	100	77.66						
2	21251A02	ARIBONDA SWANNA	00	04	03	00	17	13	-	0	20	20	0	10	144	100	87.21						
3	21251A03	ARORA BISHA	00	03	02	00	00	18	-	0	23	23	0	12	189	100	84.84						
4	21251A04	AVILA RISHITHA	07	06	03	00	17	08	-	0	26	24	0	10	170	100	80.00						
5	21251A05	(NABU)	04	00	00	00	00	00	-	0	17	05	0	0	125	100	40.40						
6	21251A06	CHALLABALLA PRIYA KANAKAVATHI	00	04	02	00	00	18	-	0	27	26	0	18	187	100	83.04						
7	21251A07	CHITRALLE SARETHI	00	00	00	00	17	10	-	0	24	20	0	15	157	100	81.38						
8	21251A08	CHINLA SANYASA	03	00	00	00	11	15	-	0	20	24	0	12	157	100	73.80						
9	21251A09	CHALLA SANYASA	00	03	00	00	07	13	-	0	27	26	0	10	143	100	79.88						
10	21251A10	CHALLA SANYASA	01	07	04	00	00	-	-	11	0	04	04	0	10	137	170	74.61					
11	21251A11	CHALLA SANYASA	04	00	04	00	00	00	-	0	27	26	0	10	180	100	73.84						
12	21251A12	CHALLA SANYASA	04	00	04	00	10	10	-	0	27	25	0	15	150	100	70.75						
13	21251A13	CHALLA SANYASA	00	17	00	00	00	-	-	0	24	24	0	15	140	100	76.55						
14	21251A14	CHALLA SANYASA	00	00	00	00	00	18	-	0	20	24	0	10	170	100	81.88						

Figure 9.1.10: E-Cap showing Attendance report of students

Undertaking letter by the Parent

At the end of each month, student Attendance is displayed on the notice boards. If Attendance is less than 75%, the Class Teacher and Mentor will inform the parent. In addition, attendance shortage letters will be sent to the parents. It helps to monitor the student's academic performance. Figure 9.1.11 shows the parent communication letter.

**G. NARAYANAMMA INSTITUTE OF TECHNOLOGY & SCIENCE
(FOR WOMEN)**

Sub: Shortage of attendance - Reg/-

Date: 03-02-2024

To
The Parent

Your daughter Kum AKANKSHA GANDAPATI of 3/4 ETE Branch bearing H.T.No 21251A1732 has put up 67.42 % attendance from 02-01-2024 to 31-01-2024. As per the JNTU regulations a candidate has to obtain a minimum of 75% of cumulative attendance in all the subjects by the end of the academic year to be promoted for her next academic year, in case she doesn't improve the attendance, she will be detained. This is for your kind information.

Class Teacher Concerned Panda
HOD, ETE

I, Srinivasan G parent/guardian of Akanksha G will ensure that my ward will obtain a minimum of 75% of cumulative attendance in all the subjects by the end of the academic year. In case she doesn't improve, I am ware of the consequences that, she will be detained and have to repeat the same class as and when it is offered.

Signature of the Student Akanksha G Signature of the Parent/
Date: 05/02/24 Guardian:

Name of the Candidate : Akanksha G
H.T.No : 21251A1732
Percentage of Attendance : 67.42
Class : ETE, III Year
II Semester K. N. S.
Principal

Figure 9.1.11: Undertaking by Parent

Class Teacher Report

The Class Teacher submits a students report with less than 75% attendance. Figure 9.1.12 shows the Class Teacher Report.

G. Narayana Institute of Technology and Science (For Women)
ETE DEPARTMENT
 Sub: Shortage of attendance - Reg-
 Date: 28-11-2023

21-7-2023 to 21-11-2023

Sl.No	Roll.No	Student Name	%	Signature
1	21251A1715	KOPALLEY MAHEMA	73.68	<i>[Signature]</i> ✓
2	21251A1717	M SWATHI	64.62	<i>[Signature]</i> ✓
3	21251A1721	MEHERUNISSA BIJUM	85.33	<i>[Signature]</i> ✓
4	21251A1710	KADAMANCHI DIVYA	96.38	<i>[Signature]</i> ✓
5	21251A1727	SHAIK HAJRA KALSAB	72.84	<i>[Signature]</i> ✓
6	21251A1731	ZAYNAB FATIMA	68.65	<i>[Signature]</i> ✓
7	21251A1735	AMMI ANKITHA	58.09	<i>[Signature]</i> ✓
8	21251A1742	KATRAM ANANYA	75.6	<i>[Signature]</i> ✓
9	21251A1745	KOTA SYARVANI	75.23	<i>[Signature]</i> ✓
10	21251A1740	KOULAGARI AKSHITHA	64.69	<i>[Signature]</i> ✓
11	21251A1738	SEELAKAMA YMINAVI	69.59	<i>[Signature]</i> ✓
12	21251A1764	MAHLEN SIBAJ	63.46	<i>[Signature]</i> ✓

[Signature]
Class Coordinator

[Signature]
HOD, ETE

Figure 9.1.12: Class Teacher Report

Weak Students [Slow Learners] Report

Depending on the marks of the students in Internal Assessment-1, students will be classified as slow learners/ weak students (<13 marks for GNR18 Regulation and <15 marks in GNR22 Regulation). Figure 9.1.13 shows the report on Slow Learners. Figure 9.1.14 shows the improvement of marks of a student after counselling and remedial classes. Figure 9.1.15 shows the schedule of remedial classes and report on remedial classes.

COUNSELLING REPORT OF WEAK STUDENTS

Date: 08/08/23

Subject: Analog Circuits

Year, Section: ETV / 2023

The following students of B.Tech ETE & TV have scored less than 15 marks in GNR18 Regulation and <15 marks in GNR22 Regulation. They have been identified as weak students and counselling session is conducted for them with a focus on addressing their difficulties in understanding the subject. The reasons for low marks and suggestions by faculty are summarized below.

S. No	Roll No.	Marks	Reasons for low marks in VMC Exam	Suggestions by the faculty for improvement	Student Signature
1	21211A1710	08	Lack of attendance	Attend the classes regularly	<i>[Signature]</i>
2	21211A1711	08	Do not take any preparation	Do more practice & prepare well	<i>[Signature]</i>
3	21211A1714	11	Do not give attention to my lecture and preparation was not good	Give more attention to my lecture & attend the classes regularly	<i>[Signature]</i>

[Signature]
Head of Institute
Dr. S. Srinivas Reddy

Figure 9.1.13: Slow Learners Report

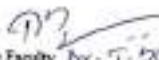
G. NARAYANAMMA INSTITUTE OF TECHNOLOGY AND SCIENCE
(FOR WOMEN)
DEPARTMENT OF ELECTRONICS AND TELEMATICS ENGINEERING
Academic Year 2022-2023
ETE/RC12

Date:12-07-23

Remedial Class Impact for Slow learners in IITV ETE II Sem

The following Students of 2/4 B.Tech ETE have improved the AC subject after attending Remedial classes. Significant progress has been made in enhancing the academic performance of our students. This achievement reflects the students commitment to their studies. We remain committed to nurturing the educational growth of our students and will continue to implement effective strategies to ensure their success in their academic endeavors.

S.No.	Student Information	Pre Remedial	Post Remedial
	Roll Number	Mid-I Marks	Mid-II Marks
1	21251A1731	08	12
2	21251A1734	11	16

Signature of the Faculty  DR. T. SUNITHA
Date: 12/7/23



Head of the Dept.,
Dr. K. Ramalinga Reddy

Figure 9.1.14: Improvement in Analog Circuits after Counselling and Remedial Classes

**G. NARAYANAMMA INSTITUTE OF TECHNOLOGY AND SCIENCE
(FOR WOMEN)
DEPARTMENT OF ELECTRONICS AND TELEMATICS ENGINEERING
Academic Year 2023-2023
ETE (EC) 112**

Date: 08-05-23

- > As per the GNTU's rules, if the student scores less than or equal to 40% (≤ 12 out of 30 marks) of marks in MID-1 exam in any subject, remedial classes will be conducted for the students who had not performed well in that subject. During remedial classes, students are made to follow the difficult topics and concepts by clarifying the doubts and important questions will be discussed.
- > In the academic year 2023-2023 II-B Tech II-Sem (2021-25 batch), remedial classes have been planned for the following list of students.

List of students Identified as Weak Students in AC Subject

S.No.	Roll No.	Marks
1.	21251A1710	08
2.	21251A1731	08
3.	21251A1734	11

Remedial Class Details

S. No	Date	Topics Discussed	Students Attended	Student Sign	Faculty Sign
1.	25/5/23	Class A Power amplifier & concept of tuned Amplifier	21251A1710	<i>[Signature]</i>	<i>[Signature]</i>
			21251A1731	<i>[Signature]</i>	
			21251A1734	<i>[Signature]</i>	
2.	8/6/23	Clipping Circuits & Clamper Circuits	21251A1710	<i>[Signature]</i>	<i>[Signature]</i>
			21251A1731	<i>[Signature]</i>	
			21251A1734	<i>[Signature]</i>	
3.	24/6/23	Astable Multivibrator and its Applications	21251A1710	<i>[Signature]</i>	<i>[Signature]</i>
			21251A1731	<i>[Signature]</i>	
			21251A1734	<i>[Signature]</i>	

List of students not attended over one session: *NIL*

Name of the Faculty: *Dr. T. JUNITHA*

Signature: *[Signature]*

K. R. R. Reddy
Head of the Dept.
Dr. K. Ramalinga Reddy

Figure 9.1.15: Remedial Class Time Table and Report from faculty

Advanced Learners [Fast Learners] Report

Depending on the marks of the students in Internal Assessment-1, students will be classified as advanced learners (if marks are greater than 25 for GNR18 Regulation and greater than 30 in R22 Regulation). Figure 9.1.16 shows the report on advanced learners. Figure 9.1.17 shows the participation of Advanced Learners in various Hackathons, Ideathons, Workshops, etc.

UNION
Department of Health & Human Services

OFFICE OF THE SUPERVISOR
Department 800

STUDENT REPORT OF ADVANCED LEARNERS STUDENTS

Form 1001 - (10/21) Subject: Nursing (RN) Revision: 01/20

AN 1001 - (10/21) Form Number: 1001 - (10/21)

The following students of the Union County Community College (UCCC) are listed below. They have been identified as highly skilled and possessing technical competencies for their respective professions. They have been selected as they are currently in the following categories: (a) students who are currently enrolled in the program; (b) students who have completed the program; (c) students who have completed the program and are currently employed in the program; (d) students who have completed the program and are currently employed in the program.

SL No	Roll No.	Name of the student	Grade earned	Student's performance in the following field: (a) Technical performance of job function; (b) Team Participation; (c) Job Interest, etc.	Student Signature
1.	00000001	DANIELLE MARINA	20	-	[Signature]
2.	00000002	JACQUELINE MARIE FLORES	20	Excellent performance in all areas. Highly motivated and professional. Strong leadership skills and excellent communication skills.	[Signature]
3.	00000003	BERNARDITA MARIE BRUNO	20	Excellent performance in all areas. Highly motivated and professional. Strong leadership skills and excellent communication skills.	[Signature]
4.	00000004	ADRIAN MARIE BRUNO	20	Excellent performance in all areas. Highly motivated and professional. Strong leadership skills and excellent communication skills.	[Signature]
5.	00000005	ANITA MARIE BRUNO	20	Excellent performance in all areas. Highly motivated and professional. Strong leadership skills and excellent communication skills.	[Signature]
6.	00000006	ANITA MARIE BRUNO	20	Excellent performance in all areas. Highly motivated and professional. Strong leadership skills and excellent communication skills.	[Signature]
7.	00000007	ANITA MARIE BRUNO	20	Excellent performance in all areas. Highly motivated and professional. Strong leadership skills and excellent communication skills.	[Signature]
8.	00000008	ANITA MARIE BRUNO	20	Excellent performance in all areas. Highly motivated and professional. Strong leadership skills and excellent communication skills.	[Signature]
9.	00000009	ANITA MARIE BRUNO	20	Excellent performance in all areas. Highly motivated and professional. Strong leadership skills and excellent communication skills.	[Signature]
10.	00000010	ANITA MARIE BRUNO	20	Excellent performance in all areas. Highly motivated and professional. Strong leadership skills and excellent communication skills.	[Signature]
11.	00000011	ANITA MARIE BRUNO	20	Excellent performance in all areas. Highly motivated and professional. Strong leadership skills and excellent communication skills.	[Signature]
12.	00000012	ANITA MARIE BRUNO	20	Excellent performance in all areas. Highly motivated and professional. Strong leadership skills and excellent communication skills.	[Signature]

Figure 9.1.16: Advanced Learners Students Report



Figure 9.1.17: NPTEL certificate of student as a result of encouragement

Result of mentoring of students in Academics

Mentoring plays critical role in students' future. Mentor gives suggests on common questions like what are the difficult subjects of the semester, what are the books available in library for the subjects, how to prepare for exams, how to write the answers during examination, how to prepare for competitive exams, suggest best coaching centres etc. Mentoring of students from I year to IV year increases the academic performance. Below Figure 9.1.18 shows the average CGPA of a student 19251A1716 from Sem I to Sem VII.



Figure 9.1.18: Academic Performance of student as a graph Sem Vs CGPA



9.2 Feedback analysis and reward /corrective measures taken, if any (10)

Total Marks 10.00

Feedback collected for all courses: YES

Specify the feedback collection process: Both Interactive and Online Feedbacks are Collected.

Collecting feedback from students on faculty is an essential aspect of improving the overall educational experience. GNITS has a properly structured mechanism to obtain Feedback from Students on Faculty and the Teaching Process through well designed formats.

The Feedback is collected at 2 Levels:

- **Interactive Feedback in Class Review Committee (CRC) Meeting** from a Focussed Group of Students as Scheduled in Academic Calendar. (Twice Every Semester – 1 week before commencement of Mid I and Mid II)
- **Online Feedback from all Students as scheduled in the Academic Calendar.** (Once Every Semester till 2022-2023 and Twice Ever Semester from 2023-2024)

Figure 9.2.1 shows the Academic Calendar for II B.Tech. I Semester in the year 2023-2024

**G. NARAYANANMA INSTITUTE OF TECHNOLOGY AND SCIENCE
(AUTONOMOUS) FOR WOMEN**
SISAIKUPET, HYDRABAD-500104

ACADEMIC CALENDAR (2023-2024)

II B, Tech-I Sem

Commencement of 1 st Semester Class Work	11-09-2023
1 st Spell of Instructions	11-09-2023 To 11-11-2023 (8 Weeks)
1 st Class Review meeting	16-10-2023 to 21-10-2023
Course Files and Lecture Dates Verification	16-10-2023 to 21-10-2023
Dussehra Holidays	22-10-2023 to 28-10-2023(1 Week)
Overall Staff performance Review	30-10-2023 to 04-11-2023
First Mid Terms Examinations	13-11-2023 to 18-11-2023 (1 Week)
First Mid Marks Submission	23-11-2023
Students Midterm Feedback (Online)	20-11-2023 to 25-11-2023
2 nd Spell of Instructions	20-11-2023 to 13-01-2024 (8 Weeks)
Counselling for students	04-12-2023 to 09-12-2023
2 nd Class Review meeting	26-12-2023 to 30-12-2023
Second Mid Terms Examinations	17-01-2024 to 21-01-2024 (1 Week)
Second Mid and Consolidated Marks Submission	25-01-2024
Lecture Dates Verification	22-01-2024 to 27-01-2024
Counselling for students	22-01-2024 to 27-01-2024
Preparation & Practical Examination	22-01-2024 to 27-01-2024 (1 Week)
Students Semester Feedback (Online)	22-01-2024 to 27-01-2024
End Semester Examinations	29-01-2024 to 10-02-2024 (2 Weeks)

Figure 9.2.1: Academic Calendar with Class Review Meeting Schedule

Feedback through CRC Meetings

CRC emphasizes on Subject delivery, Understanding Concept, Syllabus completion, Classroom facilities and any other general problems.

Constitution of CRC:

- Head of the Department (HoD) or Incharge HoD
- Dean Academics/Principal
- Course Instructors
- 8 Students.

The composition of the Student members in the CRC will be as follows

- Class Representative (CR)
- Incharge Class Representative (ICR)
- 2 students from the CGPA band of 8 to 10

- 2 students from the CGPA band of 6.5 to 8
- 2 students from the CGPA below 6.5

Out of these 8 Student Members, at least one must be from Hostel and One from Lateral Entry category.

It is mandatory to have at least one student from each Professional/Open Elective.

In the absence of any of the above mentioned student members, other students are invited from the same category

Procedure for Conduction of Class Review Committee Meetings(CRC):

- Syllabus Coverage is Collected from all the faculty.
- A Circular is forwarded to all the CRC members 3 days before the meeting informing the CRC Schedule.
- On the day of meeting, all the CRC members attend the meet.
- Dean Academics/Principal will Convene the meeting.
- The Minutes of the meeting are forwarded to the Dean Academics within 2 days after the meeting.
- Based on the students' feedback from CRC meeting, corrective actions are taken by the HoD.
- For instance, If a particular faculty is lagging in syllabus coverage, then he/she is allotted extra classes to complete the required syllabus.

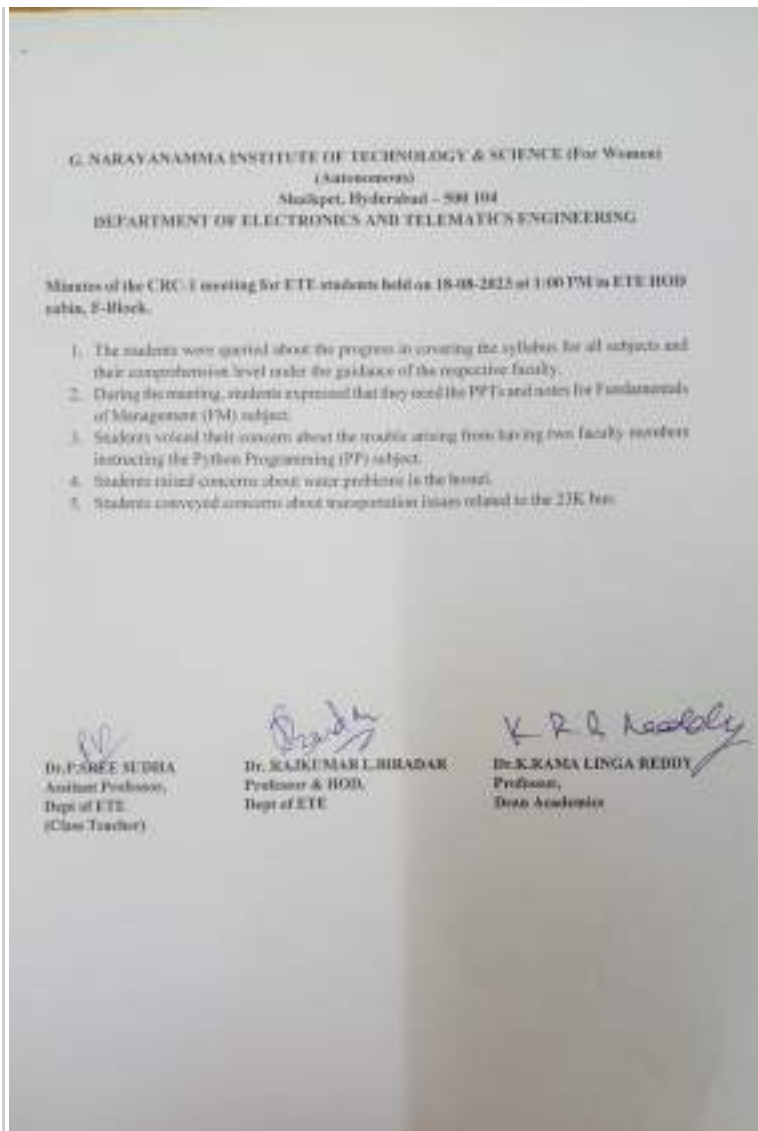


Figure 9.2.2: CRC Meeting Schedule

UNIVERSITY OF TECHNOLOGY AND SCIENCE
 DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATIONS
 MINUTES OF THE CLASS REVIEW COMMITTEE MEETING ON 18.08.2023

Sr. No.	Name of the Course / Laboratory Course	Faculty Name	No. of classes taken	Location of the class / Laboratory	Remarks on teaching method / assignments	Remarks on class / Assignments / Labs	Signature of the staff member
1.	ET 101	Dr. P. S. Reddy	12	ET 101	Good	Good	[Signature]
2.	ET 102	Dr. P. S. Reddy	12	ET 102	Good	Good	[Signature]
3.	ET 103	Dr. P. S. Reddy	12	ET 103	Good	Good	[Signature]
4.	ET 104	Dr. P. S. Reddy	12	ET 104	Good	Good	[Signature]
5.	ET 105	Dr. P. S. Reddy	12	ET 105	Good	Good	[Signature]
6.	ET 106	Dr. P. S. Reddy	12	ET 106	Good	Good	[Signature]
7.	ET 107	Dr. P. S. Reddy	12	ET 107	Good	Good	[Signature]
8.	ET 108	Dr. P. S. Reddy	12	ET 108	Good	Good	[Signature]
9.	ET 109	Dr. P. S. Reddy	12	ET 109	Good	Good	[Signature]
10.	ET 110	Dr. P. S. Reddy	12	ET 110	Good	Good	[Signature]

Signature of the Staff
 1. Head of the Dept.
 2. Principal
 3. Dean Academics
 4. HoD

H. R. Reddy
 Head of the Institute

Figure 9.2.3: Minutes of CRC Meeting

Online Feedback from Students

Process of Online Feedback Collection and Analysis:

- Students rate the Quality of teaching based on 13 parameters for each course.
- Emphasis is on the quality of teaching, subject knowledge, content delivery, discipline and assessment.
- The feedback system is automated and centrally collected by Dean Academics.
- The students respond to the feedback form for each course from their student logins.
- The feedback analysis is performed for all courses and communicated to the Head of the Institute and concerned HoD.

G. NARAYANAMMA INSTITUTE OF TECHNOLOGY AND SCIENCE (For Women)

FEED BACK RESULT

Faculty Name: Dr.T.Santha

Degree : B.Tech Department : ETM Year : 3
Semester : I Section : A Date : 2023-12-15

SUBJECT: VLSI DESIGN

S.NO.	PARAMETERS	POINTS
1	Teachers command over the subject.	3.47
2	Did the teacher help in understanding concepts and principle	3.31
3	Teachers Communication skills	3.28
4	Teachers enthusiasm about teaching	3.38
5	Did the teacher give examples	3.28
6	Did the teacher cover all the units with required importance	3.31
7	Availability of teacher outside the class	3.41
8	Interaction with the students during the session	3.34
9	Teachers ability in controlling the class	3.38
10	Punctuality of teacher in engaging the class	3.38
11	Standard of Assignment for learning subject	3.34
12	Discussion of solutions to question papers, assignments and typical questions	3.34
13	Overall rating of teacher	3.34
AGGREGATE		43.56

FINAL FEEDBACK: 83.77% GOOD

Please go through it carefully. In case you have not been able to do very well in certain aspects, please concentrate on them and see that you do well in these aspects also in the next semester/year. In this connection, if you think you need any help from the institution, please feel free to contact me any time.

With best wishes,


(Dr. K. Ramesh Reddy)
PRINCIPAL

Figure 9.2.4: Online Feedback Form

Basis of Reward: Feedback is considered as one of the Assessment Criteria for Faculty Appraisal (15 Marks out of 100 Marks) as well as Promotion (25 Marks out of 100 Marks).

1.2 Feedback Analysis for the courses taught (Till Previous Semester) 15 Points

Course Feedback: >90%: 5 Points, >80% to <90%: 4 Points, >70% to <80%: 3 Points, <70%: 2 Points
 Course Feedback received: >85%: 2 Points, >75% to <85%: 4 Points, >60% to <75%: 3 Points, <60%: 2 Points
 Course Feedback CPM: >80: 3 Points, >70: 4 Points, <60: 2 Points

S.No.	Name of the Course	Feedback received (%)	Course Feedback (CPM)	Average CPM for course (%)	Course Grade (A-F+P+C)
1	Digital System Design	81.04%	3.18%	8.77%	B
2	Coding Theory & Technology	78.00%	3.00%	8.33%	B
3	Probability Theory & Stochastic Processes	75.30%	3.18%	7.33%	B
Average of Total Courses					3.33

Figure 9.2.5: Part of the Faculty Appraisal Application Form Showing the Awarding of 15 Marks for Online Feedback from Students

B. Students Feedback(Max.Points25)

S.No.	Semester (III-Acad.Year)	CourseCode/Name	AverageStudentfeedback on the scale of 25	Enclosure no.
1	Sem-1,AY 2022-23	Digital Systems&Design	20.28	
2	Sem-1,AY2022-23	Coding Theory&Techniques	21	
3	Sem-2,AY 2022-23	DS1148A Probability Theory& Stochastic Processes	18.82	
4	Sem 1,AY 2020-2022	PC113AY / Signals & Systems	20.53	
5	Sem 2,AY 2020-2022	4G Technologies	20.93	
6	Sem 1,AY 2020-2022	DS1148A Probability Theory& Stochastic Processes	19.57	
7	Sem 1,AY 2020-2021	PC113AY/Signals & Systems	17.68	
8	Sem 1,AY 2020-2021	Coding Theory & Techniques	22.82	

Figure 9.2.6: Part of the Faculty Promotion Application Form Showing the Awarding of 25 Marks for Online Feedback from Students

Corrective measures, if any: Based on the Student feedback and analysis, Faculty are advised to improve in the points they are lagging.

Faculty members who score

- less than 75% are counselled for improvement by the HoD, Dean Academics/Principal and
- less than 60% will be required to submit a written explanation.
- Faculty members who get less than 60% Feedback will also be required to attend Faculty Development Programs (FDPs) on Pedagogical Methods to improve their Teaching Skills.

Indices used for measuring quality of teaching & learning and summary of the index value:

Feedback Indices

- Teacher’s command over of the subject
- Did the teacher help in understanding concepts and principles?
- Teacher’s communication skills
- Teacher’s enthusiasm about teaching
- Did the Teacher give examples?
- Did the Teacher cover all the units with required importance?
- Accessibility of the Teacher outside the class
- Interaction with the students during the session
- Teacher’s ability in controlling the class
- Punctuality of Teacher in engaging the class
- Standard of Assignment for learning subject
- Discussion of solution to question papers assignments and typical questions
- Overall rating of the teacher

For each Index, the Faculty are rated from 1 to 4

Feedback is Analysed by generating Percentage as follows:

FeedBack Calculation:

Maximum Score = 13*4 = 52 (13 Indices and 4 is maximum score for each criterion.)

$$\text{Feedback \%} = \frac{\text{Total Score Obtained by a Faculty}}{\text{Maximum Score}} \times 100$$

Feedback %	Verdict
>85%	Excellent
76% to 85%	Good
61% to 75%	Satisfactory
<60%	Needs to Improve

Summary of the Index Values for all Courses/ Faculty Members:

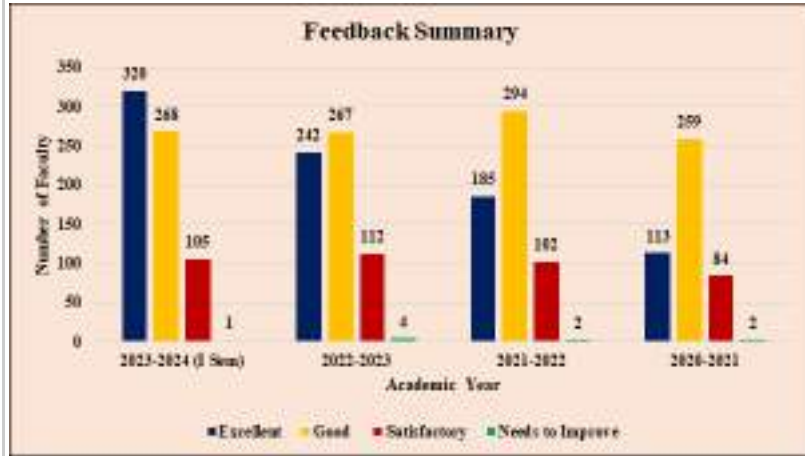


Figure 9.2.7: Faculty Feedback Summary for last 3 Academic Years at the Institute Level

Number of corrective actions taken:

9 Corrective Actions Taken to address the cases of "Needs to Improve" in Online Feedback.

--

9.3 Feedback on facilities (5)

Total Marks 5.00

Feedback on facilities serves as a crucial tool for continuous improvement and quality assurance which is collected from all the outgoing students every year at the end of their final semester. It allows students to express their opinions and experiences regarding various aspects of the institutions infrastructure and amenities.

This feedback typically covers a range of facilities including:

Faculty: Assessing the competence, availability, and approachability of teaching staff.

Laboratories: Evaluating the adequacy of equipment, cleanliness, and overall functionality of laboratory spaces.

Environment: Commenting on the overall ambiance, cleanliness, and maintenance of the campus.

Library: Providing feedback on the collection of resources, accessibility, and comfort of library facilities.

Canteen: Assessing the quality, variety, and hygiene standards of food services.

Internet Facilities: Reviewing the reliability, speed, and coverage of internet connectivity.

Sports & Games: Evaluating the availability and condition of sports facilities and equipment.

Discipline: Providing feedback on the enforcement of rules and regulations, as well as the overall disciplinary atmosphere.

Training & Placement: Assessing the effectiveness of career guidance, placement services, and industry interactions.

Office and Exam Branch: Evaluating the efficiency and responsiveness of administrative services related to academic matters and examinations.

A standard format for Outgoing Student Feedback is illustrated in Figures 9.3.1 & 9.3.2.

Students rate various aspects using a five-point scale:

- Excellent
- Very Good
- Good
- Average
- Needs Improvement.

After collecting feedback, analysis is conducted based on the grades provided by the students. If corrective measures are necessary, they are brought to the attention of the Head of the Institution for appropriate action.

OUTGOING STUDENTS FEEDBACK FORM

GNITS		GNITS	
OUT GOING STUDENTS FEEDBACK		DEPARTMENT :	
Personal Details:		Academic Performance	
Name :		I Year :	
Branch :		II Year :	
Roll No :		III Year :	
Address :		IV Year / Sem :	
Contact Phone No:		Aggregate:	
E-Mail ID :			
Competitive Exams Written:			
GATE: Yes/ No		GRE: Yes/No	
TOEFL: Yes/ No		Result:	
Result:		Result:	
IES: Yes/ No		CAT: Yes/No	
Other:		Any	
Result:		Result:	
Curricular Activities (Rank in Institution/ University)			
Co-Curricular Activities: Paper Presentation/ Workshops attended/ Summer Training/ Mini Projects etc.,			
a) In Inter Departmental Competitions :			
Nature of the Activity		Recognition /Award received if any	
b) In Inter – Institutional Competitions:			
Nature of the Activity		Recognition /Award received if any	
Extra Curricular Activities: Sports/ Games etc.,			
a) In Inter Departmental Competitions :			
Nature of the Activity		Recognition /Award received if any	

Figure 9.3.1: Outgoing Student Feedback form Page 1

b) In later - Instrumental Competence:

Name of the Activity	Recognition /Award received if any

Campus Interviews Attended

Name of the Company	Selected (Yes/No)			

Any Key Personnel hold in the College (CR, Association Representative etc)

Your Suggestions /Remarks on :- Grades - (Excellent, Very Good, Good, average, needs to improve)

Faculty	
Labs	
Environment	
Library	
Canteen	
Internet Lab	
Sports & Games	
Discipline	
Training & Placement Office	
Event Booth	
Your Impression About the college (In one sentence)	

Would you recommend this college to other Students / Relatives?

Yes/No

If Yes, in your opinion, what are the positive aspects?

If no, what are the aspects, which make you not to recommend?

Signature & Date

Figure 9.3.2: Outgoing Student Feedback form Page 2

OUTGOING STUDENTS FEEDBACK

UNITS	ETE/OTIS/EE
OUT GOING STUDENT'S FEEDBACK	DEPARTMENT - ETE

Personal Details Name: Aditya Lakshya Branch: ETE Roll No: 1212121212 Address: 12345678910, 12345678910, 12345678910, 12345678910, 12345678910 Contact Phone No: 9876543210 E-Mail ID: aditya.lakshya@ete.edu.in	Academic Performance I Year: 9.1 II Year: 9.2 III Year: 9.3 IV Year: 9.4 Aggregate: 9.3
---	---

Competitive Exams Written:

GATE: Yes/No Result:	GRE: Yes/No Result:	TOEFL: Yes/No Result:
IS: Yes/No Result:	CAT: Yes/No Result:	Any Others Result:

Computer Activities (Rank in institutions/Universities)

ETE Member

Co-Curricular Activities: Paper Presentations/ Workshops/Seminars/ Summer Training/ Mini Projects etc...

ii) In Inter Departmental Competitions:

Nature of the Activity	Recognition/Award received if any
Participation in
...	...
...	...

iii) In Inter Institutional Competitions:

Nature of the Activity	Recognition/Award received if any

Extra Curricular Activities: Sports/ Games etc...

iv) In Inter Departmental Competitions:

Nature of the Activity	Recognition/Award received if any

Figure 9.3.3: Filled-in Sample of Outgoing Students Feedback Form First Page of ETE Student

B) In Inter - Inclusional Competitions:

Nature of the Activity	Recognition/Award received if any

Campus Interviews Attended

Name of the Company	Interview Type	Months	Company	Product
Selected (Yes/No)	Yes	Yes	Yes	Yes

Any Key Position held in the College (CR, Association Representatives etc)

Your Suggestions/Remarks on:- Grades - (5-Excellent, 4-Very Good, 3-Good, 2-Satisfactory, 1-Poor)

Faculty	5
Labs	5
Environment	5
Library	5
Canteen	4
Internet Life	4
Sports & Games	4
Discipline	4
Training & Placements	5
Office	5
Exam Branch	5
Your response about the college (a one sentence)	5

Would you recommend this college to other students (A/abuse)? Yes/No

If Yes, in your opinion what are the positive aspects?
Education, Training & Placements are excellent.

If no, what are the aspects, which made you not to recommend?

A. Lakshmi
 Signature & Date
 23/3/24

Fig. 9.3.4: Filled-in Sample of Outgoing Students Feedback Second First Page of ETE Student

Outgoing Student Feedback on Facilities of Overall College for Academic Year 2022-2023

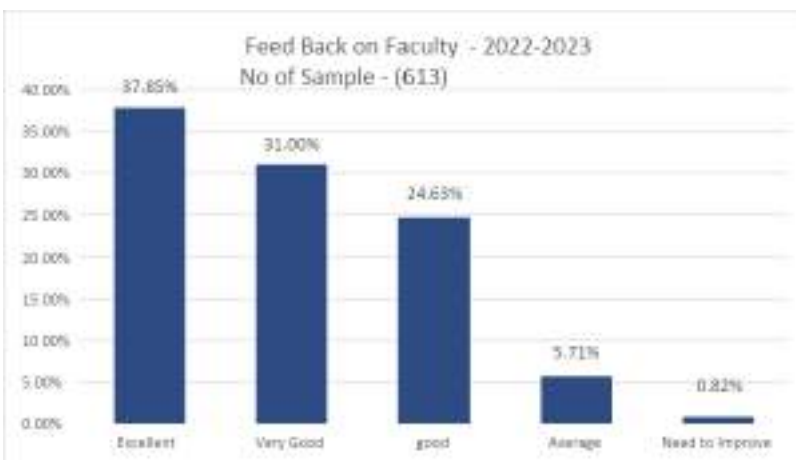


Figure 9.3.5: Summary of Feedback on Faculty for 2022-2023

Summary of Feedback on Faculty

Figure 9.3.5 shows the analysis of Feedback on Faculty.

It was observed that:

- 93.47% students are very much satisfied with the faculty and their competency available in the Institution.
- Only 6.53% of students expressed dissatisfaction on this aspect.

Since the overall feedback was very much satisfactory, no actions were contemplated.

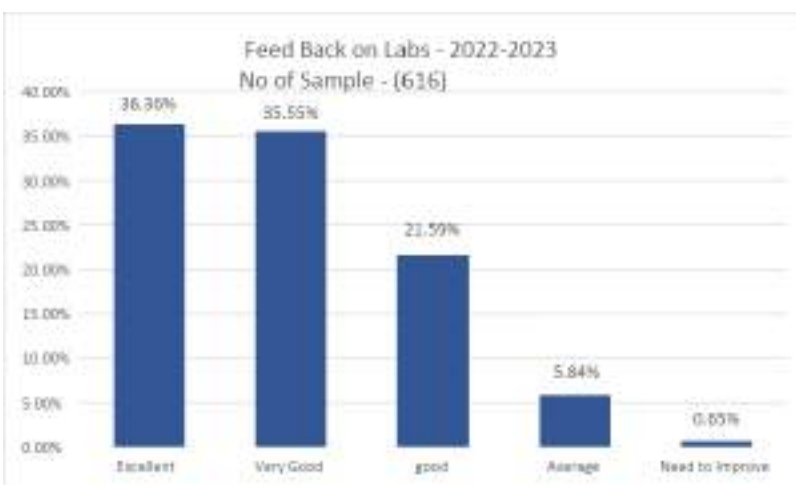


Figure 9.3.6: Summary of Feedback on Labs 2022-2023

Summary of feedback on Labs

Figure 9.3.6 Provides the Feedback on Labs.

It was observed that :

- 93.51% students are very much satisfied with the labs that are available in the Institution.
- Only 6.49% of students expressed dissatisfaction on this aspect.

Since the number of dissatisfied students are very less no action was needed.

However, as a matter of policy plus as a corrective measure in response to the suggestions given by the some of the students, the Institution has been reviewing the quality and quantity of equipment present in different labs from time to time and appropriate replacements/enhancements were affected as and when needed.

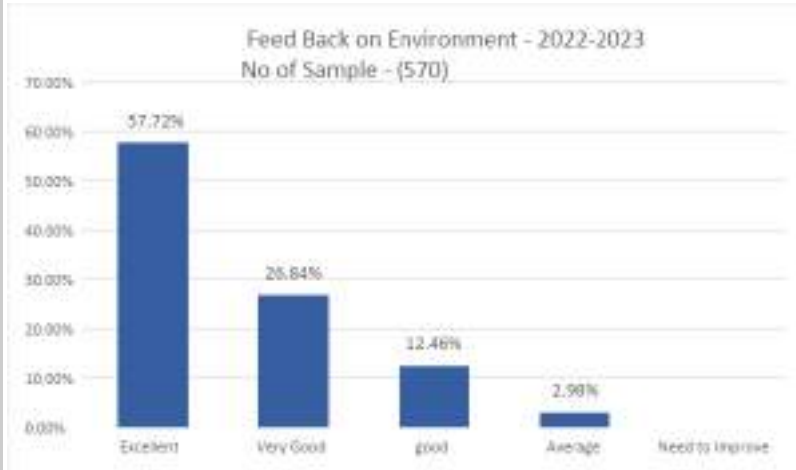


Figure 9.3.7: Summary of Feedback on Environment

Summary of feedback on Environment

Figure 9.3.7 represents the Feedback on Environment.

It was observed that:

- 97.02% students are happy with the overall environment prevailing in the Institution.
- Only 2.98% students expressed the need for improvement.

Since the percentage of dissatisfied students is very less no concrete action was contemplated.

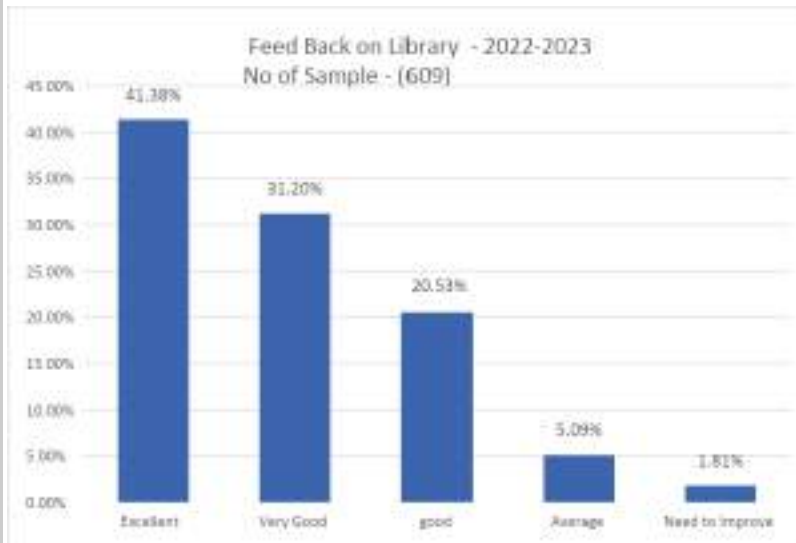


Figure 9.3.8: Summary of Feedback on Library 2022-2023

Summary of feedback on Library

Figure 9.3.8 provides the students Feedback on Library.

It was observed that :

- 93.10% students satisfied with the facilities and books that are available in the College Library.
- Only 6.90% of students expressed dissatisfaction through their suggestions.

The suggestions along with actions taken are given below:

- More issue copies of text books should be added.

Corrective action: Number of volumes were increased considerably.

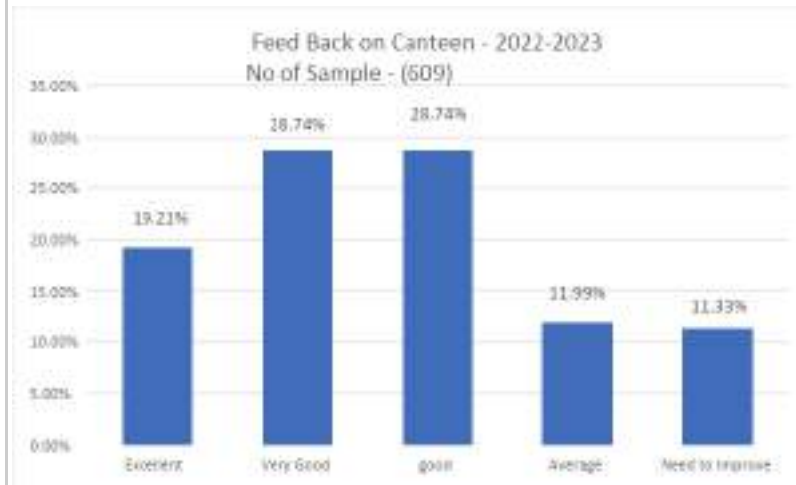


Figure 9.3.9: Summary of Feedback on Canteen in 2022-2023

Summary of feedback on Canteen

Figure 9.3.9 depicts student feedback on Canteen.

It is observed that:

- 76.68% students are satisfied with the Canteen facilities.
- 23.32% of students expressed dissatisfaction on the quality/variedness of the food and hygiene conditions.

Some of the views expressed by some of the students are:

- More varieties & healthy food items should be included in the menu.
- Maintenance & hygiene have to be increased.

Consequent to these observations few actions were taken. They are:

- Quality of food and Variedness – More varieties of food items were introduced in the menu while ensuring that the quality was not compromised.
- Maintenance & Hygiene – As a part of efforts in the direction of improving Maintenance & Hygiene, the Canteen Committee was strengthened by increasing the faculty members so that frequent monitoring can take place. In addition, the seating capacity was further enhanced by providing more benches in and around the canteen.

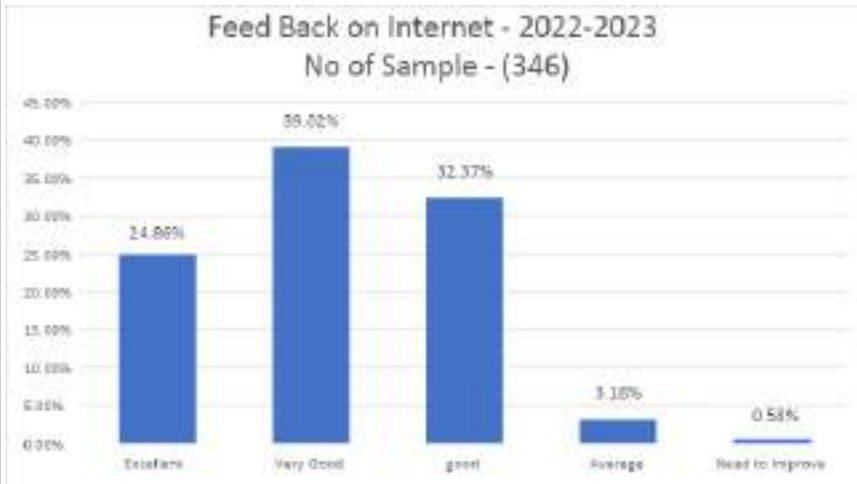


Figure 9.3.10: Summary of Feedback on Internet Facility

Summary of feedback on Internet Facility:

Figure 9.3.10 presents the students feedback on internet facility.

It was observed that:

- 96.24% students are very much satisfied with the internet facility provided by the Institution.
- Only 3.76% of students expressed their unhappiness on this aspect.

However, as a matter of policy the speed of the internet was constantly upgraded over the years. Presently it is 1000 Mbps.

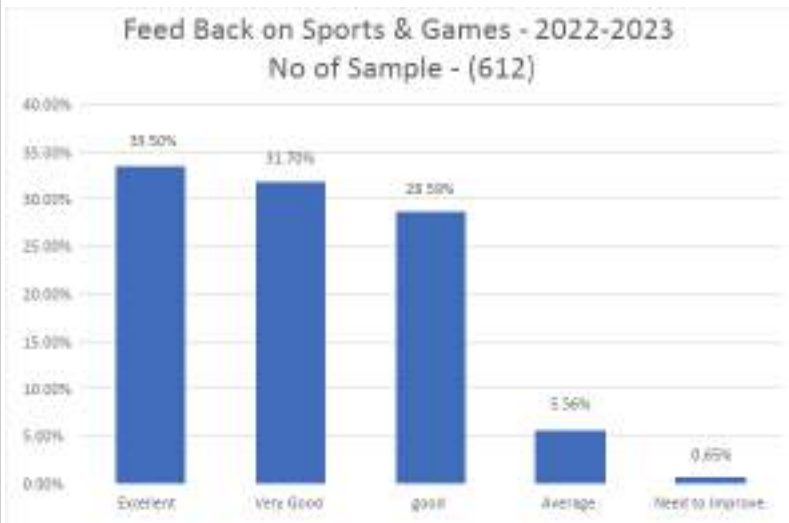


Figure 9.3.11: Summary of Feedback on Sports and Games

Figure 9.3.11 shows the students feedback on sports and games.

It was observed that :

- 93.79% students are very much satisfied with the Sports & Games department available in the Institution.
- Only 6.21% of students expressed dissatisfaction on this aspect.

Since the number of dissatisfied students is very less no action was needed.

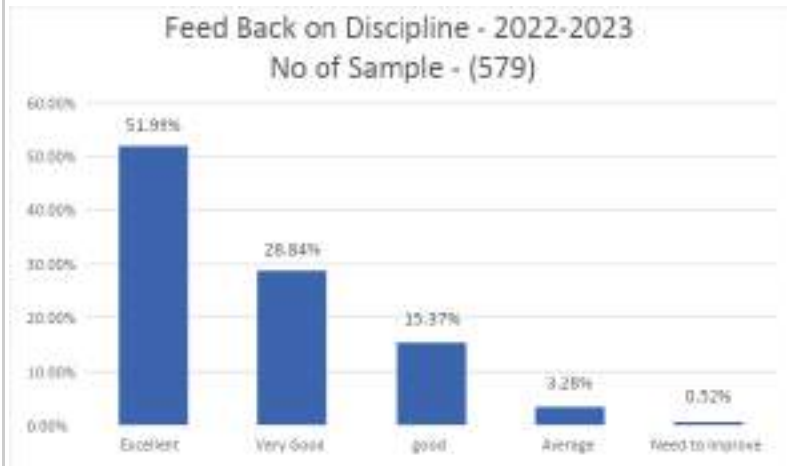


Figure 9.3.12: Summary of Feedback on Disciplinary Aspects

Summary of feedback on Disciplinary aspects:

Figure 9.3.12 presents feedback on discipline.

It was observed that:

- 96.20% students are very much satisfied with the Disciplinary aspects that are in force in the Institution since beginning.
- 3.80% of students expressed dissatisfaction on this aspect.

Since the number of dissatisfied students are very less no further action was needed.

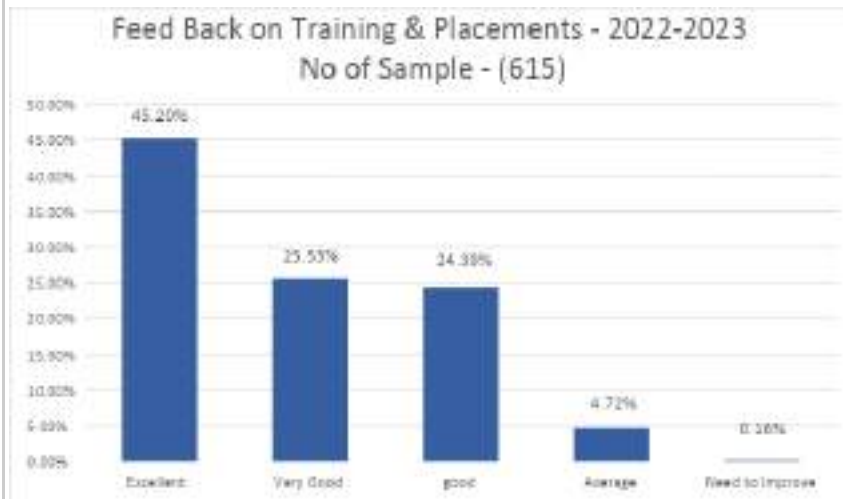


Figure 9.3.13: Summary of Feedback on Training and Placement

Summary of feedback on Training & Placement:

Figure 9.3.13 shows outgoing student feedback on Training and Placement.

It was observed that:

- 95.12% students are very much satisfied with the Training & Placements in the Institution.
- 4.88% of students expressed dissatisfaction on this aspect.

Since the number of dissatisfied students is very less no action was needed. However, as a matter of policy regular placement trainings were imparted to all the students of 2nd year and 3rd year.

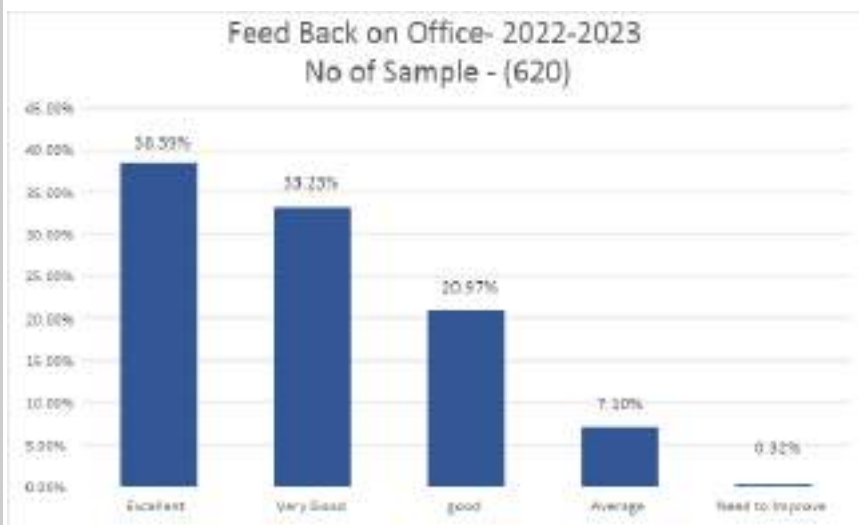


Figure 9.3.14: Summary of Outgoing Students' Feedback on Office

Summary of feedback on Office:

Figure 9.3.14 shows outgoing student's feedback on Office.

It was observed that :

- 92.58% students are very much satisfied with the Office in the Institution.
- 7.42% of students expressed dissatisfaction on this aspect.

Since the number of dissatisfied students are very less no action was needed.

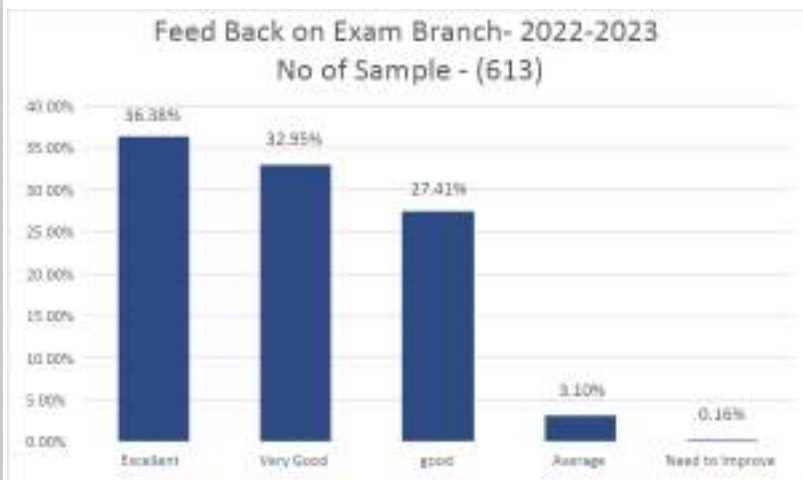


Figure 9.3.15: Summary of Feedback on Exam Branch

Summary of feedback on Exam branch:

Figure 9.3.15 depicts the Feedback on Exam Branch.

It is observed that:

- 96.74% students are very much satisfied with the Exam branch in the Institution.
- 3.26% of students expressed dissatisfaction on this aspect.

Since the number of dissatisfied students are very less no action was needed.

Following Table 9.3.1 illustrates the improvement in the various facilities in the Institution from previous assessment period to current assessment period:

Table 9.3.1. Improvement in various Facilities from 2020 to 2024

S . No	Infrastructure / Facility	Previous Assessment period	Current Assessment Period
1	Faculty	Faculty with Ph.D. = 44	Faculty with Ph.D. = 76
2	Internet -Wi-Fi	500 Mbps	1000 Mbps
3	Wi-Fi Access Ports	32	115
4	Projectors	70	92
5	Smart Boards	5	17
6	No of Labs	57	63
7	Training & Placement	1. Training was imparted to only 3 rd year students 2. % placements = 62.39% 3. Average No of companies = 52 4. Highest package = 27 lacs/annum 5. Average package = 5.13 lacs/annum	1. Training was imparted to both 2 nd & 3 rd year students. Java advanced & web technologies were introduced to 2 nd year students. 2. % placements = 76.6% 3. Average No of companies = 78 4. Highest package = 46.5 lacs/annum 5. Average package = 7.04 lacs/annum
8	Library	Titles: 9254 Volumes: 43116 Print Journals: 113 e-journals IEEE (ASP APCK) DELNET Fine collection process: Slow	Titles: 9687 Volumes: 45203 Print Journals: 115 e-Journals IEEE (ASP pack), IEEE (All POPs), DELNET, J-GATE, Knimbus Remote access, Turnitin Plagiarism Check. Fine collection process: Fast (Provision of QR code)
9	Canteen	1. Hygiene – good but inadequate. 2. Food: Limited varieties 3. Seating Capacity: Limited due to shortage of space	1. Hygiene & Maintenance– As a part of efforts in the direction of improving Maintenance & Hygiene, the Canteen Committee was strengthened by increasing the faculty members so that frequent monitoring can take place. 2. Quality of food and Variedness – More varieties of food items were introduced in the menu while ensuring that the quality was not compromised 3. In addition, the seating capacity was further enhanced by providing more benches in and around the canteen.

9.4 Self-Learning (5)	Total Marks 5.00

Scope for self-Learning

All subjects in the syllabus book are provided with standard online resources for students for self learning

- GNITS provides financial support to encourage the students to work on the projects of their interest and allow the students to access the digital platforms beyond working hours.
- GNITS has Digital library access to e-Journals which are subscribed through AICTE INDEST consortium; These journals are from IEEE etc..
- The self-learning online /physical materials like GMAT, GATE, IELTS, TOFEL, etc.. are also available in the main library to encourage the students to learn beyond the syllabus for competitive examinations and employment. Special classes are also arranged by the institute entrepreneurship cell to the students to encourage them to become an entrepreneur.

The Institute is also offers the following self-learning activities in the campus:

Classroom Presentation:

Allowing students to prepare and present a topic from the curriculum or any latest technology.

The following are the Self-Learning resources used by the students of GNITS:

Resources Provided for Self-learning

- SWAYAM
- NPTEL
- NPTEL-MOOC's
- NDLI
- MIT open courseware
- Coursera
- Web / Video Learning, Sonet Video Lessons
- Lecture Capturing System
- Youtube videos of faculty

e-Resources:**Table 9.4.1 List of e-Resources**

S.N o.	Name of the E-resources	Name of the service provider	URL
1	e – journals/e-books consortia	IEEE Digital Library	https://ieeexplore.ieee.org/ (https://ieeexplore.ieee.org/)
		DELNET	https://delnet.in/ (https://delnet.in/)
		J-GATE	https://jgateplus.com/home/ (https://jgateplus.com/home/)
		Knimbus	https://gnits.knimbus.com/user#/home (https://gnits.knimbus.com/user#/home)
		AICTE-e-KUMBH	https://ekumbh.aicte-india.org/allbook.php (https://ekumbh.aicte-india.org/allbook.php)
		e-PG Pathshala	https://epgp.inflibnet.ac.in/ (https://epgp.inflibnet.ac.in/)

2	e-ShodhSindh u	INFLIBNET	https://ess.inflibnet.ac.in/oes/memberhome.php (https://ess.inflibnet.ac.in/oes/memberhome.php)
3	e-Shodhganga	INFLIBNET	https://shodhganga.inflibnet.ac.in/ (https://shodhganga.inflibnet.ac.in/)
4	SWAYAM	NPTEL	https://archive.nptel.ac.in/LocalChapter/statistics/742/ (https://archive.nptel.ac.in/LocalChapter/statistics/742/)
5	Vidwan	INFLIBNET	https://vidwan.inflibnet.ac.in/ (https://vidwan.inflibnet.ac.in/)
6	IRINS	INFLIBNET	https://gnits.irins.org/ (https://gnits.irins.org/)
7	Remote Access	Knimbus	https://gnits.knimbus.com/user#/home (https://gnits.knimbus.com/user#/home)
8.	NDL	National Digital Library (NDL)	https://ndl.iitkgp.ac.in/ (https://ndl.iitkgp.ac.in/)
9.	Plagiarism	Turnitin Plagiarism checker	https://gnarayanamma.turnitin.com/ (https://gnarayanamma.turnitin.com/)
10	Library Web page	GNITS LIBRARY	http://gnitslibrry.pbaworks.com/ (http://gnitslibrry.pbaworks.com/)

SWAYAM:(Study Webs of Active-Learning for Young Aspiring Minds). Swayam is a platform that facilitates hosting of all the courses taught in classrooms to be accessed by anyone, anywhere anytime for self learning.

<https://swayam.gov.in> ([https://swayam.gov.in/](https://swayam.gov.in))

NPTEL :(National Programme on Technology Enhanced Learning). This is a project of MHRD initiated by seven IITS along with the IISC to provide quality education to anyone interested in self learning . The main goal is to create web and video courses in all major branches of engineering and technology. The objective of enabling students to obtain certificates for courses is to make students employable in the industry or pursue a suitable higher education programme.

<https://nptel.ac.in> ([https://nptel.ac.in/](https://nptel.ac.in))

<https://onlinecourses.nptel.ac.in> (<https://onlinecourses.nptel.ac.in>)

There is also mentoring system in NPTEL by staff .

Table 9.4.2. is the list of NPTEL courses completed by students /staff for the AY 22-23 :

Table 9.4.2. List of NPTEL Courses Completed by Students/Staff in 2022-2023

S.No.	Engineering Discipline	Name of Course & Date	No. of Student Enrolled
1	Computer Science and Engineering	Problem Solving Through Programming In C (July-Dec 2022)	26
2	Computer Science and Engineering	Programming In Java (July-Dec 2022)	10

3	Electronics and Communication Engineering	Demystifying Networking (July-Dec 2022)	2
4	Computer Science and Engineering	The Joy of Computing using Python (July-Dec 2022)	95
5	Computer Science and Engineering	Discrete Mathematics (July-Dec 2022)	1
6	Computer Science and Engineering	Deep Learning (July-Dec 2022)	1
7	Computer Science and Engineering	C Programming and Assembly Language (July-Dec 2022)	10
8	Computer Science and Engineering	Artificial Intelligence : Search Methods For Problem solving (July-Dec 2022)	1
9	Computer Science and Engineering	Programming, Data Structures And Algorithms Using Python (July-Dec 2022)	3
10	Computer Science and Engineering	Python for Data Science (July-Dec 2022)	2
11	Computer Science and Engineering	Introduction to Operating Systems (July-Dec 2022)	1
12	Computer Science and Engineering	Applied Accelerated Artificial Intelligence (July-Dec 2022)	4
13	Computer Science and Engineering	Data Science for Engineers (July-Dec 2022)	18
14	Computer Science and Engineering	Cloud Computing- Part 1 (July-Dec 2022)	5
15	Computer Science and Engineering	Computer Architecture And Organization (July-Dec 2022)	2
16	Computer Science and Engineering	Digital Circuits (July-Dec 2022)	1
17	Computer Science and Engineering	Discrete Mathematics (July-Dec 2022)	1
18	Computer Science and Engineering	Electrical Machines - I (July-Dec 2022)	1
19	Computer Science and Engineering	Ethical Hacking (July-Dec 2022)	15
20	Computer Science and Engineering	Functional Genomics (July-Dec 2022)	2
21	Computer Science and Engineering	Fundamentals of Artificial Intelligence (July-Dec 2022)	1
22	Computer Science and Engineering	Higher Engineering Mathematics (July-Dec 2022)	1
23	Computer Science and Engineering	Indian Fiction in English (July-Dec 2022)	1
24	Computer Science and Engineering	Innovation, Business Models and Entrepreneurship (July-Dec 2022)	1
25	Computer Science and Engineering	Integral Transforms and their Applications (July-Dec 2022)	1
26	Computer Science and Engineering	Introduction to Film studies (July-Dec 2022)	1
27	Computer Science and Engineering	Introduction to Internet of Things (July-Dec 2022)	13

28	Computer Science and Engineering	Introduction to Machine Learning (July-Dec 2022)	31
29	Computer Science and Engineering	Introduction to Operating Systems (July-Dec 2022)	2
30	Computer Science and Engineering	Introduction to Programming in C (July-Dec 2022)	1
31	Computer Science and Engineering	Introduction to Programming in C (July-Dec 2022)	41
32	Computer Science and Engineering	Machine Learning for Engineering and Science Applications (July-Dec 2022)	12
33	Computer Science and Engineering	Marketing Management-1 (July-Dec 2022)	1
34	Computer Science and Engineering	Modern Algebra (July-Dec 2022)	1
35	Computer Science and Engineering	Natural Language Processing (July-Dec 2022)	3
36	Computer Science and Engineering	Neural Networks for Signal Processing - I (July-Dec 2022)	3
37	Computer Science and Engineering	Operating System Fundamentals (July-Dec 2022)	1
38	Computer Science and Engineering	Practical Machine Learning with Tensorflow (July-Dec 2022)	8
39	Computer Science and Engineering	Problem Solving through Programming in C (July-Dec 2022)	22
40	Computer Science and Engineering	Programming in C++ (July-Dec 2022)	30
41	Computer Science and Engineering	Programming In Java (July-Dec 2022)	57
42	Computer Science and Engineering	Programming, Data Structures and Algorithms Using Python (July-Dec 2022)	49
43	Computer Science and Engineering	Python for Data Science (July-Dec 2022)	17
44	Computer Science and Engineering	Scalable Data Science (July-Dec 2022)	2
45	Computer Science and Engineering	Social Networks (July-Dec 2022)	1
46	Computer Science and Engineering	Software Engineering (July-Dec 2022)	16
47	Computer Science and Engineering	Stress Management (July-Dec 2022)	1
48	Computer Science and Engineering	Technical english for engineers (July-Dec 2022)	3
49	Computer Science and Engineering	The Ethical Corporation (July-Dec 2022)	1
50	Computer Science and Engineering	The Joy of Computing using Python (July-Dec 2022)	52
51	Electrical and Electronics Engineering	Advanced Linear Continuous Control Systems: Applications with MATLAB Programming and Simulink (July-Dec 2022)	3

52	Electrical and Electronics Engineering	An Introduction to Programming through C++ (July-Dec 2022)	12
53	Electrical and Electronics Engineering	Analog Electronic Circuit (July-Dec 2022)	16
54	Electrical and Electronics Engineering	Artificial Intelligence : Search Methods for Problem Solving (July-Dec 2022)	2
55	Electrical and Electronics Engineering	Basic Electric Circuits (July-Dec 2022)	25
56	Electrical and Electronics Engineering	Bioenergy (July-Dec 2022)	1
57	Electrical and Electronics Engineering	Body Language: Key to Professional Success (July-Dec 2022)	1
58	Electrical and Electronics Engineering	C Programming and Assembly Language (July-Dec 2022)	9
59	Electrical and Electronics Engineering	Calculus of One Real Variable (July-Dec 2022)	6
60	Electrical and Electronics Engineering	Computational Electromagnetics (July-Dec 2022)	1
61	Electrical and Electronics Engineering	Contemporary Architecture and Design (July-Dec 2022)	1
62	Electrical and Electronics Engineering	Control engineering (July-Dec 2022)	4
63	Electrical and Electronics Engineering	Control systems (July-Dec 2022)	2
64	Electrical and Electronics Engineering	Data Base Management System (July-Dec 2022)	12
65	Electrical and Electronics Engineering	Design Thinking - A Primer (July-Dec 2022)	1
66	Electrical and Electronics Engineering	Developing Soft Skills and Personality	3
67	Electrical and Electronics Engineering	Developing Soft Skills and Personality (July-Dec 2022)	2
68	Electrical and Electronics Engineering	Digital Signal Processing (July-Dec 2022)	5
69	Electrical and Electronics Engineering	E-Business (July-Dec 2022)	1
70	Electrical and Electronics Engineering	Electrical Distribution System Analysis (July-Dec 2022)	5
71	Electrical and Electronics Engineering	Electrical Machines (July-Dec 2022)	28
72	Electrical and Electronics Engineering	Electrical Machines - I (July-Dec 2022)	78
73	Electrical and Electronics Engineering	Electrical Measurement and Electronic Instruments (July-Dec 2022)	43
74	Electrical and Electronics Engineering	Energy Conservation and Waste Heat Recovery (July-Dec 2022)	1
75	Electrical and Electronics Engineering	Engineering Mechanics (July-Dec 2022)	1

76	Electrical and Electronics Engineering	Ergonomics in Automotive Design (July-Dec 2022)	1
77	Electrical and Electronics Engineering	Ethical Hacking (July-Dec 2022)	3
78	Electrical and Electronics Engineering	Fundamentals of Electric Drives (July-Dec 2022)	3
79	Electrical and Electronics Engineering	Fundamentals of Electrical and Electronics Engineering (July-Dec 2022)	14
80	Electrical and Electronics Engineering	Game theory (July-Dec 2022)	1
81	Electrical and Electronics Engineering	Higher Engineering Mathematics (July-Dec 2022)	1
82	Electrical and Electronics Engineering	Innovation, Business Models and Entrepreneurship (July-Dec 2022)	1
83	Electrical and Electronics Engineering	Integral Transforms and their Applications (July-Dec 2022)	1
84	Electrical and Electronics Engineering	Introduction to Internet of Things (July-Dec 2022)	1
85	Electrical and Electronics Engineering	Introduction to Machine Learning (July-Dec 2022)	3
86	Electrical and Electronics Engineering	Introduction to Mechanobiology (July-Dec 2022)	1
87	Electrical and Electronics Engineering	Introduction to Programming in C (July-Dec 2022)	23
88	Electrical and Electronics Engineering	Machine Learning for Engineering and Science Applications (July-Dec 2022)	1
89	Electrical and Electronics Engineering	Mapping Signal Processing Algorithms to Architectures (July-Dec 2022)	1
90	Electrical and Electronics Engineering	Mathematical Finance (July-Dec 2022)	1
91	Electrical and Electronics Engineering	Microelectronics: Devices to Circuits (July-Dec 2022)	1
92	Electrical and Electronics Engineering	Nanotechnology in Agriculture (July-Dec 2022)	1
93	Electrical and Electronics Engineering	Numerical methods (July-Dec 2022)	2
94	Electrical and Electronics Engineering	Numerical Methods and Simulation Techniques for Scientists and Engineers (July-Dec 2022)	1
95	Electrical and Electronics Engineering	Object oriented analysis and design (July-Dec 2022)	1
95	Electrical and Electronics Engineering	Op-Amp Practical Applications: Design, Simulation and Implementation (July-Dec 2022)	1

97	Electrical and Electronics Engineering	Positive Psychology (July-Dec 2022)	1
98	Electrical and Electronics Engineering	Power Electronics (July-Dec 2022)	5
99	Electrical and Electronics Engineering	Power System Analysis (July-Dec 2022)	15
100	Electrical and Electronics Engineering	Problem Solving through Programming in C (July-Dec 2022)	27
101	Electrical and Electronics Engineering	Programming in C++ (July-Dec 2022)	5
102	Electrical and Electronics Engineering	Programming In Java (July-Dec 2022)	13
103	Electrical and Electronics Engineering	Programming, Data Structures and Algorithms Using Python (July-Dec 2022)	3
104	Electrical and Electronics Engineering	Python for Data Science	5
105	Electrical and Electronics Engineering	Quantum Computing (July-Dec 2022)	1
106	Electrical and Electronics Engineering	Sensors and Actuators (July-Dec 2022)	2
107	Electrical and Electronics Engineering	Technologies for clean and renewable energy production (July-Dec 2022)	1
108	Electrical and Electronics Engineering	The Joy of Computing using Python (July-Dec 2022)	6
109	Electrical and Electronics Engineering	Toyota Production System (July-Dec 2022)	1
110	Electrical and Electronics Engineering	Training of Trainers (July-Dec 2022)	1
111	Electrical and Electronics Engineering	Working Capital Management (July-Dec 2022)	1
112	Electronics and Communication Engineering	Advanced Computer Architecture (July-Dec 2022)	2
113	Electronics and Communication Engineering	Advanced Linear Continuous Control Systems: Applications with MATLAB Programming and Simulink (July-Dec 2022)	8
114	Electronics and Communication Engineering	Advanced Linear Continuous Control Systems: Applications with MATLAB Programming and Simulink (July-Dec 2022)	1
115	Electronics and Communication Engineering	An Introduction to Programming through C++ (July-Dec 2022)	35
116	Electronics and Communication Engineering	Analog Communication (July-Dec 2022)	17
117	Electronics and Communication Engineering	Analog Electronic Circuit (July-Dec 2022)	8
118	Electronics and Communication Engineering	Applied Natural Language Processing (July-Dec 2022)	1
119	Electronics and Communication Engineering	Artificial Intelligence : Search Methods for Problem Solving (July-Dec 2022)	10

120	Electronics Communication Engineering	and	Artistic Exploration in Scientific Research and Technology (July-Dec 2022)	1
121	Electronics Communication Engineering	and	Basic Electric Circuits (July-Dec 2022)	46
122	Electronics Communication Engineering	and	Blockchain Architecture Design and Use Cases (July-Dec 2022)	2
123	Electronics Communication Engineering	and	Body Language: Key to Professional Success (July-Dec 2022)	18
124	Electronics Communication Engineering	and	Business Analytics & Data Mining Modeling Using R Part II (July-Dec 2022)	2
125	Electronics Communication Engineering	and	C Programming and Assembly Language (July-Dec 2022)	11
126	Electronics Communication Engineering	and	Calculus of One Real Variable (July- Dec 2022)	28
127	Electronics Communication Engineering	and	Calculus of Several Real Variables (July-Dec 2022)	2
128	Electronics Communication Engineering	and	Chemical Crystallography (July-Dec 2022)	1
129	Electronics Communication Engineering	and	Cloud Computing (July-Dec 2022)	7
130	Electronics Communication Engineering	and	Computational Electromagnetics (July-Dec 2022)	3
131	Electronics Communication Engineering	and	Computational Physics (July-Dec 2022)	1
132	Electronics Communication Engineering	and	Computer numerical control CNC of machine tools and processes (July- Dec 2022)	1
133	Electronics Communication Engineering	and	Computer Vision (July-Dec 2022)	2
134	Electronics Communication Engineering	and	Control engineering	2
135	Electronics Communication Engineering	and	Control systems	6
136	Electronics Communication Engineering	and	Data Base Management System (July-Dec 2022)	34
137	Electronics Communication Engineering	and	Data Science for Engineers (July- Dec 2022)	6
138	Electronics Communication Engineering	and	DC Microgrid (July-Dec 2022)	1
139	Electronics Communication Engineering	and	Decision-Making Under Uncertainty (July-Dec 2022)	2

140	Electronics Communication Engineering	and	Deep Learning - Part 1 (July-Dec 2022)	3
141	Electronics Communication Engineering	and	Demystifying Networking (July-Dec 2022)	1
142	Electronics Communication Engineering	and	Design and analysis of algorithms (July-Dec 2022)	2
143	Electronics Communication Engineering	and	Design of fixed wing Unmanned Aerial Vehicles (July-Dec 2022)	1
144	Electronics Communication Engineering	and	Design Thinking - A Primer (July-Dec 2022)	11
145	Electronics Communication Engineering	and	Design Thinking - A Primer (July-Dec 2022)	3
146	Electronics Communication Engineering	and	Developing Soft Skills and Personality (July-Dec 2022)	17
147	Electronics Communication Engineering	and	Digital Circuits (July-Dec 2022)	44
148	Electronics Communication Engineering	and	Digital Image Processing (July-Dec 2022)	20
149	Electronics Communication Engineering	and	Digital Switching - I (July-Dec 2022)	4
150	Electronics Communication Engineering	and	Discrete Mathematics (July-Dec 2022)	3
151	Electronics Communication Engineering	and	Electrical Distribution System Analysis (July-Dec 2022)	1
152	Electronics Communication Engineering	and	Electrical Machines - I (July-Dec 2022)	1
153	Electronics Communication Engineering	and	Electrical Machines (July-Dec 2022)	1
154	Electronics Communication Engineering	and	Electrical Machines (July-Dec 2022)	2
155	Electronics Communication Engineering	and	Electrical Measurement and Electronic Instruments (July-Dec 2022)	2
156	Electronics Communication Engineering	and	Ethical Hacking (July-Dec 2022)	18
157	Electronics Communication Engineering	and	Ethics in Engineering Practice (July-Dec 2022)	2
158	Electronics Communication Engineering	and	Experimental Physics - II (July-Dec 2022)	1
159	Electronics Communication Engineering	and	Fabrication Techniques for MEMS-Based Sensors: Clinical Perspective (July-Dec 2022)	2

160	Electronics Communication Engineering	and	Fiber-Optic Communication Systems and Techniques (July-Dec 2022)	1
161	Electronics Communication Engineering	and	Fundamentals of Artificial Intelligence (July-Dec 2022)	5
162	Electronics Communication Engineering	and	Fundamentals of Electric Drives (July-Dec 2022)	1
163	Electronics Communication Engineering	and	Fundamentals of Electrical and Electronics Engineering (July-Dec 2022)	1
164	Electronics Communication Engineering	and	Fundamentals of electronic device fabrication (July-Dec 2022)	1
165	Electronics Communication Engineering	and	Fundamentals of micro and nanofabrication (July-Dec 2022)	1
166	Electronics Communication Engineering	and	Game theory (July-Dec 2022)	2
167	Electronics Communication Engineering	and	Genetic Engineering: Theory and Application (July-Dec 2022)	1
168	Electronics Communication Engineering	and	German-I (July-Dec 2022)	5
169	Electronics Communication Engineering	and	Global Navigation Satellite Systems and Applications (July-Dec 2022)	2
170	Electronics Communication Engineering	and	Hardware modeling using verilog (July-Dec 2022)	1
171	Electronics Communication Engineering	and	Higher Engineering Mathematics (July-Dec 2022)	1
172	Electronics Communication Engineering	and	Human Computer Interactions (July- Dec 2022)	1
173	Electronics Communication Engineering	and	Inclusion and Technology Design (July-Dec 2022)	1
174	Electronics Communication Engineering	and	Infrared Spectroscopy for Pollution Monitoring (July-Dec 2022)	1
175	Electronics Communication Engineering	and	Innovation by Design (July-Dec 2022)	1
176	Electronics Communication Engineering	and	Innovation, Business Models and Entrepreneurship (July-Dec 2022)	1
177	Electronics Communication Engineering	and	Integral Transforms and their Applications (July-Dec 2022)	3
178	Electronics Communication Engineering	and	Integral Transforms and their Applications (July-Dec 2022)	1

179	Electronics Communication Engineering	and	Intermediate Level of Spoken Sanskrit (July-Dec 2022)	1
180	Electronics Communication Engineering	and	Interpersonal Skills (July-Dec 2022)	1
181	Electronics Communication Engineering	and	Introduction to Abstract and Linear Algebra (July-Dec 2022)	2
182	Electronics Communication Engineering	and	Introduction to Abstract and Linear Algebra (July-Dec 2022)	1
183	Electronics Communication Engineering	and	Introduction to Abstract Group Theory (July-Dec 2022)	1
184	Electronics Communication Engineering	and	Introduction to Electromagnetic Theory (July-Dec 2022)	10
185	Electronics Communication Engineering	and	Introduction to Fuzzy Set Theory, Arithmetic and Logic (July-Dec 2022)	11
186	Electronics Communication Engineering	and	Introduction to Internet of Things (July-Dec 2022)	39
187	Electronics Communication Engineering	and	Introduction to Japanese Language and Culture (July-Dec 2022)	1
188	Electronics Communication Engineering	and	Introduction to Machine Learning (July-Dec 2022)	23
189	Electronics Communication Engineering	and	Introduction to methods of Applied Mathematics (July-Dec 2022)	1
190	Electronics Communication Engineering	and	Introduction to Operating Systems (July-Dec 2022)	2
191	Electronics Communication Engineering	and	Introduction to Parallel Programming in Open MP (July-Dec 2022)	1
192	Electronics Communication Engineering	and	Introduction to Programming in C (July-Dec 2022)	56
193	Electronics Communication Engineering	and	Introduction to R Software (July-Dec 2022)	1
194	Electronics Communication Engineering	and	Introduction to Rings and Fields (July-Dec 2022)	1
195	Electronics Communication Engineering	and	Introduction to Smart Grid (July-Dec 2022)	2
196	Electronics Communication Engineering	and	Introduction to Statistical Mechanics (July-Dec 2022)	1
197	Electronics Communication Engineering	and	Introduction to Wireless and Cellular Communications (July-Dec 2022)	5
198	Electronics Communication Engineering	and	Introduction to Wireless and Cellular Communications (July-Dec 2022)	2

199	Electronics Communication Engineering	and	Linear System Theory (July-Dec 2022)	1
200	Electronics Communication Engineering	and	Machine Learning for Engineering and Science Applications (July-Dec 2022)	3
201	Electronics Communication Engineering	and	Machine Learning for Engineering and Science Applications (July-Dec 2022)	2
202	Electronics Communication Engineering	and	Mapping Signal Processing Algorithms to Architectures (July-Dec 2022)	1
203	Electronics Communication Engineering	and	Mapping Signal Processing Algorithms to Architectures (July-Dec 2022)	1
204	Electronics Communication Engineering	and	Mathematical Finance (July-Dec 2022)	1
205	Electronics Communication Engineering	and	Mathematical Methods for Boundary Value Problems (July-Dec 2022)	1
206	Electronics Communication Engineering	and	Matrix Analysis with Applications (July-Dec 2022)	1
207	Electronics Communication Engineering	and	Microelectronics: Devices to Circuits (July-Dec 2022)	8
208	Electronics Communication Engineering	and	Microelectronics: Devices to Circuits (July-Dec 2022)	1
209	Electronics Communication Engineering	and	Microwave Engineering (July-Dec 2022)	2
210	Electronics Communication Engineering	and	Microwave Engineering (July-Dec 2022)	1
211	Electronics Communication Engineering	and	Microwave Theory and Techniques (July-Dec 2022)	2
212	Electronics Communication Engineering	and	Modern Algebra (July-Dec 2022)	2
213	Electronics Communication Engineering	and	Neural Networks for Signal Processing - I (July-Dec 2022)	2
214	Electronics Communication Engineering	and	Neural Networks for Signal Processing - I (July-Dec 2022)	1
215	Electronics Communication Engineering	and	Numerical methods (July-Dec 2022)	2
216	Electronics Communication Engineering	and	Numerical methods (July-Dec 2022)	2
217	Electronics Communication Engineering	and	Numerical methods (July-Dec 2022)	1
218	Electronics Communication Engineering	and	Numerical Methods and Simulation Techniques for Scientists and Engineers (July-Dec 2022)	2

219	Electronics Communication Engineering	and	Object oriented analysis and design (July-Dec 2022)	1
220	Electronics Communication Engineering	and	Op-Amp Practical Applications: Design, Simulation and Implementation (July-Dec 2022)	15
221	Electronics Communication Engineering	and	Operating System Fundamentals (July-Dec 2022)	2
222	Electronics Communication Engineering	and	Operations Research (July-Dec 2022)	1
223	Electronics Communication Engineering	and	Patent Drafting for Beginners (July- Dec 2022)	1
224	Electronics Communication Engineering	and	Path Integral and functional methods in quantum field theory (July-Dec 2022)	1
225	Electronics Communication Engineering	and	Path Integral and functional methods in quantum field theory (July-Dec 2022)	1
226	Electronics Communication Engineering	and	Pattern Recognition and Application (July-Dec 2022)	1
227	Electronics Communication Engineering	and	Pattern Recognition and Application (July-Dec 2022)	1
228	Electronics Communication Engineering	and	Physics of Turbulence (July-Dec 2022)	1
229	Electronics Communication Engineering	and	Positive Psychology (July-Dec 2022)	1
230	Electronics Communication Engineering	and	Power Electronics (July-Dec 2022)	1
231	Electronics Communication Engineering	and	Power Electronics (July-Dec 2022)	1
232	Electronics Communication Engineering	and	Power System Analysis (July-Dec 2022)	1
233	Electronics Communication Engineering	and	Practical Machine Learning with Tensorflow (July-Dec 2022)	1
234	Electronics Communication Engineering	and	Practical Machine Learning with Tensorflow (July-Dec 2022)	2
235	Electronics Communication Engineering	and	Principles and Techniques of Modern Radar Systems (July-Dec 2022)	1
236	Electronics Communication Engineering	and	Principles of Communication Systems - Part II (July-Dec 2022)	21
237	Electronics Communication Engineering	and	Principles of Communication Systems - Part II (July-Dec 2022)	1
238	Electronics Communication Engineering	and	Principles of Modern CDMA/ MIMO/ OFDM Wireless Communications (July-Dec 2022)	9

239	Electronics and Communication Engineering	Principles of Modern CDMA/MIMO/ OFDM Wireless Communications (July-Dec 2022)	1
240	Electronics and Communication Engineering	Problem Solving through Programming in C (July-Dec 2022)	43
241	Electronics and Communication Engineering	Problem Solving through Programming in C (July-Dec 2022)	4
242	Electronics and Communication Engineering	Programming in C++ (July-Dec 2022)	18
243	Electronics and Communication Engineering	Programming In Java (July-Dec 2022)	37
244	Electronics and Communication Engineering	Programming In Java (July-Dec 2022)	1
245	Electronics and Communication Engineering	Programming, Data Structures and Algorithms Using Python (July-Dec 2022)	29
246	Electronics and Communication Engineering	Programming, Data Structures and Algorithms Using Python (July-Dec 2022)	2
247	Electronics and Communication Engineering	Programming, Data Structures and Algorithms Using Python (July-Dec 2022)	2
248	Electronics and Communication Engineering	Psychology of Everyday	15
249	Electronics and Communication Engineering	Psychology of Everyday (July-Dec 2022)	1
250	Electronics and Communication Engineering	Python for Data Science (July-Dec 2022)	1
251	Electronics and Communication Engineering	Quantum Computing (July-Dec 2022)	1
252	Electronics and Communication Engineering	Regression analysis (July-Dec 2022)	1
253	Electronics and Communication Engineering	Robotics (July-Dec 2022)	3
254	Electronics and Communication Engineering	Sensors and Actuators (July-Dec 2022)	3
255	Electronics and Communication Engineering	Social Networks (July-Dec 2022)	1
256	Electronics and Communication Engineering	Soft skills (July-Dec 2022)	4
257	Electronics and Communication Engineering	Software Project Management (July-Dec 2022)	1
258	Electronics and Communication Engineering	Solar Photovoltaics Fundamentals, Technology and Applications (July-Dec 2022)	1

259	Electronics Communication Engineering	and	Solid State Physics (July-Dec 2022)	1
260	Electronics Communication Engineering	and	Stochastic Processes (July-Dec 2022)	1
261	Electronics Communication Engineering	and	Stress Management (July-Dec 2022)	3
262	Electronics Communication Engineering	and	Switching Circuits and Logic Design (July-Dec 2022)	38
263	Electronics Communication Engineering	and	Synthesis of Digital Systems (July- Dec 2022)	2
264	Electronics Communication Engineering	and	Technical english for engineers (July-Dec 2022)	10
265	Electronics Communication Engineering	and	The Joy of Computing using Python (July-Dec 2022)	54
266	Electronics Communication Engineering	and	The Psychology of Language (July- Dec 2022)	1
267	Electronics Communication Engineering	and	Theoretical Mechanics (July-Dec 2022)	1
268	Electronics Communication Engineering	and	Understanding Design (July-Dec 2022)	1
269	Electronics Communication Engineering	and	Waves and Oscillations (July-Dec 2022)	1
270	Electronics Communication Engineering	and	Work System Design (July-Dec 2022)	1
271	Information Technology		An Introduction to Programming through C++ (July-Dec 2022)	1
272	Information Technology		An Introduction to Programming through C++ (July-Dec 2022)	36
273	Information Technology		Applied Natural Language Processing (July-Dec 2022)	3
274	Information Technology		Artificial Intelligence : Search Methods for Problem Solving (July- Dec 2022)	8
275	Information Technology		Blockchain Architecture Design and Use Cases (July-Dec 2022)	4
276	Information Technology		Body Language: Key to Professional Success(July-Dec 2022)	1
277	Information Technology		C Programming and Assembly Language (July-Dec 2022)	1
278	Information Technology		C Programming and Assembly Language (July-Dec 2022)	6
279	Information Technology		Calculus of One Real Variable (July- Dec 2022)	1

280	Information Technology	Calculus of One Real Variable (July-Dec 2022)	10
281	Information Technology	Cloud Computing (July-Dec 2022)	16
282	Information Technology	Corporate Social Responsibility (July-Dec 2022)	1
283	Information Technology	Data Base Management System (July-Dec 2022)	43
284	Information Technology	Data Science for Engineers (July-Dec 2022)	6
285	Information Technology	Deep Learning (July-Dec 2022)	1
286	Information Technology	Demystifying Networking (July-Dec 2022)	8
287	Information Technology	Design and analysis of algorithms (July-Dec 2022)	59
288	Information Technology	Developing Soft Skills and Personality (July-Dec 2022)	14
289	Information Technology	Development Research Methods (July-Dec 2022)	1
290	Information Technology	Digital Circuits (July-Dec 2022)	1
291	Information Technology	Engineering Mechanics (July-Dec 2022)	1
292	Information Technology	Ethical Hacking	36
293	Information Technology	Fundamentals of Artificial Intelligence (July-Dec 2022)	1
294	Information Technology	Gender Justice and Workplace Security	3
295	Information Technology	Introduction to Internet of Things (July-Dec 2022)	20
296	Information Technology	Introduction to Machine Learning (July-Dec 2022)	71
297	Information Technology	Introduction to Operating Systems (July-Dec 2022)	1
298	Information Technology	Introduction to Programming in C (July-Dec 2022)	22
299	Information Technology	Introduction to Programming in C (July-Dec 2022)	1
300	Information Technology	Machine Learning for Engineering and Science Applications (July-Dec 2022)	12
301	Information Technology	Natural Language Processing (July-Dec 2022)	1
302	Information Technology	Object oriented analysis and design (July-Dec 2022)	3
303	Information Technology	Operating System Fundamentals (July-Dec 2022)	1
304	Information Technology	Pattern Recognition and Application (July-Dec 2022)	1
304	Information Technology	Positive Psychology (July-Dec 2022)	2

305	Information Technology	Practical Machine Learning with Tensorflow (July-Dec 2022)	2
306	Information Technology	Problem Solving through Programming in C (July-Dec 2022)	11
307	Information Technology	Programming in C++ (July-Dec 2022)	48
308	Information Technology	Programming In Java (July-Dec 2022)	73
309	Information Technology	Programming, Data Structures and Algorithms Using Python (July-Dec 2022)	74
310	Information Technology	Psychology of Everyday (July-Dec 2022)	3
311	Information Technology	Python for Data Science (July-Dec 2022)	27
312	Information Technology	Quantum Computing (July-Dec 2022)	1
313	Information Technology	Social Networks (July-Dec 2022)	3
314	Information Technology	Soft skills (July-Dec 2022)	1
315	Information Technology	Software Engineering (July-Dec 2022)	14
316	Information Technology	Software Project Management (July-Dec 2022)	5
317	Information Technology	Software testing (July-Dec 2022)	3
318	Information Technology	Technical english for engineers (July-Dec 2022)	1
319	Information Technology	The Joy of Computing using Python (July-Dec 2022)	34
320	Information Technology	Theory of Computation (July-Dec 2022)	1

Table 9.4.3. List of Mentors for NPTEL Courses completed by Students

S.no	Mentor Name(Faculty)	Course Id	Course Name	Mentee count
1	Vulugundam Anitha	noc22-cs102	Programming In Java	12
2	D.Anusha	noc22-cs100	Operating System Fundamentals	2
3	T.Aparna	noc22-cs102	Programming In Java	1
4	Seshabargavi Velagaleti	noc22-cs97	Introduction to Machine Learning	9
5	Dr. Sasidhar Bola	noc22-cs102	Programming In Java	6
6	Chandra Shaker Arrabotu	noc22-cs92	Data Structure and Algorithms using Java	1
7	Chandra Shaker Arrabotu	noc22-cs95	Introduction To Industry 4.0 And Industrial Internet Of Things	4
8	Ch. Radhika	noc22-cs88	Computer architecture and organization	2
9	S Sandhya	noc22-cs100	Operating System Fundamentals	18
10	K. Gnana Prasuna	noc22-cs100	Operating System Fundamentals	5

11	K Sridevi	noc22-cs122	The Joy of Computing using Python	40
12	Adabala Sneha Keerthi	noc22-cs97	Introduction to Machine Learning	2
13	Adabala Sneha Keerthi	noc22-ee110	Digital Circuits	1
14	Chleelakrishna	noc22-cs101	Problem Solving Through Programming In C	1
15	Dr.D.V.Lalita Parameswari	noc22-cs100	Operating System Fundamentals	12
16	Ch Mandakini	noc22-cs122	The Joy of Computing using Python	30
17	Akula Nageswari	noc22-cs101	Problem Solving Through Programming In C	1
18	N.Divya	noc22-cs122	The Joy of Computing using Python	21
19	Nagababu Garigipati	noc22-cs88	Computer architecture and organization	24
20	Ooruchintala Obulesu	noc22-cs91	Data Base Management System	11
21	N Ramakrishna	noc22-cs122	The Joy of Computing using Python	2
22	N Ramakrishna	noc22-mg75	Design Thinking - A Primer	1
23	Roja Gurrupu	noc22-cs102	Programming In Java	36
24	Supriya Vaddi	noc22-cs97	Introduction to Machine Learning	7
25	T Ammannamma	noc22-cs101	Problem Solving Through Programming In C	1
26	Vadde Usha	noc22-cs122	The Joy of Computing using Python	12
27	N Venkateswarulu	noc22-cs122	The Joy of Computing using Python	44

Massive Open Online Courses (MOOCs)

MOOCs provide an free and flexible platform to learn new skills to advance career for staff and deliver quality education at large scale. It offers certificates from IITS / IISC for those who completed the courses successfully.

<https://mooc.org> (<https://mooc.org/>)

NDLI (National Digital Library of India): This is a virtual repository of learning resources which is not just a repository with search/browse facilities but also provides a host of services including textbooks, articles, videos, audios, lectures and all other kinds of learning materials for the self learning users.

<https://ndl.iitkgp.ac.in> (<https://ndl.iitkgp.ac.in/>) www.ndl.gov.in (<http://www.ndl.gov.in/>)

MIT Open (MIT Open courseware): This courseware is an online publication of material from over 2,500 MIT courses, freely sharing knowledge with learners and educators around the world. MIT could be accessed in the Central Library. (Free online course Material)

www.ocw.mit.edu (<http://www.ocw.mit.edu/>)

COURSERA: Coursera is a U.S.-based unlimited online learning platform that has access to learning course and Professional Certificates you can earn a certificate for every Learning Programme that you have completed.

www.coursera.org (<http://www.coursera.org/>)

SONET (Society for Networking for Excellence in Technical education):

The Department of Technical education, State Govt., as part of its efforts for networking for excellence in technical education has initiated an innovative teaching methodology. The project develops CD's, DVD's containing Lectures on various engineering subjects which is sent to the Colleges for Self-learning.

Additional Resources for online learning for staff and students are encouraged with following facilities:

- Digital Library has been established in the central Library
- Web based learning

- Learning club activities
- Webinars
- Internet & facility free and open learning environment
- Department Library
- e-learning materials has been prepared by the department faculty
- Institutional e-repositories
- EBSCO IEEE online Journals
- DELNET-online Journals
- J-GATE Database
- Open sources self-learning databases.
- Campus provide Wi-Fi facility.
- Library on web (<http://gnitslibrary.pbworks.com/> (<http://gnitslibrary.pbworks.com/>))

Coursera

Coursera offers more than 3,800 cutting-edge courses, all taught by top instructors from over 200 leading universities and companies like Yale, University of Michigan, Google and IBM.

Table 9.4.4 shows the list of students and faculty who have Completed Coursera modules

Table 9.4.4. List of students and faculty who have Completed Coursera modules

Full Name	Join Date	Enrollments	# Enrollments
G.Sai Lalitha	2024-01-03T14:51:22.095Z	Machine Learning Pipelines with Azure ML Studio	1
Ravali K	2022-03-07T05:19:43.702Z	Business Analytics for Decision Making	1
Athkuri Sahithi	2022-01-24T18:33:58.037Z	Introduction to HTML5,Web Design for Everybody: Basics of Web Development & Coding	1
Shravani Athkuri	2021-10-05T08:54:03.380Z	An Introduction to Interactive Programming in Python (Part 1)	1
Nabila hashim	2023-10-25T00:48:10.374Z	Using Basic Formulas and Functions in Microsoft Excel,Introduction to Business Analysis Using Spreadsheets: Basics,Business Analysis & Process Management,Build a Data Science Web App with Streamlit and Python,Introduction to Data Analysis using Microsoft Excel,Conditional Formatting, Tables and Charts in Microsoft Excel	6

Dr Renuka Devi	2023-10-14T06:18:44.925Z	Deep Learning with PyTorch : Image Segmentation ,Deep Learning with PyTorch : Neural Style Transfer,Deep Learning with PyTorch : Generative Adversarial Network,Basic Image Classification with TensorFlow	4
Abhigna Nadupalli	2021-10-05T08:53:29.836Z	Web Application Technologies and Django	1
Achala.M	2021-10-05T08:53:39.306Z		1
Padmaja C	2023-07-14T17:37:20.762Z	Create Your First Python Program From UST	1
Affifa	2021-10-05T08:54:06.665Z	Create and Design Digital Products using Canva,Engineering Project Management: Scope, Time and Cost Management	2
Aishwarya Mundrati	2021-10-05T08:53:26.039Z	Introduction to the Internet of Things and Embedded Systems,An Introduction to Programming the Internet of Things (IOT)	1
Akhila.A.R	2021-11-25T06:00:32.207Z	Preparing to Manage Human Resources,Human Resource Management: HR for People Managers	1
Aswitha sammeta	2023-01-30T16:59:01.503Z	Creating a Budget with Microsoft Excel,Command Line in Linux,Introduction to Microsoft Excel,AWS S3 Basics,Introduction to Bash Shell Scripting	5
D.Akhila	2021-10-05T08:53:48.900Z	Programming for Everybody (Getting Started with Python)	1
Akshara Reddy	2021-10-05T08:54:08.393Z	Build a Data Science Web App with Streamlit and Python,Introduction to Artificial Intelligence (AI),Create a Superhero Name Generator with TensorFlow,Introduction to Discrete Mathematics for Computer Science	3
Akshitha shesham	2023-01-26T08:37:34.368Z	Azure Synapse SQL Pool - Implement Polybase	1
Akshitha Bandari	2021-10-05T08:53:46.422Z	HTML, CSS, and Javascript for Web Developers	1
Alekhya Pathak	2021-10-05T08:53:51.655Z	IoT (Internet of Things) Wireless & Cloud Computing Emerging Technologies	1
Leela	2021-10-05T08:53:32.371Z	Web Application Technologies and Django	1
Amrutha Sai.E	2021-12-13T12:00:56.861Z	Deep Learning with PyTorch : Image Segmentation ,Technical Support Fundamentals,Create a Profile and Network on LinkedIn	3

Amulya Dasari	2021-10-05T08:53:42.377Z	Business Analytics for Decision Making	1
Amulya Gajjela	2021-10-05T08:54:03.324Z	HTML, CSS, and Javascript for Web Developers	1
Kavyareddy	2023-01-27T22:32:37.160Z	Build your first Machine Learning Pipeline using Dataiku	2
Potu Bhargavi	2022-08-23T14:00:27.897Z	Modern JavaScript: ES6 Basics	1
K.MANASVI RAO	2022-08-03T15:26:55.403Z	Business Analysis & Process Management	1
G.Anoohya	2021-10-05T08:53:32.553Z	Foundations: Data, Data, Everywhere,Google Data Analytics	1
Anusha Dokka	2021-10-05T08:53:46.734Z	Build a Full Website using WordPress,Full-Stack Web Development with React	2
A. Anusha Reddy	2021-10-05T08:53:40.566Z	Foundations: Data, Data, Everywhere,Google Data Analytics	1
Arpita Bejugam	2021-10-05T08:54:07.822Z	Foundations: Data, Data, Everywhere,Google Data Analytics,Data Science	1
Arukala Sahithi	2023-06-19T10:12:12.264Z	Modern JavaScript: ES6 Basics	1
V.BHUVANAN I	2021-10-05T08:53:51.642Z	Programming Foundations with JavaScript, HTML and CSS	1
V. Tejitha	2022-04-08T07:42:02.503Z	Create Your First Python Program From UST	2
S.Vidya	2021-10-05T08:53:26.586Z	Digital Systems: From Logic Gates to Processors	1
Ayesha Fatima	2021-10-05T08:53:50.894Z	Business Model Canvas: A Tool for Entrepreneurs and Innovators (Project-Centered Course)	1
Ayushi Verma	2021-10-05T08:53:54.322Z	Foundations: Data, Data, Everywhere,Create a Financial Statement using Microsoft Excel,Investment Risk Management,Google Data Analytics	3
Chareeshma yerrabathina	2022-03-31T05:27:26.789Z	Fine Tune BERT for Text Classification with TensorFlow,Deep Learning with PyTorch : Neural Style Transfer,Deep Learning with PyTorch : Generative Adversarial Network	3
B.Abhinaya	2021-10-05T08:53:51.973Z	JavaScript Basics,Google Project Management,JavaScript for Beginners	1
Bandi Vidya Sree	2021-10-05T08:53:56.251Z	Crash Course on Python,Google IT Automation with Python,Android App Development	1

Nunna Bharathi Sri Divya	2023-07-07T10:18:57.361Z	Create a Financial Statement using Microsoft Excel	1
Bhargavi Chinthala	2021-10-05T08:53:24.755Z	Troubleshooting and Debugging Techniques	1
Kalyani Bhargavi	2021-10-05T08:53:35.644Z	Tweet Emotion Recognition with TensorFlow	1
Naha babu	2022-03-31T05:24:13.170Z	Deep Learning with PyTorch : Image Segmentation ,AWS S3 Basics	2
G Bhavya Sree	2022-03-31T05:15:56.586Z	Custom Prediction Routine on Google AI Platform,Azure: create a REST API using NodeJS Serverless Functions,AWS S3 Basics	3
Kallem Bhuvaneshwari Reddy	2021-10-05T08:53:45.710Z	Cybersecurity and the Internet of Things	1
P Buchibabu	2021-10-05T08:53:37.146Z	Introduction to FPGA Design for Embedded Systems,Algorithms for Battery Management Systems,FPGA Design for Embedded Systems	1
R.V.SUMANA	2022-03-26T13:00:07.475Z	Foundations: Data, Data, Everywhere,Google Data Analytics	1
Ch Swathi	2021-10-05T08:53:57.017Z	Python Functions, Files, and Dictionaries,Preparing for Google Cloud Certification: Cloud Architect,Python 3 Programming	1
Ch Swathi	2021-10-05T08:54:04.057Z	Cybersecurity Roles, Processes & Operating System Security	1
Chakilam Naina	2021-10-05T08:53:51.106Z	Programming for Everybody (Getting Started with Python),Python for Everybody	1
Challa sai charitha	2021-10-05T08:53:41.445Z	Java for Android,Build a Data Science Web App with Streamlit and Python,Introduction to Basic Game Development using Scratch,Django for Everybody	5
Abhigna	2022-03-08T07:02:50.660Z	Crash Course on Python,Google IT Automation with Python	1
18251A05C2 ARCOT SUPRIYA	2022-03-07T04:46:21.029Z	Introduction to Data Analytics for Business,Advanced Business Analytics	1
Chekuri sai sri keerthana	2021-10-05T08:53:37.817Z	Internet of Things: How did we get here?,Google IT Support	1
Ch Akila	2021-10-05T08:53:39.303Z	Creative Writing: The Craft of Plot,Creative Writing	1
Ch.Tejaswini	2021-10-05T08:53:36.637Z	Django Features and Libraries,Data Structures and Algorithms	1
Chinnala Anusha	2021-10-05T08:54:04.174Z	Build a mobile app with Google Sheets on Glide and no coding	1

Siri chandana.A	2021-10-05T08:53:46.143Z	VLSI CAD Part I: Logic	1
D.Aparna	2021-10-05T08:53:39.195Z	Java for Android,Android App Development	1
M.Darpana Reddy	2021-10-11T04:40:46.620Z	Social Psychology	1
Ravula Deeksha	2021-10-05T08:54:02.365Z	Creacion de prototipos de alta fidelidad en Figma,Introduction to HTML5,Build a Full Website using WordPress,Web Design for Everybody: Basics of Web Development & Coding	4
Deekshitha Matam	2021-10-05T08:53:51.473Z	Introduction to Data Analytics for Business	1
Deekshitha	2021-10-05T08:53:49.448Z	Machine Learning Pipelines with Azure ML Studio,Google Data Studio - Creation de Tableaux de Bords Interactifs,HTML, CSS, and Javascript for Web Developers	3
GAJJELA SRI DEEPTHI	2022-11-07T18:39:58.457Z	Introduction to Microsoft Excel	1
DHANNARAM SHIVANI	2021-10-05T08:53:37.253Z	AI For Everyone	1
dibyadarshani patra	2021-10-05T08:53:36.498Z	Create Serverless Applications ,Microsoft Azure Developer Associate (AZ-204),Blockchain Revolution in Financial Services,Blockchain Revolution	1
Diksha Kaul	2021-10-05T08:53:41.243Z	Fundamentals of Audio and Music Engineering: Part 1 Musical Sound & Electronics	1

N Ramakrishna	2021-10-20T04:54:25.516Z	Deep Learning with PyTorch : Image Segmentation ,Creating a Budget with Microsoft Excel,Create a Simple Gantt Chart using Microsoft Excel,Custom Prediction Routine on Google AI Platform,Creating Interactive Learning Videos with Edpuzzle,Create Your First Web App with Python and Flask,Introduction to Microsoft Excel,Getting Started with Kaggle,Improving Content Mastery with Quizlet,Exploratory Data Analysis with Seaborn,Hyperparameter Tuning with Keras Tuner,Create a Profile and Network on LinkedIn,Basic Image Classification with TensorFlow,Neural Networks and Deep Learning,Overview of Data Visualization,Deep Learning	15
Dodda Vyshali	2021-10-05T08:53:53.462Z	Java Programming: Solving Problems with Software,AWS Fundamentals	1
D.Ashritha	2021-11-17T10:28:37.066Z	HTML, CSS, and Javascript for Web Developers	1
C.Saraswathi	2021-10-05T08:54:06.837Z	Excel Skills for Business: Essentials,Excel Skills for Business	1
MADHULIKA ERUKULLA	2021-10-05T08:53:45.477Z	Google Cloud Fundamentals: Core Infrastructure,Google IT Automation with Python,Preparing for Google Cloud Certification: Cloud DevOps Engineer	1
Adiraju Gayathri	2021-10-05T08:54:05.738Z	Crash Course on Python,Google IT Automation with Python,AWS Fundamentals	1
FAIZA FATIMA	2021-10-05T08:53:36.311Z	Share Data Through the Art of Visualization	1
NIMMALA HARSHITHA	2021-10-05T08:54:05.323Z	Python Basics,Python for Everybody,Python 3 Programming	1
Rucha Dhodapkar	2021-10-05T08:54:05.182Z	Build a Data Science Web App with Streamlit and Python,Create Your First Web App with Python and Flask,Foundations: Data, Data, Everywhere,Google Data Analytics	3
G.Sushma	2021-10-05T08:53:24.751Z	Machine Learning Foundations: A Case Study Approach,Digital Marketing,Machine Learning	1

G.Harika	2021-10-05T08:53:47.316Z	Open Source Software Development Methods,Open Source Software Development, Linux and Git	1
G.nikhitha	2021-10-05T08:53:37.733Z	Crash Course on Python,Google IT Automation with Python	1
Gayatri Shastri	2021-10-05T08:53:35.650Z	AWS S3 Basics,Building Scalable Java Microservices with Spring Boot and Spring Cloud	2
GBNS SUCHARITHA	2022-12-29T12:36:37.366Z	Create Your First Web App with Python and Flask,Machine Learning Pipelines with Azure ML Studio	2
Gadireddi Chaitanya Deepti	2023-02-06T07:27:40.779Z	Azure: Create a Virtual Machine and Deploy a Web Server,Machine Learning Pipelines with Azure ML Studio	2
Guda Dharani	2021-10-05T08:53:59.896Z		1
Nabeela Akhtar	2021-10-05T08:54:04.328Z	Foundations of User Experience (UX) Design,Google UX Design	1
G Hasitha	2021-10-05T08:53:27.316Z	Convolutional Neural Networks,Graphic Design	1
G.Lakshmi Tejaswy	2022-05-16T17:25:38.029Z	5 Ways to Build a Better LinkedIn Profile,Utilize LinkedIn for Career Search,Preparation for Job Interviews,Accomplishment STAR Techniques for Job Interviews,Create a Profile and Network on LinkedIn,Modern JavaScript: ES6 Basics	6
Chetkuri Gouthami	2021-10-05T08:53:32.723Z	Programming for Everybody (Getting Started with Python)	1
Didla Grace meghna	2023-01-04T06:10:58.650Z	Build a Data Science Web App with Streamlit and Python	2
G Sumitra Priyamvada	2021-10-05T08:54:06.183Z	Financial Markets	1
G.Rajini	2021-10-05T08:53:56.617Z	Algorithmic Toolbox,Data Structures and Algorithms	1
Chindam Hari Prasad	2021-10-05T08:53:48.376Z	Crash Course on Python,Google IT Automation with Python	1
Harika Endrala	2021-10-05T08:53:54.063Z	Spring MVC, Spring Boot and Rest Controllers	1
Kolipaka Harikha	2021-10-05T08:53:51.442Z	Machine Learning Foundations: A Case Study Approach	1
Ala Harini	2021-10-05T08:53:36.061Z	The Data Scientistâ€™s Toolbox,Data Science	1

Sowgnadhika reddy	2021-10-05T08:54:04.217Z	Machine Learning Pipelines with Azure ML Studio,Introduction to Data Science in Python,How to create a Jira SCRUM project,Applied Data Science with Python,Machine Learning	3
V N S SRIHARSHITH A P	2021-10-05T08:54:03.460Z	Cybersecurity Roles, Processes & Operating System Security	1
Harshitha	2021-10-05T08:53:34.383Z	Convolutional Neural Networks	1
Lethakula Himaaditi	2021-10-05T08:53:39.694Z	Web Application Technologies and Django,Azure: create a REST API using NodeJS Serverless Functions,Create Your First Web App with Python and Flask,Django for Everybody	3
Akkinapalli Jahnavi	2021-10-05T08:54:03.744Z	Python Data Structures	1
G.Janvitha Reddy	2021-10-05T08:53:29.592Z	#talkmentalillness	1
Jayasree Kokkonda	2021-10-05T08:53:37.380Z	Advanced Data Structures in Java	1
Jeedipally vaishnavi	2021-10-05T08:54:05.230Z	Programming Foundations with JavaScript, HTML and CSS,Java Programming and Software Engineering Fundamentals	1
T.Jyothi	2021-10-05T08:53:47.276Z	Programming Foundations with JavaScript, HTML and CSS,Java Programming and Software Engineering Fundamentals	1
K.Divya Murthy	2021-10-05T08:54:07.396Z	English for Career Development,Google Data Analytics	1
M.Abhigna	2021-10-05T08:54:03.801Z	Introduction to Marketing,Business Foundations	1
Shivakumar Kagi	2021-10-05T08:53:28.037Z	Crash Course on Python,Google IT Automation with Python,Google Data Analytics	1
kaja Niharika	2021-10-05T08:54:00.429Z	Mastering Programming with MATLAB	1
P.SADHVI REDDY	2021-10-05T08:54:02.875Z	Principles of Public Relations	1
KADARI KAMANEEYA	2021-10-05T08:53:54.364Z	AWS Cloud Technical Essentials,Django for Everybody,AWS Fundamentals	1
K.MALAVIKA	2021-10-05T08:53:59.330Z	Learning How to Learn: Powerful mental tools to help you master tough subjects	1
Sheshagiri	2021-10-05T08:53:27.426Z	Excel Fundamentals for Data Analysis,Excel Skills for Data Analytics and Visualization	1

Chandra Shaker Arrabotu	2021-10-05T08:54:01.431Z	Big Data Emerging Technologies, Emerging Technologies: From Smartphones to IoT to Big Data, Blockchain	1
KALA MEHAK JAIN	2021-10-05T08:54:00.875Z	AI For Everyone, Linear Regression with NumPy and Python	2
K.Kavya	2021-10-05T08:53:35.495Z	Songwriting: Writing the Lyrics, Songwriting: Writing, Arranging, and Producing Music	1
Keerthana Adavelli	2021-10-05T08:53:58.184Z	Introduction to Psychology ,Data Science	1
Keerthana Racharla	2021-10-05T08:53:45.738Z	Create and Design Digital Products using Canva, Foundations: Data, Data, Everywhere, Building a Business Presence With Facebook Marketing, Build a Full Website using WordPress, Google IT Automation with Python, Google Data Analytics	5
Poojasree Keerthipati	2021-10-05T08:53:35.563Z	Foundations: Data, Data, Everywhere	1
UBL KEERTHANA	2021-10-05T08:53:59.723Z	Foundations of Project Management, Google Project Management:, Google Data Analytics	1
B. Jaya Naga Keerthi Singh	2021-10-05T08:53:30.943Z	Enhancing Communication with Remind, Learning How to Learn: Powerful mental tools to help you master tough subjects	2
Somepally Srikerthi	2021-10-05T08:53:37.433Z	Programming for Everybody (Getting Started with Python), Introductory C Programming	1
Keshav Kumar kampe	2021-10-05T08:53:46.955Z	e-Learning Ecologies: Innovative Approaches to Teaching and Learning for the Digital Age, MATLAB Programming for Engineers and Scientists	1
Afshan khan	2021-10-05T08:53:49.730Z	Data Science for Business Innovation	1
G Kiranmai	2021-10-05T08:54:06.682Z	Programming for Everybody (Getting Started with Python), Modern JavaScript: ES6 Basics, Python for Everybody	2
k.Amulya	2021-10-05T08:53:32.835Z	Introduction to Machine Learning, Data Structures and Algorithms	1
V.SREE SOUMYA	2021-10-05T08:53:57.478Z	Foundations: Data, Data, Everywhere, Machine Learning Pipelines with Azure ML Studio, Google Data Analytics	2

Pranathi	2021-10-05T08:54:05.940Z	Real-Time Embedded Systems Concepts and Practices,Data Encryption using AWS KMS From UST,Exploratory Data Analysis with Seaborn,Create PDF Balance Report using HTML, Excel & Power Automate	4
Kalwa Pujitha	2021-10-05T08:53:37.845Z	Introduction to HTML5,Web Design for Everybody: Basics of Web Development & Coding	1
Sai Priya Kamuni	2022-08-22T17:45:38.763Z	Create Your First Python Program From UST	1
Lethakula Kshama Aditi	2021-10-05T08:53:30.525Z	AWS Cloud Technical Essentials,AWS Fundamentals	1
K.Shravani	2021-10-05T08:53:54.670Z	Algorithmic Toolbox	1
Meghana kakkireni	2021-10-05T08:54:05.733Z	Excel Skills for Business: Essentials,Excel Skills for Business	1
N.Kusuma	2022-11-21T14:15:44.477Z	Introduction to Microsoft Excel	1
N Kusuma sai	2021-10-05T08:53:54.176Z	Java Basics: Selection and Iteration,Learn to Job Search with Indeed,Programming in Java: A Hands-on Introduction	2
Lakka Ramya sri	2021-10-05T08:53:36.058Z	Neural Networks and Deep Learning,Deep Learning	1
L.Tejaswini	2021-10-05T08:54:07.221Z	Java Programming: Arrays, Lists, and Structured Data	1
P Sreesudha	2021-10-05T08:53:57.026Z	Deep Learning with PyTorch : Image Segmentation ,Create Your First Web App with Python and Flask,Machine Learning Pipelines with Azure ML Studio,Mathematics for Computer Science	4
ADIRAJU LALITHA	2021-10-05T08:53:52.281Z	Neural Networks and Deep Learning,Applied Data Science with Python	1
D.Pavani	2021-10-05T08:53:55.067Z	Applied Machine Learning in Python	1
CH Leela Krishna	2021-10-05T08:53:31.429Z	Data Science Math Skills	1
K.Likhitha	2021-10-05T08:53:38.510Z	Data Science Math Skills,Linear Regression with NumPy and Python,Advanced Machine Learning	2
B.Madhuri	2021-10-05T08:53:38.279Z	Algorithmic Toolbox	1
Madhuri Latha	2021-10-05T08:53:37.882Z	Foundations of Project Management,Google Project Management:	1

Divya	2021-10-05T08:53:45.283Z	Software Processes and Agile Practices,Software Design and Architecture	1
Parankusam Sai Manasi	2021-10-05T08:53:40.952Z	Ideas from the History of Graphic Design	1
D.sri vennela	2021-10-05T08:53:54.962Z	Algorithmic Toolbox,Marketing Strategy	1
Mansavi Rao	2021-10-05T08:53:53.727Z	Algorithmic Toolbox	1
AKULA MANASWINI	2021-10-05T08:53:50.106Z	Java Programming: Solving Problems with Software	1
M.Akshitha	2022-03-28T16:29:58.152Z	Classical Sociological Theory	1
M.POOJA REDDY	2021-10-05T08:54:01.601Z	Google Ads for Beginners,Neural Networks and Deep Learning,Deep Learning	2
Manushna Bandari	2021-10-05T08:53:26.922Z	Introduction to Structured Query Language (SQL)	1
Mariya Fatima	2021-10-05T08:53:26.556Z	Introduction to Cybersecurity Tools & Cyber Attacks	1
Himaja Marla	2021-12-29T15:15:45.543Z	Introduction to HTML5	1
M.Sanjana	2021-10-05T08:53:58.552Z	Introduction to Cybersecurity Tools & Cyber Attacks	1
Volam meenakshi	2021-10-05T08:53:45.528Z	AI For Everyone,Database Operations in MariaDB Using Python From Infosys,Python for Everybody	2
G.Meghana	2021-10-05T08:53:52.334Z	Java Programming: Solving Problems with Software	1
MEGAVATH KEERTHI	2021-12-08T19:33:32.394Z	Foundations: Data, Data, Everywhere,Google Data Analytics	1
Pogula Meghana Reddy	2021-10-05T08:53:34.900Z	Mathematics for Machine Learning: Linear Algebra,Digital Marketing Strategy and Planning,Mathematics for Machine Learning	1
Swathi Mengji	2023-05-23T17:29:30.303Z	Data Visualization using Plotly,Analyze Website Visitors with Google Analytics Segments,Introduction to Data Analysis using Microsoft Excel	3
M.Keerthana	2021-10-05T08:53:25.554Z	Web Application Technologies and Django,Data Science Fundamentals	1
Mohini Awadhiya	2021-10-05T08:53:49.665Z	Algorithmic Toolbox	1

Monalisa Chowdary	2021-10-05T08:53:51.135Z	Introduction to Business Analysis Using Spreadsheets: Basics, The Data Scientist's Toolbox, Overview of Data Visualization, Data Science: Foundations using R	3
B. Monica	2022-04-12T16:09:57.769Z	Create Your First Python Program From UST	1
Mounika Pamarti	2021-10-05T08:53:58.008Z	Using Python to Access Web Data	1
M.Gayathri	2021-10-05T08:53:55.003Z	Speak English Professionally: In Person, Online & On the Phone	1
N Haritha	2021-10-05T08:53:54.962Z	Foundations of User Experience (UX) Design, Google UX Design	1
RAYUDU SUSHMA	2021-10-05T08:53:53.106Z	Preparation for Job Interviews, Create a Profile and Network on LinkedIn, HTML, CSS, and Javascript for Web Developers	4
Sk.Najish Jaha	2022-07-09T11:38:09.742Z	Create a Website Using Wordpress : Free Hosting & Sub-domain, Create Your First Web App with Python and Flask, Build a Full Website using WordPress	3
B.Nalandeshwari	2021-10-05T08:53:59.492Z	Crash Course on Python, Access an EC2 instance shell from the AWS console	2
Nanda Devi	2021-10-05T08:53:29.828Z	C for Everyone: Programming Fundamentals, Coding for Everyone: C and C++	1
Sree Bhavani	2021-10-05T08:53:25.881Z	Java Programming: Solving Problems with Software, Object Oriented Programming in Java	1
D. Naveena kumari	2021-10-05T08:54:03.807Z	English for Career Development, Create a Website Using Wordpress : Free Hosting & Sub-domain, Introduction to Microsoft Excel, Machine Learning Pipelines with Azure ML Studio, Preparation for Job Interviews, Google Ads for Beginners	8
NUNE CHANDRA KUMARI	2021-10-05T08:53:40.879Z	Crash Course on Python, Create Your UX portfolio with Crevado, Tweet Emotion Recognition with TensorFlow, AWS S3 Basics, Google IT Automation with Python	4
Nida Talveen	2021-10-05T08:53:52.803Z	Foundations of User Experience (UX) Design, Google UX Design	1
Siva Prasad Padilam	2021-10-05T08:53:52.610Z	Programming for Everybody (Getting Started with Python)	1

N.Ramakrishna	2021-10-05T08:53:51.052Z	Deep Learning with PyTorch : Image Segmentation ,Create a Resume and Cover Letter with Google Docs,AI For Everyone,Build a Data Science Web App with Streamlit and Python,Introduction to Microsoft Excel, Create a Budget with Google Sheets,Visualizing Filters of a CNN using TensorFlow,Machine Learning Pipelines with Azure ML Studio,Google IT Automation with Python	8
Parkhi Niharika	2021-10-05T08:53:43.686Z	Introduction to Big Data,Big Data,Full-Stack Web Development with React	1
V.Niharika	2021-10-05T08:53:40.102Z	Blockchain Basics,Introductory C Programming,Blockchain	1
Gaddam Nikhitha	2021-10-05T08:53:30.609Z		1
S.Nikhitha	2023-07-07T10:17:04.070Z	Introduction to Microsoft Excel	1
Nikitha Katta	2022-11-06T00:13:33.774Z	TypeScript Arrays	1
R. Nikitha	2021-10-05T08:53:32.464Z	TOEFL Reading and Listening Sections Skills Mastery	1
N.Nikitha	2021-10-05T08:53:31.493Z	Introduction to Python Programming,Introduction to Programming with Python and Java	1
P. Praisy Sharon	2021-10-05T08:53:50.768Z	Foundations: Data, Data, Everywhere,Google Data Analytics,Machine Learning	1
PULLAMOLLA NITHYA	2021-10-05T08:53:33.509Z	AI For Everyone,AWS S3 Basics	2
p mamta	2021-12-16T07:37:55.833Z	Open Source Software Development Methods,Open Source Software Development, Linux and Git	1
R.Ruchitha	2021-10-05T08:53:50.344Z	Programming for Everybody (Getting Started with Python)	1
PAKA JAYAMADHURI	2021-10-05T08:53:32.213Z	Web Application Technologies and Django	1
P Alekhya	2021-10-05T08:53:39.019Z	Java for Android,Android App Development	1
Gorla Kaveri	2021-10-05T08:53:49.938Z	Use Canva to Create Desktop and Mobile-friendly Web Pages.,Foundations: Data, Data, Everywhere,Google IT Automation with Python,Google Data Analytics	2
Siddam Pavani	2021-10-05T08:53:35.278Z	Google Cloud Fundamentals: Core Infrastructure	1

Pavitra	2021-10-05T08:53:50.618Z	Search Engine Optimization (SEO) with Squarespace ,Crash Course on Python,Azure Synapse SQL Pool - Implement Polybase,Using Basic Formulas and Functions in Microsoft Excel,Data Visualization using Plotly,Introduction to Business Analysis Using Spreadsheets: Basics,Build a Data Science Web App with Streamlit and Python,Database Operations in MariaDB Using Python From Infosys,Create Your First Web App with Python and Flask,Introduction to Microsoft Excel,Regular Expressions in Python,Finding, Sorting, & Filtering Data in Microsoft Excel,Create a Financial Statement using Microsoft Excel,Introduction to Data Analysis using Microsoft Excel,Overview of Data Visualization,Google Data Analytics	15
P Sushmitha	2021-10-05T08:53:48.094Z	Introduction to Data Analytics for Business,Learn Spanish: Basic Spanish Vocabulary	1
L. Swetha Srilakshmi	2021-10-05T08:53:49.154Z	Neural Networks and Deep Learning,Deep Learning	1
vennela	2021-10-05T08:53:49.012Z	Introduction to Augmented Reality and ARCore,Introductory C Programming	1
Pranavi Pulivarthi	2021-10-05T08:53:45.246Z	Salesforce Basics,Salesforce Fundamentals	1
K.Prasanna Durga	2021-10-05T08:53:46.520Z	Crash Course on Python,Introductory C Programming	1
Pratyusha Cheepu	2021-10-05T08:53:32.322Z	Foundations: Data, Data, Everywhere,Google Data Analytics	1
K.Prathyusha	2021-10-05T08:53:34.632Z	Foundations: Data, Data, Everywhere,Google Data Analytics	1
Pravalika Manugu	2021-10-05T08:54:03.631Z	How To Visualize Your Data Using Microsoft Powerpoint,Create Charts and Dashboards Using Microsoft Excel,Excel Skills for Business: Essentials,Python for Everybody	3
Pravalika Poladi	2021-10-05T08:54:06.093Z	Blockchain Basics,Blockchain	1
Katkoori Preethi Reddy	2021-10-05T08:53:42.121Z	Build a mobile app with Google Sheets on Glide and no coding	1
peddapuram Priya	2021-10-05T08:53:25.777Z	Writing, Running, and Fixing Code in C	1

K Priyanka	2021-10-05T08:53:47.158Z	HTML, CSS, and Javascript for Web Developers	1
P.Sri Varshika	2021-10-05T08:53:57.146Z	AI For Everyone,Build a mobile app with Google Sheets on Glide and no coding	2
Nalla Pujitha Bala	2021-10-05T08:53:46.316Z	Foundations: Data, Data, Everywhere,Google Data Analytics	1
Pulikallu Jahnavi	2021-10-05T08:53:31.286Z	Programming for Everybody (Getting Started with Python),Python for Everybody	1
Puli.Shilpa	2021-10-05T08:53:42.255Z	Programming for Everybody (Getting Started with Python)	1
Puli Vidyavathi	2021-10-05T08:53:50.214Z	Practical Machine Learning,Introduction to Data Analysis using Microsoft Excel,Full-Stack Web Development with React	2
N. Radha kalyani	2021-10-05T08:54:08.230Z	Using Python to Interact with the Operating System	1
Katta Rajashri	2021-10-05T08:53:46.958Z	Developing An Entrepreneurial Mindset: First Step Towards Success ,How to Start Your Own Business	1
Rajoli Krithika Reddy	2021-10-05T08:53:34.264Z	Object Oriented Programming in Java	1
PERURU ANANYA	2021-10-05T08:53:47.839Z	Create Your First Python Program From UST,Foundations of Project Management,Compose and Program Music in Python using Earsketch,Preparation for Job Interviews,Basic Image Classification with TensorFlow,Google Project Management:	5
Nakshatra.J	2021-10-05T08:53:53.796Z	Foundations: Data, Data, Everywhere,Generative Adversarial Networks (GANs),Google Data Analytics	1
M.Akhila	2021-10-05T08:53:47.677Z	AI For Everyone,Introduction to Basic Game Development using Scratch	2
Uttara.Nanduri	2021-10-05T08:53:47.594Z	Crash Course on Python,Preparation for Job Interviews,Google IT Automation with Python	2
R.Navya	2023-08-17T09:38:11.340Z	Learn to Job Search with Indeed	1
R.RAMYA	2021-10-05T08:53:47.551Z	Foundations of Project Management,Google Project Management:	1

Bandaru bhavana	2021-10-05T08:53:42.554Z	Mathematics for Machine Learning: Linear Algebra, Introduction to Business Analysis Using Spreadsheets: Basics, Tesla Stock Price Prediction using Facebook Prophet	3
Harsha Sree Reddy	2021-10-20T15:40:50.470Z	Programming for Everybody (Getting Started with Python)	1
Pallavi reddy	2021-10-05T08:54:02.207Z	Natural Language Processing with Classification and Vector Spaces	1
Pulledula Divya Rani	2021-10-05T08:53:41.488Z	Crash Course on Python, Google IT Automation with Python	1
Rishitha Chakirala	2021-10-05T08:53:47.740Z	Full-Stack Web Development with React	1
Gunti Rohitha	2021-10-05T08:53:57.876Z	Web Application Technologies and Django, Applied Data Science with Python	1
Rohitha Avvaru	2021-10-05T08:53:39.439Z	Crash Course on Python, Google IT Automation with Python, Excel Skills for Business	1
V Badri Rama Krishnan	2021-10-05T08:53:39.848Z	Neural Networks and Deep Learning	1
Anjali Reddy	2021-10-05T08:53:37.233Z	Programming for Everybody (Getting Started with Python), Python for Everybody	1
R. Rukmini Reddy	2021-10-05T08:53:39.940Z	Programming for Everybody (Getting Started with Python), Emerging Technologies: From Smartphones to IoT to Big Data	1
Raksha Naravi Pai	2021-10-05T08:53:36.716Z	Tweet Emotion Recognition with TensorFlow, AWS S3 Basics, Introduction to Data Analysis using Microsoft Excel, Work Smarter with Microsoft Excel	4
M.Sadvika	2022-07-09T13:51:43.800Z	Machine Learning Pipelines with Azure ML Studio	1
Lalana Palwaye	2021-10-05T08:53:52.059Z	VLSI CAD Part II: Layout	1
Jayavani	2021-10-05T08:53:26.381Z	Neural Networks and Deep Learning	1
Sai Preethi Polu	2021-10-05T08:54:03.586Z	Data Structures	1
P.Saisree	2022-01-17T11:01:16.383Z	Java Programming: Solving Problems with Software, Object Oriented Programming in Java	1
Saisri Mukka	2021-10-05T08:53:37.642Z	Database Management Essentials, Data Warehousing for Business Intelligence	1
T.Saisri	2021-10-05T08:53:30.037Z	Introduction to Java and Object-Oriented Programming, Google IT Automation with Python	1

G.Samanvitha	2021-10-05T08:54:06.898Z	Programming Foundations with JavaScript, HTML and CSS,Java Programming and Software Engineering Fundamentals	1
S. Tejaswi	2021-10-05T08:53:33.955Z	Foundations: Data, Data, Everywhere,Google Data Analytics	1
J sarasija sharma	2021-10-05T08:53:36.019Z	Technical Support Fundamentals,Custom Prediction Routine on Google AI Platform,Google IT Support	3
Geetha Krishna Guruju	2021-10-05T08:53:35.699Z	Deep Learning with PyTorch : Image Segmentation ,AI For Everyone,Basic Image Classification with TensorFlow	3
Sowkhya Bovindala	2021-10-05T08:53:34.327Z		1
Sasirekha	2021-10-05T08:54:04.715Z	Fundamentals of Graphic Design	1
Satyasree Gabbita	2021-10-05T08:53:38.002Z	AWS Cloud Practitioner Essentials,Python for Everybody	1
SAUMYA GORANTALA	2021-10-05T08:53:38.674Z	HTML, CSS, and Javascript for Web Developers,Google Data Analytics	1
Shaista Firdouse	2021-10-05T08:53:47.258Z	Programming for Everybody (Getting Started with Python),Machine Learning Pipelines with Azure ML Studio,Python for Everybody	2
M.Shalini Reddy	2021-10-26T04:22:54.867Z	Foundations: Data, Data, Everywhere,Google Data Analytics	1
T Sharadi	2021-10-05T08:53:49.048Z	Crash Course on Python,Google IT Automation with Python	1
Fathima Sumreen	2021-10-05T08:53:33.596Z	Introduction to Business Analysis Using Spreadsheets: Basics,Business Analysis & Process Management,Introduction to Data Analytics for Business,Tesla Stock Price Prediction using Facebook Prophet,Google Data Analytics	5
G.Sharanya	2021-10-05T08:53:27.406Z	Using Python to Interact with the Operating System,Python for Everybody	1
Sharanya manusani	2021-10-05T08:53:51.246Z	Data Analysis Using Python,Java Programming and Software Engineering Fundamentals	1

M Durga Neha Chandana	2021-10-05T08:53:33.224Z	Create and Design Digital Products using Canva,Create a Website Using Wordpress : Free Hosting & Sub-domain,Business Analysis & Process Management,Foundations of Project Management,How to Optimize Your Instagram Account ,Machine Learning Pipelines with Azure ML Studio,Build a Full Website using WordPress,Introduction to Basic Game Development using Scratch,Build a mobile app with Google Sheets on Glide and no coding,Google IT Support,Google Project Management:	9
Sheela sangeetha	2021-10-05T08:53:58.583Z	Python Data Structures	1
Shelcy	2021-10-29T15:58:56.812Z	Google Cloud Fundamentals: Core Infrastructure,Working with BigQuery,Preparing for Google Cloud Certification: Cloud Network Engineer	2
Bandela Shirlene Rose	2021-10-05T08:54:00.680Z	Internet of Things: How did we get here?	1
Kanakam Vyshnavi	2021-10-05T08:53:53.716Z	Crash Course on Python,Python for Everybody	1
Shivani Eslavath	2021-10-05T08:54:01.138Z	Fundamentals of Project Planning and Management	1
Kanchanapalli Shloka	2021-10-05T08:53:41.301Z	Google Cloud Fundamentals: Core Infrastructure,Networking in Google Cloud	1
vennamaneni shreshtha	2021-10-05T08:53:30.385Z	Python Functions, Files, and Dictionaries	1
Saniya Fatima	2021-10-05T08:53:33.154Z	Ask Questions to Make Data-Driven Decisions	1
Shreya Valgot	2021-10-17T11:44:47.346Z	Algorithmic Toolbox	1
G.Shreya	2021-10-05T08:53:42.783Z		1
Nagulapelli Shreya	2021-10-05T08:53:46.999Z	Foundations: Data, Data, Everywhere,Google Data Analytics	1
S.Shreya Reddy	2021-10-05T08:53:32.892Z	AI For Everyone	1
Sindhuja Kondreddy	2021-10-05T08:53:28.447Z	Create a Profile and Network on LinkedIn	1
G.Sai Sindhuja	2021-11-21T15:48:44.500Z	Foundations: Data, Data, Everywhere	1

S.lekhana chowdary	2021-10-05T08:53:57.425Z	Exploratory Data Analysis with Seaborn,Machine Learning for All,Web Design for Everybody: Basics of Web Development & Coding	2
Sirisilla Prathyusha	2022-01-15T09:44:59.220Z	Introduction to Embedded Systems Software and Development Environments	1
SIRI MANDADI	2021-10-05T08:53:25.708Z	Crash Course on Python,Google IT Automation with Python	1
K. Sitamanasvi	2021-10-05T08:53:44.585Z	Programming for Everybody (Getting Started with Python),Python for Everybody	1
Roshini.N	2021-10-05T08:53:31.730Z	Programming for Everybody (Getting Started with Python),Python for Everybody	1
Smitha mahindrakar	2021-10-05T08:53:39.681Z	Crash Course on Python,Introduction to Microsoft Excel,Google IT Automation with Python	2
Sonakshi Dwaraka	2022-01-15T10:15:28.546Z	Firm Level Economics: Markets and Allocations	1
Harshitha Boddu	2022-03-31T05:26:20.138Z	Introduction to Data Analysis using Microsoft Excel	1
Sony	2021-10-05T08:54:00.516Z	Python Basics: Selection and Iteration,Programming in Python: A Hands-on Introduction	1
surineni soumitha	2021-10-05T08:54:06.675Z	Blockchain Basics,Introductory C Programming,Blockchain	1
D.Sowjanya	2021-10-05T08:53:42.437Z	Capstone: Retrieving, Processing, and Visualizing Data with Python,Python for Everybody	1
Himani Gugulotu	2021-10-05T08:53:31.021Z	Firm Level Economics: Consumer and Producer Behavior,Managerial Economics and Business Analysis	1
Seetha Sowmya	2022-02-21T15:18:35.648Z	English for Career Development	1
S. Spanddhana	2021-10-05T08:53:46.333Z	First Step Korean	1
T. Spoorthi Reddy	2021-10-05T08:53:46.229Z	Data Structures	1
Kothinti Shravani Lakshmi	2021-10-05T08:54:01.407Z	Programming for Everybody (Getting Started with Python),Python for Everybody	1
A.Sravani Reddy	2021-10-05T08:53:49.456Z	Algorithmic Toolbox,Data Structures and Algorithms	1
Sravya Patnaik	2023-03-01T09:02:52.217Z	Improve your productivity and performance with Canva	1
A.Sravya	2021-10-05T08:53:40.347Z	Business Analytics for Decision Making	1

B.Animisha	2021-10-05T08:53:30.749Z	An Introduction to Consumer Neuroscience & Neuromarketing	1
Returi Nehata Sreeya	2021-10-05T08:53:55.914Z	Mathematics for Machine Learning: Linear Algebra	1
Thigireddy Sri Bhavani	2021-10-05T08:54:02.704Z	HTML, CSS, and Javascript for Web Developers	1
M. Sridevi	2021-10-05T08:53:35.450Z	Python Basics	1
D. S. Naga yasaswini	2021-10-05T08:53:35.587Z	Algorithmic Toolbox	1
P.Srinidhi	2021-10-05T08:54:01.196Z	Foundations: Data, Data, Everywhere,Google Data Analytics	1
Srinidhi Yerabati	2022-05-11T16:39:53.860Z	Building a Text-Based Bank in Java,Get started with Jira,Preparation for Job Interviews	3
Challa sri nikitha	2021-10-05T08:53:31.879Z	Introduction to Machine Learning	1
N Srinivas Naidu	2021-10-05T08:53:30.585Z	Introduction to TCP/IP,Introduction to Bash Shell Scripting	2
Sri pujitha	2021-10-05T08:54:02.317Z	Business Analysis & Process Management,Python Data Structures	2
kistareddy gari Sreelatha	2021-10-05T08:53:56.643Z	Python Data Analysis	1
Srishti Mathur	2021-10-05T08:53:44.560Z	Foundations of Project Management,Google Project Management:	1
Sri Vaishnavi Aekkati	2021-10-05T08:53:33.069Z	Introduction to Data Analytics for Business,Machine Learning	1
KADARI SAHITHYA	2021-10-05T08:53:29.732Z	Introduction to Data Analytics for Business,Machine Learning Pipelines with Azure ML Studio	2
Thiramdasu Sucharitha	2021-10-05T08:53:26.321Z	Introduction to Data Analytics for Business	1
S.sai Sudeeksha	2021-10-05T08:53:37.413Z	Write Professional Emails in English,Introduction to Microsoft Excel,Improve Your English Communication Skills	2
Ch. Sudharshan Reddy	2022-03-21T08:14:42.111Z	Introduction to the Internet of Things and Embedded Systems,An Introduction to Programming the Internet of Things (IOT)	1
Allipuram Sujatha	2021-10-05T08:54:03.343Z	Bayesian Statistics: From Concept to Data Analysis	1
KONDAM ABHINAYA	2021-10-05T08:53:28.207Z	Machine Learning Pipelines with Azure ML Studio	1

Ratlawath Sumitra	2021-10-05T08:53:43.997Z	Advanced Writing	1
S.Priyanka	2021-10-05T08:54:07.575Z	Programming Foundations with JavaScript, HTML and CSS,Java Programming and Software Engineering Fundamentals	1
Sunnihitha .D	2021-10-05T08:53:46.942Z	Making Your First Virtual Reality Game,Introductory C Programming	2
Mulaka Supriya	2021-10-05T08:53:30.271Z	Programming Foundations with JavaScript, HTML and CSS,Java Programming and Software Engineering Fundamentals	1
R.SHARANI	2021-10-05T08:53:27.588Z	How Google does Machine Learning,Machine Learning Pipelines with Azure ML Studio	3
Tatikonda.Sushmitha	2021-10-05T08:53:42.794Z	Linux Tools for Developers	1
N. Sushmitha	2021-10-05T08:53:28.257Z	Applied Machine Learning in Python,Python for Everybody	1
J.Swarupa	2021-10-05T08:53:39.401Z	English for Common Interactions in the Workplace: Basic Level	1
Aditi S S	2021-10-05T08:53:27.058Z	Introduction to Business Analysis Using Spreadsheets: Basics,Business Analysis & Process Management	3
Swetha	2021-10-05T08:54:00.161Z	Neural Networks and Deep Learning	1
Syeda Shifa Fatima	2021-10-05T08:53:53.835Z	Programming for Everybody (Getting Started with Python),Introduction to Microsoft Excel,Python for Everybody	2
PULI TEJASWINI REDDY	2021-10-05T08:54:00.566Z	Crash Course on Python,Google IT Automation with Python	1
DABBETI TEJASWI	2021-10-05T08:53:35.179Z	Data Structures	1
Tejaswi Goud	2023-01-06T20:10:39.274Z	Azure: create a REST API using NodeJS Serverless Functions,Machine Learning Pipelines with Azure ML Studio	2
Radhika	2021-10-05T08:53:26.880Z	Big Data: el impacto de los datos masivos en la sociedad actual,Discounted Cash Flow Modeling	2
Gayathri Thadapu	2021-10-05T08:53:25.619Z	Technical Support Fundamentals,Google IT Support	1
THUMU LOHITHA	2021-10-05T08:53:35.166Z	Foundations: Data, Data, Everywhere,Google Data Analytics	1
Thumpudi N V D Mounica	2021-10-05T08:53:25.558Z	Foundations: Data, Data, Everywhere,Google Data Analytics	1

T. S. Keerthika	2021-10-05T08:53:58.912Z	Foundations: Data, Data, Everywhere,Google Data Analytics,Introduction to Discrete Mathematics for Computer Science	1
Ch.Hari Priya Trinity	2021-10-05T08:54:04.286Z	Introduction to Psychology	1
Umme Aaiman	2021-10-05T08:54:04.297Z	Programming for Everybody (Getting Started with Python),Python for Everybody,Deep Learning	1
Pulluru Sai Shreya	2021-10-05T08:53:25.813Z	Python for Everybody	1
U.Yuktha	2021-10-05T08:54:02.579Z	Cryptography	1
V.S.Pavani	2022-04-03T07:29:33.451Z	Create Your First Web App with Python and Flask	1
K. Vadhoolasa	2021-10-05T08:53:25.778Z	Financial Markets	1
Vaishnavi Narayanam	2021-10-05T08:53:32.523Z	Cybersecurity for Everyone	1
vaishnavi	2021-10-05T08:53:42.126Z	Java Programming: Arrays, Lists, and Structured Data	1
Vaishnavi Jinde	2021-10-05T08:54:05.760Z	Intelligence Tools for the Digital Age	1
Pisupati Sai Valli Shivani	2021-10-05T08:53:49.636Z	Foundations: Data, Data, Everywhere,Google Data Analytics	1
Lenkala Bhavani	2023-06-03T13:24:03.258Z	Create a Profile and Network on LinkedIn	1
V. Varsha	2023-08-12T13:28:10.600Z	Regular Expressions in Python	1
Varsha Singannagari	2021-10-05T08:53:28.264Z	Using Python to Access Web Data,Python for Everybody	1
G.varsha	2022-07-30T15:51:35.873Z	Compose and Program Music in Python using Earsketch	1
Arava Vedabhisikta	2021-10-05T08:53:48.843Z	Introduction to the Internet of Things and Embedded Systems	1
Deekonda Eshwari	2021-10-05T08:53:25.444Z	Programming for Everybody (Getting Started with Python),Python for Everybody	1
venkateswarulu	2021-10-05T08:53:43.231Z	Advanced Data Structures in Java,Photography Basics and Beyond: From Smartphone to DSLR	1
M.vijayalakshmi	2021-10-05T08:53:59.114Z	Neural Networks and Deep Learning,Deep Learning	1

VIPPALAPALL I VIKAS	2021-10- 05T08:53:50.3 24Z	Neural Networks and Deep Learning,Deep Learning	1
Vinayasree Doonuru	2021-10- 05T08:53:36.8 25Z	Getting Started with SAS Programming	1
Vinnela	2021-10- 05T08:53:29.1 93Z	Foundations: Data, Data, Everywhere,Big Data,Google Data Analytics	1
Vineela Goud	2021-10- 05T08:53:30.9 24Z	AI For Everyone	1
Sharon Bitla	2021-10- 05T08:53:25.4 29Z	Introduction to HTML5,Web Design for Everybody: Basics of Web Development & Coding	1
Nara Yamini	2021-10- 05T08:53:48.2 55Z	Programming Foundations with JavaScript, HTML and CSS,Java Programming and Software Engineering Fundamentals	1
P. Yashika	2021-10- 05T08:53:41.6 71Z	Foundations: Data, Data, Everywhere	1

9.5 Career Guidance, Training, Placement (10)

Total Marks 10.00

Availability of Career Guidance Facilities

The Career Guidance Cell (CGC) at G. Narayanamma Institute of Technology and Science (GNITS) is a dedicated resource aimed at assisting students in navigating their career paths effectively.

Through personalized sessions, the CDC helps students assess their interests, skills, and goals, thus providing invaluable clarity on potential career objectives.

Functions and responsibilities of CGC

- **Event Organization:** Plan and execute seminars, workshops, and guest lectures to expose students to diverse career opportunities.
- **Information Dissemination:** Keep students informed about competitive examinations, eligibility criteria, and application procedures.
- **Promoting Career Fair Attendance:** Encourage and guide students to participate in career fairs to explore industry opportunities.

Composition of CGC is shown in Table 9.5.1

Table 9.5.1: Composition of CGC

S. No.	Name of the Member	Position
1.	Dr. K.Ramesh Reddy, Principal	Chairman
2.	Dr. P.Sunitha Devi, Asst. Prof., CSE	Coordinator
3.	Mr.P.Sai Niranjan, Asst. Prof., EEE	Member
4.	Mr. P.Satyanarayana, Asst. Prof., ECE	Member
5.	Mr. G.Naga Babu, Asst. Prof., CSE	Member
6.	Mrs. V. Usha, Asst. Prof., IT	Member
7.	Ms. K.Pranathi, Asst. Prof., ETE	Member

List of CGC Activities is shown in Table 9.5.2.

Table 9.5.2: List of Activities under CGC

S. No.	Date	Topic	Resource Person	No. of Participants
1	10 – 08 – 2020	Awareness program on program on GATE Examination	Mr. Kranthi Kumar Course Director GATE TIME, Hyderabad	94
2	11 – 08 – 2020	Awareness program on program on GRE Examination	Mr. Siva Sankar Sr Manager Business Development, Telangana Manya Princeton Review, Hyderabad	62
Academic Year 2021-22				
1	23 – 09 – 2021 & 24 – 09 – 2021	"All About Study Abroad & GRE, IELTS Preparation"	Mr. Wajendra. T, Head – Academics, Gradeway Prep, Hyderabad.	919
2	26 – 11 – 2021	"Global Study and Career Opporunities"	Mrs. Reshmy Vijay, Director , Education Matters, Global Education & Careers Forum, Hyderabad.	631

3	10 – 12 – 2021	“ Career Guidance and Overseas Opportunities”	Ms. Usmath Fyaz, Manager, UK, Global Tree, Hyderabad.	874
4	15 – 12 – 2021	“Career Awareness Program for Electrical Engineers”	Mr. K.Madan Mohan Goud, Founder & CEO, HIEE, Hyderabad.	137
5	19 – 03 - 2022	“How to apply for Higher education in the UK and what programs are best to get jobs in the UK”	Mr. Padhyaya. Ganesh, Branch Head, SI-UK, Hyderabad	102
6	23 – 03 – 2022	"Careers in Higher Education",	Dr.Krishna Sudheer Annavajjala, Professor, HoD, MBA, KL University, Hyderabad.	196
7	12 – 04 – 2022 and 21 – 04 – 2022	"Crack IAS"	Mr. Rohith Komma, Course Director, IAS Academy, Hyderabad.	186
8	03 – 06 – 2022	“Career Guidance Program on Civil Services”	Sri Narasimha Reddy, Dy. Director, Forest College and Research Institute(FCRI), Hyderabad.	73
Academic Year 2022-23				
1	22 – 09 – 2022	“Powering your Global Education Dream”	Ms. Shilpa Bansal, Head – Academics, Gradeway Prep, Hyderabad.	742
2	03 – 03 – 2023	“Global Study and Job Opportunities”	Mr. Samiran Roy, Manager – Institutional Counselling Services, Global Education & Careers Forum, Hyderabad.	755
3	16 – 03 – 2023	“Banking Technology and a Headstart ”	1. Dr. M V N K Prasad, Associate Professor, IDRBT , Hyderabad. 2. Dr. S Rashmi Dev, AGM HR, IDRBT , Hyderabad.	748
4	11-05-2023	Career Guidance and Higher Studies	Mr. S. Manimohan Trinath, GATE/ESE Trainer, ACE Engg. Academy, Hyderabad.	762

Training & Placement Cell:

The Training & Placement Cell plays an integral role in creating the illustrious placement record of GNITS.

- ensures smooth functioning of the placement activities in the campus.
- facilitates training activities of the students and makes sure they get placed in the best companies.
- provides personal and career-oriented support to its students.
- enables the students to effectively cope-up with academics at college and for successful careers after graduation.
- provides an extensive training program of about 100 hours during the II & III Years of B Tech program to prepare the students for the recruitment process in their final year.

GNITS engages specialized trainers for conducting this training with special emphasis on experiential learning in the training process. In this regard, the Institute has adopted pedagogical practices in collaboration with industry, businesses, and counterpart institutions to provide enhanced learning opportunities to the students. The effectiveness of the training is evident from the consistent and remarkable placement record.

Campus Placements and Highest Packages

Last year, the highest offer made was more than 40 lakhs per annum including Amazon, Twilio etc.

Over the recent years, many reputed companies such as Microsoft, JPMC, Dell, Deloitte, ServiceNow, Salesforce, Bank of America, Invesco, NCR, Commvault, E&Y, Qualcomm, Persistent Systems, L&T Technology Services, Bosch, Ford, Accenture, Infosys, TCS and many other MNCs have participated in campus hiring from GNITS.

GNITS achieves the highest number of dream offers, with attractive salaries, in the Telangana and Andhra Pradesh region.

Objectives of Training and Placement Cell:

- To Facilitate career opportunities for students by bridging the gap between academia and industry.
- To Employ a student-centric approach to fulfil corporate expectations within the college.
- To Diligently expand the Institute's corporate network throughout the academic year.
- To Enhance placement opportunities for students through proactive networking efforts.
- To Implement an all-inclusive placement training program starting from the first semester.
- To Integrate placement training seamlessly with mainstream studies.
- To Focus on developing industry-ready skills and competencies among students.

Industry Interaction & Placement Committee

The Industry Interaction & Placement Committee is a statutory body and reports to the Academic Council through the Dean Concerned. Each Academic Department shall have a faculty Co-ordinator as representative. The Committee plays an instrumental role in assisting individuals to realize their dream of a promising career. It serves as a facilitator for all recruitment initiatives on campus, as well as the establishment and maintenance of the Institute's relationships with corporates. The committee is responsible for organizing several campus corporate engagements such as Guest Lectures, Live Projects, Workshops, Case Competitions, and Pre-Placement Talks, to mention a few. Over the years the Placement Committee has successfully conducted the Summer and Final Placements and intends to further uphold the legacy of GNITS.

Functions of Industry Interaction & Placement Committee:

- Organizing Pre-Placement Seminars by Companies
- Getting the Pre-Placement Job Announcement Form (declaration) filled in by the representatives of each visiting company
- Maintaining Database of Companies and establishing strategic links for campus recruitment
- Gathering information about Job fairs and all relevant recruitment advertisements
- Coordinating with companies to learn about their recruitment procedures
- Identifying the needs and expectations of the companies to assist them in recruiting the most suitable candidates
- Organizing pre-placement training for students(Soft Skills, Dress Codes, Mock Interviews)
- Collecting feedback from employers where our students are placed
- Take feedback from industry and provide inputs for our curriculum and co-curricular activities.

Composition:

- Principal (Chairperson).
- Dean-Placements.
- Training & Placement Officer (Coordinator)
- One faculty member from each Department.
- Two students from each branch(one from III year and one from IV year BTech.)

Meeting frequency:

The principal of the college shall draw the schedule for meeting of the Board of Studies for different departments. The meeting may be scheduled as and when necessary.

Roles & Responsibilities of committee members:

- To help the Placement Cell to maintain contacts with Alumni.
- To help the Placement Cell to organize the various processes like written test, group discussion, technical interviews, HR interviews when companies come to the campus for placement drive.
- To organize activities aimed at improving Institute – Industry – Interaction.
- To coordinate the soft skills training programmes of the respective departments.
- To intimate students well in advance about the forth coming drives and selection process.
- To guide the students for necessary preparation for the drives.
- To provide information about various careers available in this competitive world.
- To organize career development seminars and workshops.
- To invite companies to interact with students.
- To organize awareness programmes on significant areas.
- To organize guest lectures on career development by expertise of the field.

• To train the students in soft skills and personality development which are essential for employment and successful career. Placement Training Activities are listed in Table 9.5.3.

Table 9.5.3: List of Placement Training Activities

Sl.No.	Name of the Program / Event	Resource Person	Date	Duration	Number of Participants
Academic Year 2020-21					
1	Campus Recruitment Training – Quantitative Aptitude, Logical Reasoning, Verbal,C&DS and JAVA	Mr. Mohamed Abudullah, Mr.Shasank,Mrs.Deepthi, Conduiraonline Education & Training Services, Hyderabad	10-11-2020	120 Hours	500
2	Advanced Algorithms and Data Structures training Program	Mr. Aneeq Dholakia and Mr.Devang Sharma, Edyst Training Services, Hyderabad	22-09-2020	100 Hours	234
3	Women Empowerment Program, ICT Academy-DXCT Technology – Soft Skills	Suchithra P.R, Robotics Engineer at TechieMan Technologies	1st April 2021 to 23rd Dec 2021	40 Hours	110
Academic Year 2021-2022					
1	Campus Recruitment Training – Quantitative Aptitude, Logical Reasoning, Verbal,C&DS and JAVA(for 3rd year students)	Mr. Mohamed Abudullah, Mr.Shasank, Mrs.Deepthi, Conduiraonline Education & Training Services, Hyderabad	10-09-2021	120 Hours	660
2	Advanced Algorithms and Data Structures training Program(for 3rd year students)	Mr. Aneeq Dholakia and Mr.Devang Sharma, Edyst Training Services, Hyderabad	16-09-2021	100 Hours	225
3	JAVA and Data Structures (for 2nd Year CSE, CSM,CSD, CST & IT)	Ms. Swathi, Coding Ninjas, Unitech Cyber Park, Unit 007 – 008, GF, Tower A, Sector 39, Gurugram, Haryana 122003	11/25/2021	100 Hours	527
4	Basics of C, C++ and Java (for 2nd Year ECE)	Ms. Mubeena, Cantilever Labs, T-HUB Catalyst Building, IIIT Hyderabad	12/5/2021	120 Hours	198

5	C and Data Structures (for 2nd Year EEE & ETE)	Ms.Ashritha, Bytexas India Pvt Ltd., Plot 98B/146, Sonthalia Pearl Building, Madhapur, Hyderabad	11/25/2021	100 Hours	179
Academic Year 2022-2023					
1	Advanced Algorithms and Data Structures training Program(for 3rd Year CSE, CSM,CSD, CST, IT & ECE Students)	Mr. Aneeq Dholakia and Mr.Devang Sharma, Edyst Training Services, Hyderabad	05-10-2022	100 Hours	220
2	Placement Preparation Program (for 3rd Year CSE, CSM,CSD, CST,IT & ECE)	Mr. Aneeq Dholakia and Mr.Devang Sharma, Edyst Training Services, Hyderabad	10-10-2022	100 Hours	470
3	Java, SQL and Aptitude (for 3rd Year EEE & ETE)	Ms.Aashritha, Technical Trainer, Byte XL India Pvt Ltd	09-11-2022	120 Hours	179
4	Java Introduction and Advanced (for 2nd year CSE, CSM,CSD, CST & IT students)	Mr. Aneeq Dholakia and Mr.Devang Sharma, Edyst Training Services, Hyderabad	09-12-2022	100 Hours	570
5	C & DS. Algorithms. Introduction to Web Technologies	Mr.Jalandhar, Technical Trainer, COIGN Consultants Ltd	05-12-2022	120 Hours	413

Placements Surge Over Three Years at GNITS

G. Narayanamma Institute of Technology and Science (GNITS) has witnessed a remarkable upsurge in placements over the past three years, reflecting its commitment to fostering career opportunities for its students.

Rising Placement Figures:

From the academic year 2020 to 2023, GNITS has seen a consistent increase in the number of students securing placements in esteemed companies. The placement data reveals a steady rise in the percentage of students placed, indicating the growing demand for GNITS graduates in the job market.

Expanding Corporate Engagement:

Furthermore, the number of companies visiting the campus for recruitment drives has shown a notable upward trend. With each passing year, GNITS has attracted an increasing number of reputed organizations seeking to hire talented individuals from various disciplines.

Surge in Median Salary Offers:

In tandem with the rise in placement numbers, there has been a substantial increase in the median salary offered to GNITS students. Employers recognize the value of GNITS graduates and are willing to offer competitive compensation packages, reflecting the caliber and skills nurtured within the institution.

Commitment to Excellence:

These positive trends in placements underscore GNITS commitment to providing quality education and holistic development opportunities to its students. The institutes focus on industry-relevant training, experiential learning, and career guidance has positioned its graduates as sought-after professionals in the competitive job market.

Looking Ahead:

As GNITS continues to strengthen its academic programs, industry collaborations, and career support services, it is poised to further enhance its placement outcomes in the coming years. The institution remains dedicated to empowering students with the skills, knowledge, and confidence needed to excel in their chosen fields and make meaningful contributions to society.

PLACEMENT STATISTICS

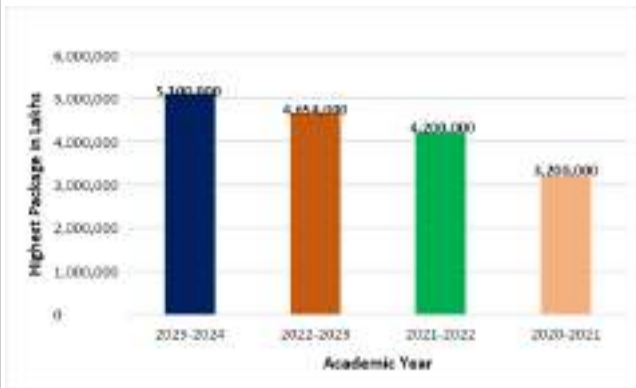


Figure 9.5.1: Highest Package in Placements

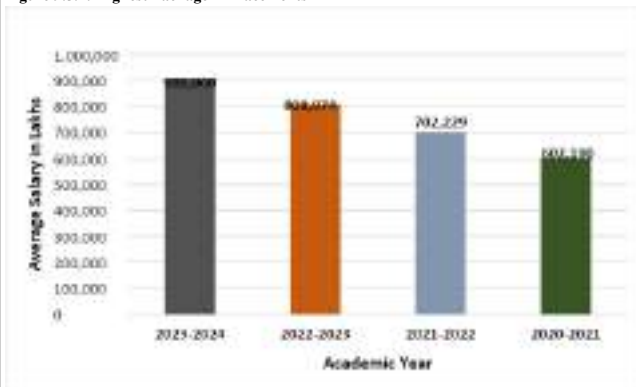


Figure 9.5.2: Average Salary in Placements



Figure 9.5.3: No. of Students Placed

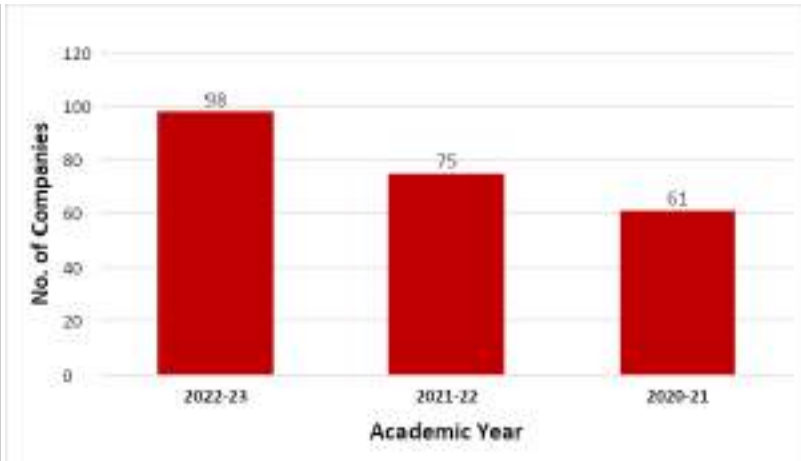


Figure 9.5.4: No. of Companies Visited for Campus Placements

9.6 Entrepreneurship Cell

Total Marks 5.00

In a rapidly evolving global economy, Entrepreneurship Development Cells play a pivotal role in nurturing entrepreneurial talent, fostering innovation, and contributing to economic growth.

Entrepreneurship initiatives

Understanding the significance of entrepreneurial talent GNITS has established Innovation cell, Entrepreneurship Development Cell (EDC) that are actively functioning in GNITS since 2007. In 2020 Innovation and Incubation centre is established merging I Cell, EDC and IPR cell to with complete ecosystem for mentoring students towards entrepreneurship as career path.

Innovation Cell

The main aim of I Cell is, to create intuition in terms of creative design ideas in various fields of engineering in an aesthetic approach that helps societal wellbeing.

I cell helps to nurture the students' ideas and support them build prototypes and result in market viable product.

Design Thinking course is included in the curriculum to enable students to understand the problem solving in a structured approach.

The collaboration with other partners in the ecosystem enabled the I Cell to organise various events that enabled the students innovators to pitch the ideas in national and international platforms like SIH, Eco championship Hackathon TS pollution control board, Hackwithinfy, Space Apps Challenge, Google Solution Challenge Hackathon etc...

Majority of students innovations were awarded with cash prizes worth of 2,00,000 by Industry, Student chapters and Government bodies.

Intellectual properties Rights

A good ecosystem exists to protect IPR of faculty and students through the financial support from the college.

A course on Intellectual Property Rights in the curriculum as an Open Elective facilitating the students with the awareness towards protecting the intellectual property.

The number of patents published gradually increased year after year through continuous sessions organized with experts from IP attorney and over a period of four years nearly **42 patents are Published with 8 patents Granted.**

An MOU is signed between GNITS and LCG Resolute Appliance LLP for patent professional services which will enable more number of patents to be published in the coming years.

Entrepreneurship Development Cell

An Entrepreneurship Development Cell (EDC) has been functioning in GNITS in association with JNTU, Hyderabad for the past 8 years.

The ED Cell in association with different organizations/government and non-government agencies, conducts orientation programs, workshops, panel discussions by inviting entrepreneurs from various fields to encourage and nurture students and promote entrepreneurship culture.

A technology incubation centre has been set up to provide infrastructure and support for budding entrepreneurs.

A course on Entrepreneurship is introduced in the curriculum and industrial visits to ALEAP a non-profit Organisation which gets Women Entrepreneurs on a common platform.

A total of 2075 students participated in 20+ events under ED Cell that helped the students to work, evaluate, build a prototype, pitch their idea, and get funding from government and private companies.

These efforts resulted in 20+ startups by our alumni and 2 student startups were registered till date.

To support the Innovation and Entrepreneurship activities the college has approved and allocated exclusive resources to foster startups ecosystem.

A dedicated space of 10,000 Sq. ft is allocated for setting up AIC-GNITS Foundation, a section 8 company with 10 crore grant in aid under ATAL Innovation Mission (AIM) – NITIAYOG scheme DST to support women led startups in Deeptech, ICT and sustainability.

Objectives of EDC

- To act as an institutional mechanism for providing various services including information to budding student entrepreneurs
- To create Entrepreneurial culture in the Parent Institution and other institutions in the region and to promote the objectives of NSTEDB, including programmes related to women and weaker sections of the society.
- To foster better linkages between the Parent Institution, Industries and R&D institutions in the region and other related organizations engaged in promoting Small & Medium Enterprises (SMEs) including NGOs and other Voluntary Organizations
- To catalyze and promote Development of S&T based Enterprises and promote employment opportunities.
- To respond effectively to the emerging challenges and opportunities both at national and international level relating to SMEs and Micro Enterprises.

Activities of EDC Cell

- Organizing workshops, seminars and events to create awareness about entrepreneurship.
- Encouraging students and promoting innovative ideas and solutions.
- Inviting successful entrepreneurs to share their experiences, insights and success stories
- Conducting skill development training programs to enhance their entrepreneurship skills such as ideation, business planning, market research and financial management.
- Providing guidance and incubation support to potential entrepreneurs in developing and refining their business ideas.
- Offering physical or virtual incubation spaces for startups to work on their projects.
- Facilitating industry interactions and networking events to connect aspiring entrepreneurs with mentors, investors, and other professionals.

- Organizing competitions to encourage students and budding entrepreneurs to create and present viable business plans.
- Connecting startups with potential investors, venture capitalists, and government funding programs to support their financial needs and growth
- Encouraging research and development activities related to entrepreneurship and innovation.
- Fostering partnerships with industry, government, and other institutions to cultivate an environment that promotes and supports entrepreneurship.
- Organizing Mentorship programs with experienced and knowledgeable individual (mentor) provide guidance, support, and advice to aspirants (mentee)

Consolidated Data of Entrepreneurship Development Cell for the last three years

S.No.	Assessment Year	No. of Entrepreneurship Activities Conducted
1	2020-21	4
2	2021-22	7
3	2022-23	12

List of Activities for the last three years from the year 2020 to 2023

S. No.	Date	Topic	Details of the Resource Person	No. of participants
1	30 th Aug., 2020	Online Group Discussion on Entrepreneurship	EDC Coordinators, GNITS	182
2	18 th Sept., 2020	How to Take Off Your Startup	Mr. Meraj Faheem, Founder & CEO, EdVenture Park, Hyderabad	79
3	7 th - 8 th May, 2021	Digital Marketing	1.Prof. Debajyoti Banerjee, Founder & CEO, Seven Boats Academy 2.Prof. Biplab Das, Seven Boats Academy 3.Prof.Vijay Mishra, Seven Boats Academy 4.Prof.Dip Maitra, Seven Boats Academy	97
4	10 th May, 2021	Start-up Incubator Session	Mr. Meraj Faheem, Founder & CEO, EdVenture Park, Hyderabad	123
5	29 th Oct., 2021	Student Startups	Mr. Meraj Faheem, Founder & CEO, EdVenture Park, Hyderabad	265
6	30 th Oct., 2021	Manthan Hackathon	Organized by the Bureau of Police Research and Development in association with MIC-AICTE	30
7	12 th Nov., 2021	“Sambhav” – e-National Level Awareness Programme (e-NLAP)	Sri K.C. Chowdary, Sri G. S. Bist and Smt. N. Sumathi, DI-MSME, Hyderabad	148
8	29 th Dec., 2021	Idea pitching competition and Student Entrepreneur Talk	Mr. Kartheek Thatikonda, Head-MiraiNxt Innovation Center, Hyderabad	103
9	16 th March, 2022	SIH-2022 Internal Hackathon	Dr. A. Sharada, Professor, GNITS Dr. Raj Kumary L. B. Dr. G. Malini Devi	100
10	26 th March, 2022	MSME Idea Hackathon 2022	Dr. P. V. D. Somasekhar Rao, Prof. in ECE and Dean, Academics Mr. Kartheek Thatikonda, Head, MiraiNxt Innovworks Pvt. Ltd. Mr. Farhim Aslam Khan, CA	55

11	16 th Jun., 2022	Startups, Creativity and Innovation- Make Your Idea to Happen	1. Prof. G.S. Prasad, Director of Centre for Research, Innovation, Technology and Entrepreneurship (RITE), University of Hyderabad. 2. Prof. VVSS Srikanth, Professor, School of Engineering Sciences and Technology, University of Hyderabad. 3. Prof. Salman Abdul Moiz, Professor, School of Computer and Information Sciences, University of Hyderabad. 4. Dr. Sudha Reddy, Founder and Managing Director of KN Bioscience.	313
12	1 st Aug., 2022	Industrial Management as Open Elective	Mrs. Smitha Mahindrakar, Asst. Prof., Dept. of H&M, GNITS Dr.P. Rekha, Assoc. Prof., Dept. H&M, GNITS Mrs. T. Malathi Latha, Asst. Prof., Dept. of H&M, GNITS	180
13	1 st August, 2022	Design Thinking	Mrs. P. M. S. Hallika, Asst. Prof., Mech. Dept., GNITS Ms.N.Hiranmai, Asst. Prof., Mech. Dept., GNITS	120
14	10 th Oct., 2022	Research Methodology & IPR	Dr. V. Vijaya Lakshmi, Asst. Prof., H&M dept., GNITS	35
15	21 st - 22 nd Nov., 2022	FORZA	1.Sri Charan Lakkaraju CEO Stugmagz Forbes 30 Under 30 Asia 2018 2. Sri P.S.N. Murthy Founder & President for Promotions of Public Libraries	200
16	6 th Dec., 2022	Design Thinking, Critical Thinking and Innovation Workshop	Mrs. Sakuntala Kasaragadaa, Incubation Head, GNITS	90
17	2 nd January, 2023	Entrepreneurship and Project Management	Mrs. J. Mamatha, Asst. Prof., H&M Dept., GNITS Ms. E. Pranavi, Asst. Prof., H&M Dept., GNITS Dr.P.Rekha, Assoc. Prof., H&M Dept., GNITS Dr. Aremam Ramya Sri, Asst. Prof., H&M Dept., GNITS	240
18	25 th Jan., 2023	Toycathon	Dr. S. Ramcharan, HOD, IT Dr.G.Malini Devi, Assoc. Prof., CSE	22

19	8 th – 9 th Mar., 2023	Women in Business (Women Leadership Conclave)	<ol style="list-style-type: none"> 1. Aruna Dara, Managing Director, Apna Green Products 2. Mallika Valluru - Co-Founder & MD, Radius EduTech 3. Nanditha Sethi - Founder & MD- The Entrepreneur Zone, Startup Mentor, Tedx speaker. 4. Vanitha Datla, Vice Chairperson & Managing Director, Elico Ltd. 5. Anuradha Kanchi - Principal strategist, Avtar The Power of Diversity 6. Panneerselvam Madanagopal - CEO, Technogen, India 7. Sahithi Divi – CEO, Soul of Swadesh 7. Praveen Dorna – Co founder, SocioHub 8. Kavitha Natarajan - Senior CSR Professional, CGI 9. Vyshali Sagar - Startup Ramp India lead, Amazon Web services 10. Sahitya Anumolu - Co-founder, Inquilab Foundation 	150
20	7 th Apr., 2023	Kavach Internal Hackathon	Dr. S. Ramcharan, HOD, IT Dr. G. Malini Devi, Assoc. Prof., CSE	48 (6 Teams)
21	17 th Apr., 2023	YUVA – Young Innovation Challenge "Unpacking the Challenge: Techniques for Defining the Problem Statement and Finding the Right Fit - Product Market Alignment".	<ol style="list-style-type: none"> 1. Keerthi Priya, Founder and CEO of Koh! Foods 2. Kausthub Kaundinya Y, Founder and CEO of Jarsh Safety 3. Ms. Sakuntala Kasaragadda, Head of Incubation Center, GNITS 	83 (20 teams)
22	21 st June, 2023	Orientation session on Successful Entrepreneurs	Ms. Pavani Lolla, Founder of Futurestep Enterprises Ms. Aruna Dara, Founder of Apna Green Products Ms. Lakshmi Haritha Bhavani, Founder of Ancient Foods	900
23	24 th June, 2023	Design Thinking Workshop	Mr. Vaibhav, Senior UX Designer at ADP	300

STUDENT ACHIEVEMENTS

- Ms. Indrani and Ms. Tulasi of 2019–2023 admitted batch have got selected for final round of YUKTI National Innovation Contest 2023 and will be granted Rs. 10 Lakhs.
- Ms. Deeksha, Ms. Koushika and Ms. Shreya of 2020-24 admitted batch got selected for final round of YUKTI National Innovation Contest 2023 and will be granted Rs.10 Lakhs.
- T. Bhavani Goud and Sanjana Reddy of 2020-24 admitted batch have got a grant of Rs.4 Lakhs for implementing their Idea under MSME Women Ideathon 3.0
- V. Ruthwika secured first place in Galactihack Ideathon conducted by IIT Indore in Fluxus event in collaboration with ISRO, Nimbus Education on 8th March, 2024.
- B. Vasavi, Y. Krupany and M. Pragya Teja won Runner Up in Sustainable Domain in Design-A-Thon competition at VNR VJIEET from 3rd – 4th March, 2024.
- T.V.L Prasanna and I.Satvika with project title "Cognizen Mat" won 5th prize in Anveshana 2024.
- D. Bhavana and her team stood in top 5 out of 25 teams in Shark Tank Event organized by VR Siddhartha Engineering College, Vijayawada on 28th February, 2024.

- K. Joanna Elizabeth, G. Angel, B. Sravanthi, J. Manisha Reddy and B. Rithika Reddy of EEE won first prize in Science Exhibition Competition on the eve of National Science Day 2024 conducted at Rashtrapati Nilayam, Hyderabad from 26th – 28th February, 2024.
- Ms. Tejaswini, Ms. Ishitha, Ms. Tejaswini Singh, Ms. B. Srija, Ms. P. Kethana Reddy, Ms. J. Shravya and Ms. Ashritha won 2nd Prize with a cash prize of Rs. 20,000/- in Codequest which is an Inter collegiate 24-hour hackathon organized by CII-IWN on 16th – 17th February, 2024.
- Terramik Team (Ms. Suma, Ms. Deeksha and Ms. Vaishnavi) won 3rd Prize in Biotech Innovation Challenge held on 7th January, 2024 at IIT Madras, Tamil Nadu
- Ms. Anushka, Ms. Shreya Reddy and Ms. Srinija are the Winners of Crypto Wallet at the Bootcamp held at Mahindra University in December, 2023
- Ms. Samiksha, Ms. Mahalakshmi and Ms. Ananya secured 3rd prize with cash prize of Rs.10,000/- at Nationwide 48 Hour Hackathon at Gokaraju Rangaraju Institute of Engg. & Technology (GRIET), Hyderabad from 6th – 8th October, 2023.
- Tejaswini and her team are the National Level Winners in the NASA Space App Challenge 2023 from 7th – 8th October, 2023 at Chandigarh University
- Shraddha and her team are the National Level Winners in the NASA Space App Challenge 2023 from 7th – 8th October, 2023 at Chandigarh University
- N Vyjayanthi and her team are the National Level Winners in the NASA Space App Challenge 2023 from 7th – 8th October, 2023 at Chandigarh University
- Ms. Sneha sri, Ramaswamy swathi, Reddy Swathi and Meghana won first prize with a cash prize of 15,000/- at Code Infinity, 24-Hour Hackathon on “Smart Security Companion for Women” held at MRCET from 17th – 18th March, 2023 under the mentorship of Mrs. P. Roopa Ranjani.
- Ms. Faiza Hameed, V. Hema Chandrika, M. Samiksha, D. Mahalaxmi, Ms. Ananya Sangani and N. Shivani won second prize with a cash prize of Rs. 3000/- in IIIT Wiki Hackathon from 3rd – 4th March, 2023.
- Ms. A. Shivani, Reddy, Theme: Technology for Social Good are the Winners at Hackwithinfy 2022 at Infosys, Pune from 27th – 29th August, 2022.
- Ms. Keerthana Pravalika and her team: TechHustlers won 1st Prize in Smart India Hackathon-2022 at Kochi with a cash prize of Rs.1 Lakh from 25th – 26th August, 2022.
- Ms. Siri Naidu, A. Varshini, U. Amogha and K. Satwika won winner title in the NASA International Space Apps Challenge 2022, Boot camp on 13th June, 2022 followed by 24 hours Hackathon on 18th June, 2022 conducted by Space Apps India.
- Ms. B Saraswathi, Ms. G. Sharanya, Ms. R. Rupasri, Ms. Kirthi Kalikar and Ms. Gunti Rohitha won winner title in the NASA International Space Apps Challenge 2022, Boot camp on 13th June, 2022 followed by 24 hours Hackathon on 18th June, 2022 conducted by Space Apps India.
- Ms. B. Shravani, Siri Naidu, A. Varshini, U. Amogha and K. Satwika won winner title in the NASA International Space Apps Challenge 2022, Boot camp on 13th June, 2022 followed by 24 hours Hackathon on 18th June, 2022 conducted by Space Apps India.

List of Entrepreneurs from GNITS

S.No.	Name of the Alumni Entrepreneur	Designation	Company Name
1	Ms. Santhosa Bojja	Founder and Director	Elegant Aesthetic and Academy, Hyderabad
2	Ms. M. Sravya	CEO	Private Business, Hyderabad
3	Ms. Rashmi Busireddy	Co-founder	Campus Crop
4	Ms. Challa Renuka Venkata Ramani	Founder	Improve 10X Solutions Private Limited
5	Ms. Anusha Reddy	Director	Maya Bazar Studio, Kadapa
6	Ms. D Prathima	Managing Director	Sri Kanuka Durga Filling Station (HPCL Dealer), Sanga Reddy
7	Ms. Shruti Ahuja	Director and Business Head	Ahuja Engg. Services Pvt Ltd, Hyderabad
8	Ms. Kshamitha	Director	Jamuna Hatcheries, Hyderabad
9	Ms. Sushma Mamindlapalli	Founder	ProXel Learning & Development Hub
10	Ms. Lakshmi Manasa Pandiri	Co-founder & CTO	Cartly Inc.
11	Ms. Himasree	Founder	Kitolit Private Limited
12	Ms. Shweta Agarwal	Founder	ShootOrder® - Digital Marketing Agency (https://www.linkedin.com/jobs/view/3680857896/)
13	Ms. Harshi Reddy Thodima	Founder	ROROSAUR Foodtech Private Limited
14	Ms. Sarojini Ummareddy	Co-founders & Director	Reflexion AI
15	Ms. Keerthi Datla	Co-founder & Marketing Communications Lead	Esvee Atelier
16	Ms. Rashmi Beldi	Founder	Studio RB Product Photography IG Filter India
17	Ms. Rishitha Kondapalli	Co-founder & COO	Yulick Chocolates

18	Ms.Akshita Reddy Madireddy	Founder	Founder Insync; Managing Partner – Aaradhya Ventures
19	Ms. Rudraksha	Co-Founder and Chief Business Officer	Brekr India & at Anuvega Powertronics
20	Ch. Prathusha(2023)	Founder	Dyonya

	
Participation at WILC-2023 by M. Liz Gebhard – Head of Diversity, Amazon on 8 th Mar., 2023	Panel Discussion on “Unlocking potential: How entrepreneurship is Enabling Womens Career Growth” on 9 th Mar., 2023
	
Winners of Yuva-Young Innovation Challenge, an Ideathon on 17 th April, 2023	Sahithi Divi , CEO, Soul of Swadesh & Praveen Dorna, Co founder, SocioHub - Community Building today for a Sustainable tomorrow on 9 th March., 2023
	
Workshop on “STARTUPS, CREATIVITY and INNOVATION-Make Your Idea to Happen” on 16 th Jun., 2022	Participation of student at Idea pitching competition and Student Entrepreneur Talk on 29 th Dec., 2021

9.7 Co-curricular and Extra-curricular Activities

Total Marks 10.00

Availability of sports and cultural facilities**Sports Facilities**

Figure 9.7.1: Dr.M.V.L.Surya Kumari,Head, Department of Physical Education

Dr.M.V.L.Surya Kumari has 30 years' experience and is currently heading the Department of Physical Education at GNITS.

She is a Nationals Gold medalist in Athletics and was awarded the first Ph.D. in the area of Physical Education by the Osmania University having carried out her research work at NIN, Hyderabad.

A certified Yoga Trainer, Diabetes Therapist from National Yoga University, SVYASA, Bengaluru and an Internationally accredited certified Fitness Trainer from FAB academy (USA).

Published/ presented more than 30 research papers in various National/ International Journals and Conferences at USA, Australia, Thailand, UK (London- Pre London Olympic conferences at Glasgow and Cambridge University) and India.

Member of Board of Studies for MS (Sports Science), JNTU Kakinada and Visiting Professor for the same course. She guided one Ph.D. scholar in Physical Education from JNTUH.

She is a recipient of National Eminent Educator Award from IPPESS, Prox-R and D Award in Academics (Physical Education), Outstanding Distinguished Service Award from GNITS and Best Teacher award from Rotaract Club, Hyderabad.

Objectives of Department:

The department was established with the following objectives.

- Development of wholesome personality of all the students through their participation in various sports and games.
- Development of sports infrastructural facilities.
- Preparation of college teams for the inter college and university tournaments in different events.
- Organization of Intra college competitions between different departments to provide opportunity for all the students to participate in various sports events.
- Organisation of Inter college tournaments at GNITS to motivate students and to develop leadership abilities among students.

Infrastructure- Sports:**Outdoor Facilities:**

- Basket Ball Court – 1
- Volleyball Court -1
- Throw ball Courts -2
- Handball Court-1
- Kho Kho – 1
- Kabaddi Court – 1
- Open/outdoor Gym with 17 items



Figure 9.7.2: Outdoor Sport Facilities

Indoor Facilities:

- Indoor Badminton Stadium with 2 Wooden Courts with International Standard Lining synthetic mats.
- Sports Room equipped with Table Tennis, Chess and Carrom Boards
- Fitness wing with 8 Station Gym, Jogger, Ab. Exercisers, 2 Cross Trainers, 2 Exercise Cycles and other Toning Equipment (Medicine Balls, Dumbbells, Thera Bands etc.)
- Yoga Hall



INDOOR

- Badminton Stadium
- Table Tennis, Chess and Carrom Boards
- Fitness wing with 8 Station Gym, Jogger, Ab. Exercisers, 2 Cross Trainers, 2 Exercise Cycles and other Toning Equipment (Medicine Balls, Dumbbells, Thera Bands etc.)
- Yoga Hall



**INDOOR
SPORTS**

Figure 9.7.3: Indoor Sport Facilities

Sports Coaching Programmes:

GNITS has been organizing sports coaching programmes to inculcate sports culture among GNITS students that would help them to develop their wholesome personality and life skills. They include coaching programmes in Basketball, Throw ball, Volleyball, Kho Kho, Kabaddi, Table Tennis and Badminton disciplines by experienced coaches.



Figure 9.7.4: Coaching Programs

Sports Achievements for the Academic Year 2023-2024

Table 9.7.1: Sports Achievements for the Academic Year 2023-2024

S.No	Roll No	Name of the Student	Name of the Sports	Team/ Individual	State/National/International	Award	Date	Venue
1	20251A0278	C.Hari Sahithi	Throw ball	Team	State level	Winners	13 & 15 October 2023	M.G.I.T Institute of Technology
2	20251A3638	G. Pranathi	Volley ball	Team	State level	Winners	13 & 15 October 2023	M.G.I.T Institute of Technology
3		M.Dhamanika	Fist Ball	Single	National level	Runner	27 to 29 October 2023	Aksbara Public School, vedasandur, Tamil nadu
4	20251A6651	P.Dharani	Kho-Kho	Team	National level	Winners	18 to 20 Nov 2023	Gudlavalleru Engineering College
5	21251A6764	M.V.Vindhya	Table Tennis	Team	National level	Winners	18 to 20 Nov 2023	Gudlavalleru Engineering College
6	22251A05H0	Haniah fathima	Table Tennis	Team	National level	Winners	18 to 20 Nov 2023	Gudlavalleru Engineering College
7	21251A04C4	P.Harshitha	Table Tennis	Team	National level	Winners	18 to 20 Nov 2023	Gudlavalleru Engineering College
8	21251A6764	M.V.Vindhya	Table Tennis	Singles	National level	Runner	18 to 20 Nov 2023	Gudlavalleru Engineering College
9	22251A05H0	Haniah fathima	Table Tennis	Singles	National level	Winners	18 to 20 Nov 2023	Gudlavalleru Engineering College
10	21251A6712	G.Thanushitha Reddy	Tennis	Singles	National level	Runner	18 to 20 Nov 2023	Gudlavalleru Engineering College
11	21251A6712	G.Thanushitha Reddy	Tennis	Doubles	National level	Winners	18 to 20 Nov 2023	Gudlavalleru Engineering College
12	23251A6721	M.Charisha	Tennis	Doubles	National level	Winners	18 to 20 Nov 2023	Gudlavalleru Engineering College
13	20251A6651	P.Dharani	4x100m Relay	Team	National level	Winners	18 to 20 Nov 2023	Gudlavalleru Engineering College

14	20251A233	G.Tejaswi	4x100mRelay	Team	National level	Winners	18 to 20 Nov 2023	Gudlavallu Engineering College
15	21251A0228	S.Meenakshi	4x100mRelay	Team	National level	Winners	18 to 20 Nov 2023	Gudlavallu Engineering College
16	23251A1271	E.Himaja	4x100mRelay	Team	National level	Winners	18 to 20 Nov 2023	Gudlavallu Engineering College
17	21251A0410	K.Jyoshtna	1500mRUN	Singles	National level	Third	18 to 20 Nov 2023	Gudlavallu Engineering College
18	23251A1271	E.Himaja	Long Jump	Singles	National level	Third	18 to 20 Nov 2023	Gudlavallu Engineering College
19	20251A05G3	M.Supriya Reddy	Throw ball	Team	National level	Winners	20 to 22 Nov 2023	Sreenidhi Institute of Science and Technology.
20	20251A0233	T.Tejaswi	Kho-Kho	Team	National level	Runners	20 to 22 Nov 2023	Sreenidhi Institute of Science and Technology.
21	20251A0278	T.A.L Sravani	Throw ball	Team	State level	Winners	21 to 23 Nov 2023	Vardhaman College of Engineering
22	20251A6651	P.Dharani	Kho-Kho	Team	State level	Winners	21 to 23 Nov 2023	Vardhaman College of Engineering
23	20251A1282	Sahithi varma	Basket Ball	Team	State level	Winners	21 to 23 Nov 2023	Akhil Bharatiya vidharthi parishad
24	20251A05G3	M.Supriya Reddy	Throw ball	Team	State level	Winners	21 to 23 Nov 2023	Akhil Bharatiya vidharthi parishad
25	20251A3656	S. Srujana	Basket Ball	Team	National level	Runners	27 Jan to 3rd Feb 2024	Anurag University
26	21251A1217	M. Vainavi	Badminton	single	National level	Runner	27 Jan to 3rd Feb 2024	Anurag University
27	20251A3654	Santhoshi Pavani	Throw ball	Team	National level	Winners	1 to 3 Feb 2024	Vignan University
28	20251A6651	P.Dharani	Kho-kho	Team	National level	Winners	1 to 3 Feb 2024	Vignan University
29	21251A0228	S.Meenakshi	4X100 mts Relay	Team	National level	Runners	1 to 3 Feb 2024	Vignan University
30	20251A0278	C.Hari Sahithi	Throw ball	Team	State level	Winners	15 & 16 Feb 2024	Mahindra University
31	20251A3654	Santhoshi Pavani	Throw ball	Team	National level	Winners	18 Feb 2024	VIT-AP University
32	20251A6651	P.Dharani	Kho-kho	Team	National level	Winners	18 Feb 2024	VIT-AP University
33	20251A6651	P.Dharani	Kho-kho	Team	National level	Winners	19 & 20 Feb 2024	KL University
34	20251A0278	T.A.L Sravani	Throw ball	Team	National level	Winners	21 Feb 2024	KL University
35	21251A0228	S.Meenakshi	100 mrts	Singles	National level	Runners	19 Feb 2024	KL University

36	21251A0410	K.Jyoshtna	1500mRUN	Singles	National level	Runner	19 Feb 2024	KL University
37	20251A0278	T.A.L Sravani	Throw ball	Team	National level	Winners	23 & 24 Feb 2024	BVRIT
38	20251A3638	G. Pranathi	Volley ball	Team	National level	Runners	23 & 24 Feb 2024	BVRIT
39	20251A0278	C.Hari Sahithi	Throw ball	Team	State level	Winners	28 & 29 Feb 2024	Cvr
40	20251A6651	P.Dharani	Kho-kho	Team	National level	Winners	28 & 29 Feb 2024	Narsimha Reddy Engineering College
41	20251A0278	C.Hari Sahithi	Throw ball	Team	State level	Winners	28 & 29 Feb 2024	VJIT
42	20251A6651	P.Dharani	Kho-kho	Team	National level	Winners	28 & 29 Feb 2024	VJIT
43	22251A05H0	Haniah fathima	Table Tennis	Doubles	National level	Winners	1 & 2 March 2024	VJIT
44	22251A05H0	Haniah fathima	Table Tennis	Doubles	National level	Winners	1 & 2 March 2024	VJIT
45	21251A6764	M.V.Vindhya	Table Tennis	Singles	National level	Runner	1 & 2 March 2024	VJIT
46	20251A0278	C.Hari Sahithi	Throw ball	Team	State level	Winners	12 & 23 March 2024	JBIT
47	20251A6651	P.Dharani	Kho-kho	Team	National level	Winners	12 & 13 March 2024	JBIT

Sports Achievements for the Academic Year 2022-2023

Table 9.9.2: Sports Achievements for the Academic Year 2023-2024

S.No	Roll No	Name of the Student	Name of the Sports	Team/Individual	State/National/International	Award	Date	Venue
1.	21251A1217	M.Vainavi	Badminton	Doubles	State level	Runner	14 & 15 Aug 2022	BHEL, Hyderabad
2.	21251A6648	M. Sriya	Badminton	Doubles	State level	Runner	14 & 15 Aug 2022	BHEL, Hyderabad
3.	21251A04C4	P.Harshitha	Table Tennis	Single	State level	Runner	14 & 15 Aug 2022	BHEL, Hyderabad
4.	21251A0485	P.Manasa	Table Tennis	Single	State level	Winner	14 & 15 Aug 2022	BHEL, Hyderabad
5.	21251A6764	M.V.Vindhya	Table Tennis	Single	State level	Winner	14 & 15 Aug 2022	BHEL, Hyderabad
6.	20251A04G4	N. Rashmitha	Chess	Single	State level	Runner	14 & 15 Aug 2022	BHEL, Hyderabad
7.	20251A1722	S. Shivani	Kabaddi	Team	State level	Winners	14 & 15 Aug 2022	BHEL, Hyderabad
8.	20251A6651	P.Dharani	Kho Kho	Team	State level	Winners	14 & 15 Aug 2022	BHEL, Hyderabad
9.	20251A1282	M.Sahithi Varma	Basket Ball	Team	State level	Winners	14 & 15 Aug 2022	BHEL, Hyderabad

10.	21251A0262	Anjali	Volleyball	Team	State level	Winners	14 & 15 Aug 2022	BHEL, Hyderabad
11.	20251A3654	S.v.l. Santhoshi Pavani	Throw Ball	Team	State level	Winners	14 & 15 Aug 2022	BHEL, Hyderabad
12.	19251A1272	G.Geetha Krishna	Badminton	Individual	District level	Winners	19/8/22	Chaitanya Bharathi Institute of Technology
13.	19251A0543	S. Shreya	Throw ball	Team	State Level	Winners	12&13Octo2022	B V R I T
14.	19251A05A0	N. Charitha	Volley Ball	Team	State Level	Winners	12&13Octo2022	B V R I T
15.	19251A05A0	N. Charitha	Volley Ball	Team	National	Winners	4 th &6Nov2022	Chaitanya Bharathi Institute of Technology
16.	19251A0543	S. Shreya	Throw ball	Team	National	Winners	4 th &6Nov2022	Chaitanya Bharathi Institute of Technology
17.	19251A05F4	L. Ramya Sri	Table Tennis	Individual	National	Runner	4 th &6Nov2022	Chaitanya Bharathi Institute of Technology
18.	20251A05G3	M.Supriya Reddy	Throw ball	Team	National	Winners	25th&26NOV2022	G N I T S
19.	19251A0489	Charishma Reddy	Volley Ball	Team	National	Runner	25th&26NOV2022	G N I T S
20.	19251A1217	Esha Reddy	BasketBall	Team	National	Runner	25th&26NOV2022	G N I T S
21.	20251A0245	P.Sri Lakshimi	Kho Kho	Team	National	Winners	25th&26NOV2022	G N I T S
22.	19251A1272	G.Geetha Krishna	Badminton	Individual	National	Winners	25th&26NOV2022	G N I T S
23.	19251A05F4	L. Ramya Sri	Table Tennis	Individual	National	Winners	25th&26NOV2022	G N I T S
24.	19251A1279	J. Chandrika	Kho Kho	Team	National	Winners	2&3Dec 2022	Sridevi Women's Engineering College
25.	21251A0228	S.Meenakshi	100m RUN	Single	State	Winners	11 & 12 Jan 2023	L.B Stadium, Hyderabad
26.	23251A1271	E.Himaja	100 m RUN	Single	State	Runners	11 & 12 Jan 2023	L.B Stadium, Hyderabad
27.	20251A1711	Meghana	200 m Run	Single	State	Winners	11 & 12 Jan 2023	L.B Stadium, Hyderabad
28.	20251A0435	Aruna	200 m Run	Single	State	Runners	11 & 12 Jan 2023	L.B Stadium, Hyderabad
29.	20251A1711	Meghana	400 m Run	Single	State	Winners	11 & 12 Jan 2023	L.B Stadium, Hyderabad
30.	20251A6651	P.Dharani	400 m Run	Single	State	Runner	11 & 12 Jan 2023	L.B Stadium, Hyderabad
31.	21251A0410	K.Jyoshtna	800 m Run	Single	State	Winners	11 & 12 Jan 2023	L.B Stadium, Hyderabad
32.	20251A233	G.Tejaswi	800 m Run	Single	State	Runner	11 & 12 Jan 2023	L.B Stadium, Hyderabad
33.	20251A1711	Meghana	4x100mRelay	Team	State	Winners	11 & 12 Jan 2023	L.B Stadium, Hyderabad

34.	21251A0228	S.Meenakshi	4x100mRelay	Team	State	Winners	11 & 12 Jan 2023	L.B Stadium, Hyderabad
35.	23251A1271	E.Himaja	4x100mRelay	Team	State	Winners	11 & 12 Jan 2023	L.B Stadium, Hyderabad
36.	20251A6651	P.Dharani	4x100mRelay	Team	State	Winners	11 & 12 Jan 2023	L.B Stadium, Hyderabad
37.	20251A233	G.Tejaswi	4x400mRelay	Team	State	Winner	11 & 12 Jan 2023	L.B Stadium, Hyderabad
38.	20251A0435	Aruna	4x400mRelay	Team	State	Winners	11 & 12 Jan 2023	L.B Stadium, Hyderabad
39.	21251A0410	K.Jyoshtina	4x400mRelay	Team	State	Winners	11 & 12 Jan 2023	L.B Stadium, Hyderabad
40.	20251A6651	P.Dharani	4x400mRelay	Team	State	Winners	11 & 12 Jan 2023	L.B Stadium, Hyderabad
41.	21251A0263	A.Alekhyaa	Short Put	Single	State	Runner	11 & 12 Jan 2023	L.B Stadium, Hyderabad
42.	21251A6717	P.Kavya	Discus Throw	Single	State	Runner	11 & 12 Jan 2023	L.B Stadium, Hyderabad
43.	19251A0543	S. Shreya	Throw ball	Team	State Level	Winners	2&3Feb2023	CVR
44.	19251A0543	S. Shreya	Throw ball	Team	National	Winners	2 nd -5 th feb 2023	BITS
45.	19251A05F4	L. Ramya Sri	Table Tennis	Team 1	National	Winners	9&10 2023	V N R V J I T
46.	22251A05H0	Haniah fathima	Table Tennis	Team 1	National	Winners	9&10 2023	V N R V J I T
47.	19251A1279	J. Chandrika	Kho Kho	Team	National	Runner	19 Feb to 2nd Mar 2023	VIT AP University
48.	19251A0543	S. Shreya	Throw ball	Team	National	Winners	19 Feb to 2nd Mar 2023	VIT AP University
49.	19251A05F4	L. Ramya Sri	Table Tennis	Team 1	National	Winners	27 th ,28 th FEB 2023	Arora
50.	21251A0403	M.Mounika	Volley Ball	Team	National	Winners	2&3 Mar2023	V J I T
51.	21251A1217	M.Vainavi	Badminton	Team	National	Winners	2&3 Mar2023	V J I T
52.	19251A0543	S. Shreya	Throw ball	Team	National	Winners	2&3 Mar2023	V J I T
53.	19251A1217	Esha Reddy	Basket Ball	Team	National	Runner	2&3 Mar2023	V J I T
54.	19251A05F4	L. Ramya Sri	Table Tennis	Team 1	National	Winners	2&3 Mar2023	V J I T
55.	19251A1279	J. Chandrika	Kho-Kho	Team	National	Winners	9&10 Mar2023	Anurag University, Hyderabad
56.	19251A0543	S. Shreya	Throw ball	Team	National	Winners	9&10 Mar2023	Anurag University, Hyderabad
57.	19251A05A0	N. Charitha	Volley Ball	Team	National	Winners	9&10 Mar2023	Anurag University, Hyderabad
58.	19251A05A0	N. Charitha	Volley Ball	Team	National	Winners	3 rd and 4 th april 2023	Mahindra University, Hyderabad

59.	19251A0543	S. Shreya	Throw ball	Team	National	Winners	3 rd and 4 th april 2023	Mahindra University, Hyderabad
60.	21251A1217	M.Vainavi	Badminton	Team	National	Third	3 rd and 4 th april 2023	Mahindra University, Hyderabad
61.	19251A0543	S. Shreya	Throw ball	Team	State level	Winners	17 th -18 th april 2023	KG Reddy College of Engineering and Technology
62.	19251A05A0	N. Charitha	Volley Ball	Team	State level	Winners	17 th -18 th april 2023	KG Reddy College of Engineering and Technology
63.	20251A1722	S. Shivani	Kabaddi	Team	State level	Winners	17 th -18 th april 2023	KG Reddy College of Engineering and Technology
64.	21251A1217	M.Vainavi	Badminton	Individual	State level	Winners	17 th -18 th april 2023	KG Reddy College of Engineering and Technology
65.	21251A6648	M. Sriya	Badminton	Individual	State level	Runner	17 th -18 th april 2023	KG Reddy College of Engineering and Technology
66.	19251A1279	J. Chandrika	Kho-Kho	Team	National	Winners	26&27 April 2023	Gokaraju Rangaraju Insititute of Engineering & Technology
67.	21251A6764	M.V.Vindhya	Table Tennis	Team	State level	Winners	9&10 Jun 2023	J.B Institute of Engineering And Technology
68.	19251A0543	S. Shreya	Throw ball	Team	State level	Winners	9&10 Jun 2023	J.B Institute of Engineering And Technology
69.	20251A6651	P.Dharani	Kho-Kho	Team	State level	Winners	9&10 Jun 2023	J.B Institute of Engineering And Technology

Sports Activities during the Academic Year 2022-2023

Table 9.3.3: Sports Achievements for the Academic Year 2023-2024

S.NO	Event Organized	Resource Person	Date	Duration	Venue	Number of participants
1.	X national level Inter Engineering College Sports meet for Women, VERVE-22	Ms. Naina jaiswal, International Table tennis Player .MS.K.Sindhuja International Archer	25th and 26th Nov. 2022	2 days	GNITS	600
2.	Silver Jubilee Sports Day Celebrations	DCP of Telangana Smt.Shirisha Raghavendra.	14th Dec. 2022	1 Month	GNITS	700
3.	2k Freedom Run	Chairman Sri. P. Subba Reddy, Principal Dr. K. Ramalinga Reddy.	26/1/2023	1 Day	GNITS	150
4.	Yoga for Wellness	Yogacharya Brij Bhushan Purohith-Namaste Yoga foundation Hyderabad.	18/6/2023	3 Days	GNITS	300
5.	Azadi Ka Amrit Mahotsav Celebrations	Principal Dr. K. Ramalinga Reddy	15/8/2023	1 Day	Ground, GN ITS	580

Sports Achievements for the Academic Year 2021-2022

Table 9.3.4: Sports Achievements for the Academic Year 2021-2022

S.No.	Roll No	Name of the Student	Name of the Sports	Team/Individual	State/National/International	Award	Date	Venue
1.	18251A1738	G.Vinusha	Throw Ball	Team	State	Winners	4 th and 5 th March 2022	Mall Reddy college of engineering and Technology, Hyderabad
2.	18251A0459	V. Gayathri	Throw Ball	Team	Inter University	Winners	16 th and 17 th March 2022	Malla Reddy University, Hyderabad.
3.	19251A1272	G.Geetha Krishna	Badminton	Individual	State	Runners	24 th , 25 th and 26 th March 2022	Vignan Jyothi Institute of Management, Hyderabad
4.	19251A1272	G.Geetha Krishna	Badminton	Team	State	Winners	24 th , 25 th and 26 th March 2022	Vignan Jyothi Institute of Management, Hyderabad
5.	18251A0574	K.Vinisha	Throw Ball	Team	State	Winners	30 th and 31 st march 2022	B.V. Raju Institute of Technology, Narsapur.
6.	18251A1739	Yogini	Volley Ball	Team	State	Winners	30 th and 31 st march 2022	B.V. Raju Institute of Technology, Narsapur.
7.	18251A1221	M. Ruchitha	Throw Ball	Team	National	Winners	7 th and 8 th April 2022	Kommuri pratap Reddy Institute of Technology, Hyderabad
8.	1951A05F4	L.Ramya Sri	Table Tennis	Individual	State	Runner	8 th and 9 th April 2022	Mahatma Gandhi Institute of Technology, Hyderabad.
9.	18251A1228	T.Sruthi	Table Tennis	Team	State	Winners	8 th and 9 th April 2022	Mahatma Gandhi Institute of Technology, Hyderabad.
10.	19251A05H3	S. Shriya	Throw Ball	Team	State	Winners	8 th and 9 th April 2022	Mahatma Gandhi Institute of Technology, Hyderabad.
11.	19251A05A0	N. Charitha	Volley Ball	Team	State	Winners	8 th and 9 th April 2022	Mahatma Gandhi Institute of Technology, Hyderabad.
12.	18251A04G2	Saachika Reddy	Basket Ball	Team	State	Winners	8 th and 9 th April 2022	Mahatma Gandhi Institute of Technology, Hyderabad.
13.	18251A04F3	B. Rishitha	Throw Ball	Team	State	Winners	12 th and 13 th April 2022	Mahaveer Institute of Science and Technology, Hyderabad

14.	19251A05 73	Anvitha	Chess	Individual	State	Winners	12 th and 13 th April 2022	Mahaveer Institute of Science and Technology, Hyderabad
15.	20251A04 G4	N. Rashmitha	Chess	Individual	State	Runners	12 th and 13 th April 2022	Mahaveer Institute of Science and Technology, Hyderabad
16.	19251A05 F4	L. Ramya Sri	Table Tennis	Individual	State	Runners	12 th and 13 th April 2022	Mahaveer Institute of Science and Technology, Hyderabad
17.	18251A05 74	K. Vinisha	Throw Ball	Team	National	Winners	22 nd and 23 rd April 2022	Anurag University, Hyderabad
18.	19251A04 89	N. Charishm a	Volley Ball	Team	National	Winners	22 nd and 23 rd April 2022	Anurag University, Hyderabad
19.	20251A04 G4	N. Rashmitha	Chess	Individual	National	Runners	22 nd and 23 rd April 2022	Anurag University, Hyderabad
20.	19251A05 F4	L. Ramya Sri	Table Tennis	Team	National	Winners	22 nd and 23 rd April 2022	Anurag University, Hyderabad
21.	18251A04 E7	T. Naga Pranathi	Kho- Kho	Team	National	Winners	22 nd and 23 rd April 2022	Anurag University, Hyderabad
22.	18251A17 38	G. Vinusha	Throw ball	Team	National	Winners	12 th and 13 th May 2022	Vidya Jyothi Institute of Technology, Hyderabad.
23.	19251A12 79	J. Chandrika	Kho Kho	Team	National	Winners	12 th and 13 th May 2022	Vidya Jyothi Institute of Technology, Hyderabad
24.	18251A12 21	M. Ruchitha	Throw ball	Team	State	Winners	25 th and 26 th May 2022	J. B. Institute of Technology, Hyderabad.
25.	18251A02 37	Janet Angela E	Basketb all	Team	National	Runners	1 st and 2 nd June 2022	VNR Vignan Jyothi Institute of Engineering and Technology, Hyderabad
26.	18251A02 33	B. Navya	Volleyba ll	Team	National	Winners	8 th to 11 th June 2022	Sreenidhi Institute of Science and Technology, Hyderabad
27.	18251A04 F3	B. Rishitha	Throw ball	Team	National	Winners	8 th to 11 th June 2022	Sreenidhi Institute of Science and Technology, Hyderabad
28.	21251Ao2 28	S. Meenaksh i	Kho Kho	Team	National	Winners	16 th to 18 th June 2022	Vignan's Institute of Management and Technology for women, Hyderabad.

29.	21251A0262	Anjali	Volleyball	Team	National	Winners	16 th to 18 th June 2022	Vignan's Institute of Management and Technology for women, Hyderabad.
30.	19251A0543	S. Shreya	Throw ball	Team	National	Winners	16 th to 18 th June 2022	Vignan's Institute of Management and Technology for women, Hyderabad.
31.	19251A05F4	L. Ramya Sri	Table Tennis	Team	National	Winners	16 th to 18 th June 2022	Vignan's Institute of Management and Technology for women, Hyderabad.
32.	19251A05F4	L. Ramya Sri	Table Tennis	Individual	National	Winners	16 th to 18 th June 2022	Vignan's Institute of Management and Technology for women, Hyderabad.
33.	21251Ao228	S. Meenakshi	200 Mts. Run	Individual	National	Winners	16 th to 18 th June 2022	Vignan's Institute of Management and Technology for women, Hyderabad.
34.	21251A6764	M.V.Vindhya	Table Tennis	Individual	National	Runner	16 th to 18 th June 2022	Vignan's Institute of Management and Technology for women, Hyderabad.

Sports Activities Conducted for the Academic Year 2021-2022

Table 9.3.5: Sports Activities Conducted for the Academic Year 2021-2022

S.NO	Event Organized	Resource Person	Date	Duration	Venue	Number of participants
1.	Mini Sports Fest	Principal Dr. K. Ramalinga Reddy.	15-12-2021 to 30-12-2021	15 Days	GNITS	300
2.	Yoga for Wellness- Webinar	Yogacharya Brij Bhushan Purohith-Namasthe Yoga foundation Hyderabad. Dr.D.Jyothi-Associate Profësor,National Sanskrit University,Tirupathi	12-06-2022	1 Day	online	324
3.	A seminar on Physical Literacy for health and Fitness	Dr.Amit Malik-India Lead-International Physical Literacy Association,Hyderabad.	14/06/2022 to 17/06/2022	3 Days	Main seminar hall, Admin block	100
4.	A workshop on Yoga for womens health	Yogacharya Brij Bhushan Purohith-Namasthe Yoga foundation Hyderabad.	14/06/2022 to 17/06/2022	3 Days	H3 block,GNITS	45
5.	Azadi Ka Amrit Mahotsav Celebrations	Principal Dr. K. Ramalinga Reddy	15/8/2022	1 Day	Ground,GNITS	500

Sports Achievements for the Academic Year 2020-2021

Table 9.3.6: Sports Achievements for the Academic Year 2020-2021

S.No	Roll No	Name of the Student	Name of the Sports	Team/ Individual	State/National /International	Award	Date	Venue
1.	19251A05 F4	L.Ramya Sri	Table Tennis	Individual	National	Runner	6- 12- 202 1 to 9- 12- 202 1	Sreenidhi Institute of Science and Technolo gy
2.	18251A12 28	T.Sruthi	Table Tennis	Team	National	winner s	6- 12- 202 1 to 9- 12- 202 1	Sreenidhi Institute of Science and Technolo gy
3.	18251A05 74	K.Vinees ha	Thro w Ball	Team	National	winner s	6- 12- 202 1 to 9- 12- 202 1	Sreenidhi Institute of Science and Technolo gy
4.	15251A17 39	Yogini	Volle y Ball	Team	National	winner s	6- 12- 202 1 to 9- 12- 202 1	Sreenidhi Institute of Science and Technolo gy
5.	21251A36 28	Jayasree Parini	Ches s	Individual	State	Winne rs	27- 12- 202 1	Rishi MS Institute of Engineer ing and Technolo gy for women

Sports Activities Conducted for the Academic Year : 2020-2021

Table 9.3.7: Sports Activities Conducted for the Academic Year : 2020-2021

S.NO	Event Organized	Resource Person	Date	Duration	Venue	Number of participants
1.	Mini Sports Fest	Principal Dr. K. Ramalinga Reddy.	15-12-2021 to 30-12-2021	15 Days	GNITS	300

2.	Yoga for Wellness-Webinar	Yogacharya Brij Bhushan Purohith-Namasthe Yoga foundation Hyderabad. Dr.D.Jyothi-Associate Professor,National Sanskrit University,Tirupathi	12-06-2022	1 Day	online	324
3.	A seminar on Physical Literacy for health and Fitness	Dr.Amit Malik-India Lead-International Physical Literacy Association,Hyderabad.	14/06/2022 to 17/06/2022	3 Days	Main seminar hall, Admin block	100
4.	A workshop on Yoga for womens health	Yogacharya Brij Bhushan Purohith-Namasthe Yoga foundation Hyderabad.	14/06/2022 to 17/06/2022	3 Days	H3 block,GNITS	45
5.	Azadi Ka Amrit Mahotsav Celebrations	Principal Dr. K. Ramalinga Reddy	15/8/2022	1 Day	Ground,GNI TS	500





Figure 9.7.5: Glimpses of Various Events and Activities Conducted

Cultural Facilities

Extra-curricular Activities

An excellent and well-rounded academic course always includes extra-curricular activities and co-curricular activities. In order to encourage student participation and involvement we at GNITS have very diverse and engaging student lead clubs. These clubs are instrumental in providing a platform for students to hone their skills, show case their talent and develop their leadership abilities. Be it self-defence or social responsibility or creativity we have very active student clubs in each of these domains. The following is the list of student clubs and which show a glimpse of their activities.

Samskruthi – GNITS cultural club

Soaring Beyond Boundaries



- **Samskruthi-** GNITS cultural Club was established in 2008, stands as the vibrant cultural club of GNITS, dedicated to the celebration and promotion of diverse cultural expressions.
- Through a rich tapestry of events, workshops, and performances, Samskruthi endeavours to create a platform where students can deeply engage with various art forms, traditional practices, and modern creative pursuits.
- Playing a pivotal role in fostering creativity, teamwork, and a profound understanding of cultural diversity within the GNITS community, Samskruthi has evolved into a dynamic hub of talent and cultural richness.
- The club organizes a series of flagship events, featuring mini-fests that embody the festive spirit throughout the academic year.
- From the Christmas and New Year celebrations to Diwali and Dusshera festivities, Samskruthi ensures each cultural occasion is marked with joy, enthusiasm, and traditional fervour. The inter-college cultural meet facilitates cultural exchange, allowing students to showcase their talents and engage with diverse artistic expressions.
- The Annual Day and Annual Cultural Fest, Asterias, represent the pinnacle of Samskruthi's efforts, providing a grand stage for students to exhibit creativity, skills, and cultural pride.



Figure 9.7.6: Deccan Project performance: Silver Jubilee-2023



Figure 9.7.7: Pottery work shop : Silver jubilee celebrations K-POP stall : Asteria-2023

Literaria Clava



- **Literaria Clava**, the literary club of GNITS was christened in 2011. It is a sanctuary for those who cherish the magic of the written word.
- The mission of the club is to ignite the flames of literary passion in the hearts of its members and encourage them to venture beyond the boundaries of their imaginations.
- With a plethora of events, the club offers a multitude of avenues to celebrate the beauty of literature.
- Literaria Clava has hosted a number of successful events that received an overwhelming participation by students over the years.
- The club is committed to fostering communication, rhetorical, and cooperative skills, as well as actively inspiring students to evolve into adept orators, showcasing their intellectual independence and critical thinking prowess.
- Through these dynamic events, Literaria Clava not only fosters a vibrant literary culture but also instills a profound sense of confidence in its members as they navigate the captivating realm of words and ideas.



Figure 9.7.8: Literaria Clava: Student body 2022-2023

ARTISTA

YOUR PASSION OUR PLATFORM



- **ARTISTA, the art club of GNITS**, was endowed in 2016 and is one of the finest clubs in the college, paving the way for the students with creative skills and talents to bring them to the forefront through various activities, events, and workshops.
- Art has the characteristics of raising questions and breaking existing thinking, the club hopes to cultivate students ability to diverge and enhance their creativity through the implantation of art.
- This club aims to promote creativity, artistic expression, and a supportive environment for members by hosting workshops, providing platforms for experimentation, fostering a collaborative culture, and welcoming diverse backgrounds and skill levels.



Figure 9.7.9: Artista : Student ET-2022-23

Suswara

Symphony to your soul

- **Music club of GNITS**, established in year 2022-SUSWARA aspires to nurture musical talent and put on shows that everyone can cherish .The club has the most talented singers and musicians ranging from classical genre to western genre, Veena players to Guitarists holding up our moto- 'Symphony to your Soul'.
- Our objective is to celebrate diverse music, creating an inclusive space for unity through melodies. We strive to nurture a community where passion for singing flourishes, inspiring members to express their unique musicality
- Events and activities conducted by the club:
 - Suswara's First Recital
 - Suswara's Inaugural
 - Inter-College cultural fest
 - Silver Jubilee celebrations-Musical night
 - WILC
 - Event at Statue of Equality
 - Independence day celebrations
 - Induction program



Figure 9.7.10: Performance of Suswara Team

ABHAYA

- **ABHAYA, is the women safety club of GNITS** that came into limelight in the year of 2020 with an aim of creating a safe environment for women, empowering them and enabling them to raise their opinions.
- This club is an initiative taken by Mrs.T.Aparna mam, students of GNITS in collaboration with TS Police. Since the establishment of ABHAYA we have conducted several events, seminars and self-defense training for women to publicize the club and its ideas.
- We started entering into all the possible social handles for staying well-connected with women who needs our help.
- Most of the ABHAYA members are well trained to reach out to people and help them. We also dealt with a couple of cases out of campus who pinged us through our Instagram handle.
- This webpage is also built to get much closer to you. With this web page as an interface, we would like to thank everyone for being so positive towards ABHAYA and we promise to help all the women out there whos in need.



Figure 9.7.11: Self-defence workshop by Abhaya



- **The Rotaract Club** of GNITS was established in 2014 in association with Rotaract District 3150. Rotaract GNITS is dedicated to promoting the Rotary International values of service above self, ethical leadership, and global citizenship.
- Rotaract is distinguished from other college clubs because of its global perspective - being a part of the larger Rotary International network which is a global organization that spans continents and countries.
- At the heart of the Rotaract Club of GNITS are its diverse avenues, each contributing to a well-rounded approach to service and personal growth.
- The club is organized into several pillars, including community services, international services, finance, club services, and professional development.
- These pillars form the foundation for the clubs multifaceted initiatives and events that span a wide range of fields.
- Through its diverse range of activities, including MUNs, donation drives, and seminars, the Rotaract Club of GNITS exemplifies a commitment to service, personal development, and community engagement. With each initiative, the club aims to leave a mark, embodying the principles of Rotaract and inspiring positive change in the world.



Figure 9.7.12: AbhayaRotaract : Student committee

Cultural Events / Competitions

The following is the list events conducted during the AY: 2023-2024

Table 9.7.8: Events conducted during the AY: 2023-2024

S.No	Name of the Event	Date	Number of Participants
1	Book Mark 'ed (Lit Coven)	14 th July 2023	40
2	Laddoo Hunt	15 th September 2023	150
4	Samosa with Samskruthi	15 th September,2023	17
5	Christmas Fest	28 th December,2023	140
6	Blind Date with a Book	28 th December 2023	50

The following is the list events conducted during the AY: 2022-2023

Table 9.7.9: Events conducted during the AY: 2022-2023

Sl.No	Name of the Event	Date	Number of Participants
1	Nirvana	15-10-2022	300
2	Miss GNITS	25-11-2022	34
3	Verve X GNITS	25-11-2022	740
4	Deccan project X GNITS	25-11-2022	2000
5	Women in Leadership Conclave -2023	7-3-2023 to 8-3-2023	1050

The following is the list events conducted during the AY: 2022-2023

Table 9.7.10: Events conducted during the AY: 2021-2022

S.No	Name of the event	Date	No.of participants
1.	Asteria 2021 (cultural mini fest)	24-08-2021	100
2.	Diwali 2021	01-11-2021	90
3.	Minifest 2021	18-12-2021	150
4.	Club Rendezvous	11-03-2022	50
5.	Asteria 2022 (cultural minifest)	06-05-2022	150
6.	Valedictory 2022 and Krithi Magazine Release	25-06-2022	50

College Annual Day Celebrations

- **College Annual Day** is celebrated with great joy and pride at the end of the academic year to appreciate the students' achievements in all curricular, co-curricular and extracurricular activities conducted throughout the year.
- Gold Medals are given to the students who have excelled and topped the branch with highest aggregate pass percentage, Academic prizes are given year-wise and branch-wise to the students with highest pass percentage during the academic year.
- Awards are given to the Prize winning students led by faculty members in various technical events. Besides, academic and technical achievements Awards and rewards are given to the students who have shown outstanding performance in Sports, Literary and Cultural events followed by the cultural performances both by the students and the staff members.

- Annual Day Celebrations offer students, staff, faculty members, Management members to come together and bring about a sense of togetherness with diverse streams and cultures.
- The year 2022 marks the milestone of celebrating 25 years of Excellence in Technical Education by GNITS. Silver Jubilee Celebrations were conducted on 15th December, 2022 on the occasion of Founders Day.
- Prof.Katta Narasimha Reddy as Chief Guest of the function and Ms.Triveni Bonthu, Associate Director, LTI Mind Tree as Guest of Honour graced the occasion.
- Silver Jubilee Year was marked by 75 years of Azadi Ka Amrith Mahotsav was made much more memorable and with the visit of the President of India Smt.Draupadi Murmu.



Figure 9.7.13: Cultural Activities performed on the Occasion of Silver Jubilee Celebrations



Figure 9.7.13: Cultural Activities performed on Visit of Honourable President of India-Dec'22

B.NCC, NSS and Other Clubs

NATIONAL SERVICE SCHEME (NSS).



The main motto of the National Service Scheme is 'NOT ME BUT YOU'. This reflects the essence of democratic living and uphold the need for selfless service and appreciation of the other person's point of view and also to show consideration for fellow human beings. Therefore, it should be the aim of the NSS to demonstrate this motto in its day to day programmes.

Under NSS these are the Six Clubs/Wings including NSS are the part of the NSS Activities.

The names of the Wings/Clubs are: -

1. NSS Unit/Wing
2. Aarambh Student's Club
3. Abhaya
4. Jeeyar Youth Club
5. Rotaract
6. Street-Cause

Each club has its own Executive Body and members around 100 volunteers for each one. Altogether, there are around 500 plus students' volunteers and faculty departmental coordinators.

Functions or objectives of NSS Cell

- The main objective of National Service Scheme is personality development through social service or community service.
- The students have to understand themselves their relation to the community
- Identify the needs and problems of the community and involve them
- Developing social and civic responsibility
- Improving leadership quality
- Practice National integration
- Developing the social harmony skills
- This program aims at inculcating social welfare thoughts among the students by providing service to the society without any prejudice.

Table 9.7.10: NSS activities conducted during: 2023 – 2024

S.No.	Name of the Activity	Date	No. of participants
1	Blood Donation Camp in association with Round table India, Jubilee Hills, Hyderabad.	20-11-2023	126
2	Kargil 24 th Vijay Diwas organized at KMIT, Hyderabad.	25-07-2023	125
3	Free Medical Camp in association with All Health Group, Hyderabad.	23-09-2023	62
4	Awareness Program on Traffic and Road safety, Telangana Police.	13-02-2024	55
5	Awareness Program on Mental Health.	10-10-2023	180
6	Awareness Program on CPR and First Aid, at Rashtrapati Bhavan, Hyderabad.	14-02-2024	58
7	SCRIBES to write the Sanskrit exam for Netralaya Degree College, Muchintal, Hyderabad.	14-12-2023	42
8	SCRIBES to write the Sanskrit exam for Netralaya Degree College, Muchintal, Hyderabad.	30-12-2023	40
9	Awareness Program on Cancer, Jeeyar Youth Club, Hyderabad.	04-02-2024	240
10	Mental Health Forum, Rotaract-GNITS.	10-10-2023	49
11	Winter Essentials Collection drive for Orphanage Donation, Rotaract-GNITS.	7-11-2023 to 10-11-2023	18
12	Vision Board designing completions at GNITS.	03-01-2024	22
13	National Youth Day – Swami Vivekananda Birth Day celebrations.	10-01-2024	59
14	Self Defence workshop by SHE Team, TS Police.	28-12-2023	117
15	National Girl child day by Women Safety wing, Cyberabad, Telangana Police.	24-01-2024	100

Table 9.7.11: NSS activities conducted during: 2022 – 2023

S.No.	Name of the Activity	Date	No. of participants
1	Awareness Programme on Rural Development by Aware Group, Hyderabad.	28-11-2022	312

2	Blood Donation Camp by Rotary Club, Hyderabad Central.	22-12-2022	135
3	Free Medical Camp by Vijaya Diagnostics, Hyderabad.	08-03-2023	122
4	Awareness Programme on Narcotic Drugs with adverse effects.	03-06-2023	35
5	Provision of tableware, Street Cause, Hyderabad.	24-05-2023	25
6	CC Cameras Installation.	23-05-2023	15
7	RFC 9.0, Concert.	08-04-2023	33
8	Online Competitions for Skill Development.	25-01-2023	40
9	Winter Clothing Drive, Corporate social responsibility.	08-01-2023	45
10	Sports Equipment, Corporate social responsibility.	20-12-2022	50
11	Vastra Daana, Corporate social responsibility.	23-09-2022	30
12	Menstrual Hygiene, Corporate social responsibility.	25-09-2022	20
13	School Supplies stationery, Corporate social responsibility.	19-09-2022	35
14	Career guidance, Corporate social responsibility.	12-09-2022	40
15	Distribution of Benches.	08-09-2022	65
16	Providing Laptop and Projector, Corporate social responsibility.	26-07-2022	20
17	Distribution of benches and water purifier, Corporate social responsibility.	10-07-2022	20
18	Creating a model Parliament, MUN, Rotaract-GNITS.	28-01-2023	100
19	Dr. Reddy's Labs women safety awareness session.	10-02-2023	100

Table 9.7.12: NSS activities conducted during: 2021 – 2022

S.No.	Name of the Activity	Date	No. of participants
1	Blood Donation Camp by Red Cross, Hyderabad.	07-04-2022	68
2	Free Medical Camp by Vijaya Diagnostics, Hyderabad.	08-04-2022	138
3	Haritha Haram at GNITS, Hyderabad.	18-04-2022	150
4	Free Distribution of Beds and Pillows for Needy people, Abdullapurmet Mandal, Telangana.	03-02-2022	6
5	Provision of Cooking suppliences.	18-04-2022	25
6	Construction of Handwash and Running system.	18-04-2022	10
7	Construction of water tank.	03-03-2022	10
8	Blanket donation drive.	16.04-2022	25
9	Provision of lights wiring and school gate.	26-11-2021	15
10	Provision of Benches.	30-11-2021	30
11	Garbha Night for Fund-Raising.	19-10-2021	1289
12	Global Young Leaders Conclave, Rotaract, Hyderabad.	07-10-2021	115
13	Awareness program on home sparrow conservation launch, Rotaract-GNITS.	24-03-2022	120
14	What do you need from Freedom, Rotaract-GNITS.	15-08-2021	40
15	University Diversity, Rotaract-GNITS.	15-08-2021	45
16	Project Akshaya-Donation of Earthen Pots, Rotaract-Hyderabad.	26-04-2022	26
17	Awreness Program on home sparrow conservation launch, Rotaract-Hyderabad.	24-03-2022	120
18	Project Akshaya-Donation of Earthen Pots, Rotaract-Hyderabad.	26-04-2022	21
19	“Train the Trainer” Volunteering program – “Girl safety club”.	17-11-2021	36
20	Girl safety club “ABHAYA” Awareness Program.	30-11-2021	2200
21	International Women's Day one week celebrations.	07-03-2022 to 11-03-2022	120

Table 9.7.13: NSS activities conducted during: 2020 – 2021

S.No.	Name of the Activity	Date	No. of participants
-------	----------------------	------	---------------------

1	Serving Food for Needy People at ESIC Hospital (Sanath nagar) in Pandemic.	18-08-2021 to 19-08-2021	6 (250 Food Packets were served)
2	Haritha Haram at GNITS.	16-07-2021	12
3	Yoga for Old People.	07-02-2021	15
4	Personality Development Program.	26-01-2021	20
5	Blanket drive in the streets of Hyderabad.	18-12-2021 and 19-12-2021	70
6	Provision of school equipment to Government Nehru Memorial school, Hyderabad.	29-11-2020	59
7	Provision of groceries to karuna Jyothi Orphanage, Hyderabad.	30-11-2020	44
8	Slum Adoption Project, Hyderabad.	22-11-2020	50
9	Sanitation Work at Amma Ashramam, Warangal.	08-09-2020	34
10	Slum Adoption Project, Hyderabad.	04-09-2020	80
11	Walking Sticks Distribution in Yenkanpally village.	05-08-2020	24
12	Building Water Tank in Yenkanpally Village.	06-08-2020	85
13	Medical camp in Nidmanoor, Nalgonda Dist.	23-08-2020	129
14	Stationery Distribution to Telangana Primary School, Nalgonda District.	23-08-2020	50
15	Health Awareness Program to Villagers of Nidmanoor, Nalgonda Dist.	23-08-2020	18
16	Personality Development Program to students of Telanagana, primary School, Nalgonda District.	23-08-2020	10
17	Distribution of groceries care Warriors Foundation Hyderabad.	09-08-2020	45
18	"TRAIN THE TRAINER" by Telangana Police Women safety wing.	04-01-2021 to 08-01-2021	29

NSS ACTIVITIES CONDUCTED 2022-2023

•

Awareness Programme on Rural Development by Aware Group

•

Blood Donation Camp by Rotary Club, Hyderabad Central

•

Free Medical Camp by Vijaya Diagnostics

•

Awareness Programme on Narcotic Drugs with adverse effects

1. A Report on Awareness Programme on Rural Development by Aware Group

GNITS NSS Unit had organized "Awareness Program on Rural Development" on 28.11.2022. The programme was chaired by Dr. P.K.S. Madhavan, Chairman of Aware group.

As a part of this program our honorable Chief Guest had shared this life time experiences on working with up lifting of Naga tribals of Shillong, Meghalaya et.c.

The programme was grand success with the presence of 312 students and several staff members along with the Vice Chairman, Principal of GNITS.



Figure 9.7.14: Awareness Programme on Rural Development by Aware Group

2. A Report on Blood Donation Camp by Rotary Club, Hyderabad Central

Blood Donation camp was conducted on 22nd December, 2022 at GNITS in collaboration with Rotary Club, Hyderabad Central, Hyderabad. In this camp 40 volunteers participated. This camp was successful with 118 Donors including staff and students. The Chairman of the college Sri. P. Subba Reddy garu and Principal Dr. K. Ramesh Reddy garu have appreciated the initiative and the social responsibility of the students in donating the blood.



Figure 9.7.15: Blood Donation Camp by Rotary Club, Hyderabad Central

3. Report on Free Medical Camp by Vijaya Diagnostics

As a part of Silver Jubilee Celebrations GNITS NSS Unit had organized a free medical camp on 08.03.2023, in association with Vijaya Diagnostics, Hyderabad. For this free medical camp there were 62 faculty and 60 students have taken free medical checkups.

In this regard, Chairman, Sri. P. Subba Reddy, Principal Dr. K. Ramesh Reddy appreciated the faculty and students for their active involvement in camp.



Figure 9.7.16: Free Medical Camp by Vijaya Diagnostics

4.Report on Awareness Programme on Narcotic Drugs with adverse effects

GNITS NSS Unit had attended awareness programme on “Narcotic Drugs and adverse effects” at JNTUH in association with Telangana state counsel of higher education on 3rd June, 2023. The programme were chaired by Hounourable Justice of High Court Sri. B. Vijay Sen Reddy, Chairman, TSCHE Professor R. Limbadri, Vice Chancellor of JNTUH Prof. K. Narasimha Reddy, Registrar, of JNTUH Prof. M. Manjur Hussain and Rector of JNTUH Prof. A. Goverdhan. They have given awareness on Narcotic drugs and its effects in students. This program was grand success with the presence of 1500 students and several staff from different colleges, out of which 25 NSS Volunteers and 10 staff were attended from GNITS.



Figure 9.7.17: Awareness Programme on Narcotic Drugs with adverse effects

NATIONAL SERVICE SCHEME ACTIVITIES (2021-2022)

TOTAL NUMBER OF VOLUNTEERS: II/IV B.TECH-100 VOLUNTEERS

NSS ACTIVITIES

-

Blood Donation Camp by Red Cross

-

Free Medical Camp by Vijaya Diagnostics

-

Haritha Haram at GNITS

-

Free Distribution of Beds and Pillows for Needy people

1. Blood Donation Camp

As a part of Silver Jubilee Year GNITS NSS was conducted Blood Donation Camp on 07th April 2022 at GNITS in collaboration with Red Cross Society, Vidyanagar, Hyderabad. 50 volunteers participated in the camp. The camp was successful with 68 Donors including staff and students. In this regard, college Chairman Shri. P Subba Reddy garu, Principal Dr. K. Ramesh Reddy, appreciated students with their social responsibility.



Figure 9.7.18: Blood Donation Camp by Red Cross

2. Free Medical Camp

As a part of Silver Jubilee Year GNITS NSS was organized at GNITS on 8th April, 2022, in association with Vijaya Diagnostics, Hyderabad. For this free Medical Camp, there were 138 faculty have taken free Medical checkups. In this regard, Principal of the college Dr. K. Ramesh Reddy has appreciated the faculty for their active involvement in camp.



Figure 9.7.19: Free Medical Camp by Vijaya Diagnostics

3. Haritha Haram at GNITS

As a part of Silver Jubilee Year GNITS NSS was organized a Haritha Haram programme on 18th April, 2022 at GNITS. In this programme we have taken initiative to plant 150 saplings at different places of GNITS. For this Haritha Haram programme Chief guest was Dr. S. Shobha Rani, NSS Programme Coordinator, JNTUH. In this regard, around 150 members participated in the event including Chairman Shri P. Subba Reddy and Principal Dr. K. Ramesh Reddy and made it a grand success.



Figure 9.7.20: Haritha Haram at GNITS

4. Distribution of Beds to Needy people

As a part of NSS activities in GNITS, we have distributed 48 beds and 50 pillows to the poor and needy people in good condition to Emmanuel Children home society, Plot No. 81 & 82 Tharamathipet village, Abdullapurmet Mandal, Telangana state. In this regard, Principal Dr. K. Ramesh Reddy, NSS Programme Officer Dr. NVSL Narasimham and Medical Cell Coordinator Mr. Rammohan Reddy were participated and made it success.



Figure 9.7.21: Free Distribution of Beds and Pillows for Needy people

NATIONAL SERVICE SCHEME ACTIVITIES (2020-2021)

TOTAL NUMBER OF VOLUNTEERS: I/IV B.TECH-100 VOLUNTEERS

NSS ACTIVITIES

-

Serving Food for Needy People at ESIC Hospital (Sanath nagar) in Pandemic

-

Haritha Haram (Conducted after Lockdown)

Servicing Food for Needy People at ESIC Hospital (Sanath Nagar) in Pandemic

As a part of NSS activity, G. Narayamma Institute of Technology and Science (For women) has organized 2 Day Program “**Servicing Food for Needy People at ESIC Hospital (Sanath nagar) in Pandemic**” on 18th and 19th of August 2021. In this connection on two days **250** Food packets were distributed for needy people.



Figure 9.7.22: Servicing Food for Needy People at ESIC Hospital (Sanath Nagar) in Pandemic

Haritha Haram (After Lockdown)

As a part of NSS activities in GNITs we have organized a “**Haritha Haram**” program on 16th July, 2021. In this program we have taken the initiative to plant **100 Saplings**, 50 members participated in the event including Chairman Sri. P. Subba Reddy and Principal and Dr. K. Ramesh Reddy and made it a grand success.



Figure 9.7.23: Haritha Haram (After Lockdown)

C. Annual Student Activities

Professional Bodies Chapters IEEE,CSLI,ETE

IEEE

Table 9.7.15: IEEE Activities conducted for Academic Year 2023-2024

S No.	Date	Technical Events	No. of Participants
1	20-12-23	PELS Distinguished Lecture	40
2	02-12-23	ECOSHE Summit	144
3	24-11-23	PES Global Workshop	10
4	19-11-23	Humanitarian Activity	5
5	19-10-23	IEEE Day Celebrations	190

6	25-09-23	IES Industrial Visit	9
7	25-09-23	Latest Trends in Battery Energy Storage Systems	115
8	15-09-23	AI and Human Intelligence	142
9	08-09-23	Guest Lecture	72
10	17-08-23	IEEE Excom Meeting	10
11	10-08-23	IEEE Membership benefits Alumnae talk	42
12	08-08-23	IEEE Excom Meeting	12
13	14-07-23	IEEE Exceom Meeting	9
14	16-06-23	Workshop_Electric Vehicles for E-Mobility	68

Table 9.7.16: IEEE Activities conducted for Academic Year 2022-2023

S No.	Date	Technical Events	No. of Participants
1	16-06-2023	VIDYOUTH '23 1. Poster presentation 2. Olympiad 3. Paper presentation	24 152 24
2	3-12-2022	Opportunities on being IEEE Member & present Industry requirements	480
3	12-11-2022	A'MPHITECH (1. Web Speed, 2. Techdiz, 3. Tech Artistry, 4. Techflyer, 5. Physhhot)	21
4		A Plug and Play Operational Approach for implementation of an Autonomous- Micro-Grid Systems	224

Table 9.7.17: IEEE Activities conducted for Academic Year 2021-2022

S No.	Date	Technical Events	No. of Participants
1	06-04-2022	Web Applications Security Project (OWASP)	109
2	15-03-2022	STAR Program	15 Excom members
3	01-12-2021	United Federal	40Members
4	26-09-2021	Digital Wellness	Collaboration event 67
5	10-07-2021	GATEWAY- An ultimate guideline to crack gate	74
6	03-07-2021	Node MCU Workshop	Collaboration event 126

Table 9.7.18: IEEE Activities conducted for Academic Year 2020-2021

S.No	Date	Technical Events	No. of Participants
1.	6/10/2020	IEEE day celebrations	34
2.	6/10/2020	Coding quiz	60
3.	23/01/2021	5 THINGS I WISH I KNEW WHEN I WAS 21	80
4.	21/03/2021	IEEE SB GNITS Orientation-Membership Drive	50
5.	21/04/2021	WeCode	175

Computer Society of India

About CSI

Computer Society of India formed in 1965, the CSI has been instrumental in guiding the Indian IT industry down the right path since its formative years. Today, the CSI has 73 chapters all over India, over 500 student branches, and more than 100000 members including India's most famous IT industry leaders, brilliant scientists and dedicated academicians.

The mission of the CSI is to facilitate research, knowledge sharing, learning and career enhancement for all categories of IT professionals, while simultaneously inspiring and nurturing new entrants into the industry and helping them to integrate into the IT community. The CSI is also working closely with other industry associations, government bodies and academia to ensure that the benefits of IT advancement ultimately percolate down to every single citizen of India.

Table 9.7.19: CSI Activities conducted for Academic Year 2023-2024

S No	Name of the capability enhancement program	Date of implementation (DD-MM-YYYY)	Number of students enrolled	Name of the agencies/consultants involved with contact details (if any)	Organized at Institute/ State/ National
1	Drone Workshop	08/05/2023 to 10/05/2023	123	EDUQUIS TECHNOLOGY LLP	Institute
2	One day Boot camp on Big data Analytics	28-04-2023	62	Tech Mahindra, Data Scientist, Mr.P.Mohan	Institute
3	Exciting Career Opportunities after Engineering.	13-04-2023	90	EducateNXT, Gopinath Purala, Head-Institutional Alliances, Phone No: 7794931347	Institute
4	Bootcamp on Cyber Security	24/03/2023 to 25/03/2023	86	Indian Servers Pvt.Ltd, Mr. Dhamaraju Sai Satish, CEO, Indian Servers, Phone No: 9618222220	Institute
5	Bootcamp on Augmented Reality	3/01/2023 to 4/01/2023	89	Deep Loops Pvt.Ltd, Mr.Surya Tej, Phone No:8143418505	Institute
6	Session on "Data Science in Organizations- Practical Considerations"	17-09-2022	106	Ms.Amulya Sree, Senior Analyst, HSBC, Phone No:9966689216	Institute
7	Workshop on "Amazon Web Services"	22/08/2022 to 27/08/2022	40	Mr. Ganesh Nag Doddi, CEO, Brain O Vision Solutions Pvt. Ltd, Phone No:9502935039	Institute

Table 9.7.20: CSI Activities conducted for Academic Year 2021-22

S No	Name of the capability enhancement program	Date of implementation (DD-MM-YYYY)	Number of students enrolled	Name of the agencies/consultants involved with contact details (if any)	Organized at Institute/State/National
1	Guest Lecture on Predictive Data Analytics	02-06-2022	24	Dr.S.Ravi Kumar Raju, Indo-French center for Promotion of Advanced Research Phone:996662344	Institute
2	Demo session on Virtual reality	11-04-2022	58	Ms.Anupama, Cymax Infotainment Pvt.Ltd.Phone: 9159421657	Institute
3	A Handson session on AWS Introduction	20-11-2021	47	Mr. Anil Kumar Kasukarhi, AWS Specialist, Leo Force A.I. Inc Phone: 8978833992	Institute
4	Guest Lecture on Introduction to Machine Learning	13-11-2021	296	Mr. Dileep Kumar, Data Science Architect at Intrinsic Science Lab Phone: 8978833992	Institute
5	A Session on Research Innovation and Incubation	16-09-2021	70	Mr. Suresh Kadari, CEO, Cedura Testsol PVT LTD. Phone: 7093600949	Institute
6	Value added course on MERN stack Application Development	23-03-2022 to 06-04-2022	70	Mrs.Sruthi Vaja, Braian O Vision	Institute
7	Coding Contest (Hackathon)	28-10-2021	40	CSE Department GNITS	Institute
8	Online one-week International workshop on Java Programming and Android Applications	20-09-2021 to 25-09-2021	101	Mr. Prashanth and Mr. Madhukumar, Industry Expert,Braian O Vision PVT LTD Phone:9502935039	International

Table 9.7.21: CSI Activities conducted for Academic Year 2020-21

S No	Name of the capability enhancement program	Date of implementation (DD-MM-YYYY)	Number of students enrolled	Name of the agencies/consultants involved with contact details (if any)	Organized at Institute/State/National
------	--	-------------------------------------	-----------------------------	---	---------------------------------------

1	Online workshop on Web Application using FLASK	24-07-2021	66	Mr. Srinivas Battula, Sr Software Engineer, Wipro.Phine: 040-61427999	Institute
2	Online workshop on Web development using Django	17-07-2021	63	Mr. Bala Maheshwar Dundigalla, Brain O Vision Solutions PVT LTD Phone:9502935039	Institute
3	Online one-week National Level Workshop on React JS .	05-07-2021 to 10-07-2021	67	Mr. Ganesh Nag Doddi, CEO, Brain O Vision Solutions PVT LTD Phone:9502935039	National
4	Online webinar on Information Security Awareness Training	06-04-2021	103	Mr. Velichiti Krishna Chaithanya, Sr Information Security Consultant.Phone: 9000810043	Institute
5	Workshop on Docker-Empowering Development (Hackathon)	09-01-2021	110	Mr. Dr Dileep Ramesh Kumar, CEO, Intrinsic Science Lab, Mr. Srinivas Swaroop.Phone: 8978833992	Institute

ISTE Student Chapter

ISTE Student Chapter of G. Narayanamma Institute of Technology & Science, Shaikpet, is re-established in the academic year 2002 to make the student community to actively participate in ISTE activities to provide a common platform for students to exhibit their talent which helps their career development.

On behalf of GNITS Dr. K. Ramesh Reddy, Principal and Chindam Hari Prasad, ISTE Students Chapter Secretary collected Best *ISTE Students Chapter* for the academic year 2018-19 at 49th ISTE National Annual Faculty Convention in 29th -30th November 2019 venue Siksha O Anusandhan Campus Bhubaneswar, Orissa.

Every academic year under ISTE Students Chapter *Engineer's Day* is celebrated every year on 15th September by giving away *Young Promising Engineer Award* to one student from each department who have excelled in Academics, Extracurricular & Cocurricular activities with their all-round performances.

ISTE Activities conducted for three Academic Years

Table 9.7.22: ISTE Activities conducted for three Academic Years

S.No	Academic Year	Technical Events	Awards
1	2022-23	Paper Presentation	Young Promising Engineer (Cash Prize of Rs 2500/-)
		Poster Presentation	
		Project Expo	
		Coding Hackathon	
		Tecathon	
		Techvistra	
TECH-WHIZ			

2	2021-22	Paper Presentation	Young Promising Engineer (Cash Prize of Rs 2500/-)
		Poster Presentation	
		Project Expo	
		Coding Hackathon	
		Tecathon	
		Techvistra	
		TECH-WHIZ	
		Escape Rooms	
		Criss Cross Words	
		Quizzie Buzzi	
		Hackathon	
		Jest terrain	
3	2019-20	Paper Presentation	Young Promising Engineer (Cash Prize of Rs 2500/-)
		Poster Presentation	
		Project Expo	
		Hackathon	
		Robotron (Battle Bots & Line Follower)	
		Technobuzz	
		Escape Rooms	
		Manetronics	
		Voltrix	
		Techtoast	

IETE ISF student's committee-GNITS

-

The Institution of Electronics and Telecommunication Engineers (IETE) is India's leading recognized professional society devoted to the advancement of Science and Technology of Electronics, Telecommunication & IT. Founded in 1953.

-

The IETE Student Chapter of G. Narayanamma Institute of Technology & Science, Shaikpet, was established in the academic year 2003 with the aim of encouraging active participation in IETE activities and enhancing students' technical and communication skills to facilitate their career development.

-

It organizes different technical events every year through our IETE student chapter. These include things like quizzes, coding puzzles, presentations, guest talks, workshops, contests, project expos, treasure hunts, industrial visits, and mock interviews.

-

Bagged consecutively 3 times IETE ISF Awards given by IETE Hyderabad centre (over all Telangana and AP) –

2021 year- 2nd Best ISF Faculty Coordinator Award

2022 year- Best IETE –ISF college Award

2023 year- 2nd Best IETE –ISF college Award.



Figure 9.7.24: Receiving Best IETE ISF college Award 2022 at IETE Hyderabad centre



Figure 9.7.25: Receiving Best IETE ISF college Award 2023 at IETE Hyderabad centre



Figure 9.7.26: 2nd Best IETE-ISF coordinator Award 2021

Table 9.7.23: IETE-ISF Events summary of the academic year 2022-23

S.No	Date	Name of the Event	Total participants no.
1	18/10/2022	Technical Quiz	168
2	9/12/2022	Tech Codopuzz	50
3	09/02/2023	Seminar on Engineering applications with Embedded systems	208

4	18/03/2023 & 27/03/2023	Industrial visit to ATC AAI SHAMSHABAD	43 53
5	29/03/2023	Industrial visit to NRSC	106
6	20/04/2023	Industrial visit to Kwality Photonics Pvt.Ltd	51
7	21/4/2023	Technical Treasure Hunt	22

Table 9.7.24: IETE-ISF Events summary of the academic year 2021-22

S.No	Date	Name of the Event	Total no. participants
1	25/09/2021	Technical Quiz	30
2	30/10/2021	Code Debugging challenge	24
3	04/12/2021	Hardware Design Test	100
4	23/10/2021	Mock Interview	40
5	18/12/2021	Paper Presentation	61
6	05/01/2022, 06/01/2022	Industrial visit to Kwality Photonics	100 105
7	08/04/2022	Poster Presentation	22
8	21/03/2022	Seminar on IoT and Robotics	173

Table 9.7.25: IETE-ISF Events summary of the academic year 2020-21

S.No	Date	Name of the Event	Total no. participants
1	09/01/2021	Virtual Ideathon	22

10 GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES (120)

Total Marks 120.00

10.1 Organization, Governance and Transparency (55)

Total Marks 55.00

10.1.1 State the Vision and Mission of the Institute (5)

Institute Marks : 5.00

A. Availability of the Vision and Mission of the Institute (2)

Vision:

To become a center of quality education in Engineering and Technology for women empowerment.

Mission:

To fulfill the academic aspirations of women engineers for enhancing their intellectual capabilities and technical competency.

To Leverage Leading – Edge Technologies and cultivate exemplary work culture.

To facilitate success in their desired career in the field of engineering to build a progressive nation.

The Vision, Mission of the Institute have been adequately disseminated and published

at:

1. Website link : <https://www.gnits.ac.in/vision-mission/> (<https://www.gnits.ac.in/vision-mission/>)
2. Principal Chamber
3. Library
4. All the department
5. Laboratory
6. Student Attendance Registers
7. Syllabus

The Vision, Mission of the Institute have been adequately disseminated and published

at:

1. Website link : <https://www.gnits.ac.in/vision-mission/> (<https://www.gnits.ac.in/vision-mission/>)



Fig: 10.1.1.1 : Availability of Institute Vision Mission in the college website

2. Principal Chamber



Fig: 10.1.1.2 : Availability of Institute Vision Mission in the Principal Chamber

3. Library



Fig: 10.1.1.3 : Availability of Institute Vision Mission in the Library

4. All the department



Fig: 10.1.1.4 : Availability of Institute Vision Mission in the Departments

5. Laboratory



Fig: 10.1.1.5 : Availability of Institute Vision Mission in the Laboratory

6. Student Attendance Registers

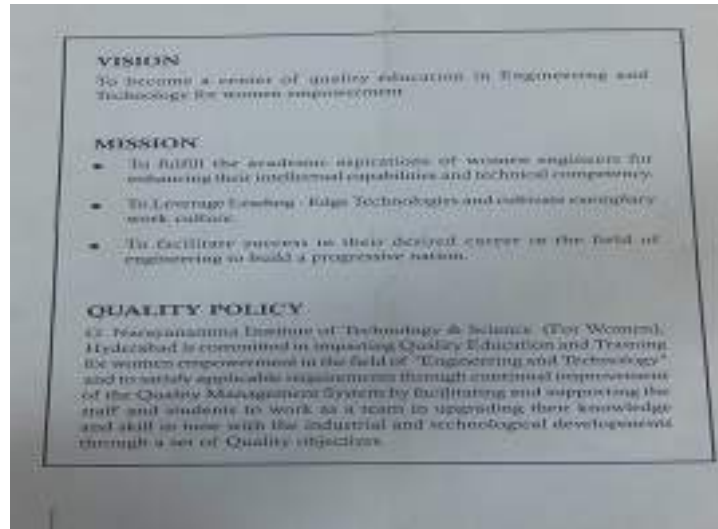


Fig: 10.1.1.6 : Availability of Institute Vision Mission in the Student attendance registers

7. Syllabus Books

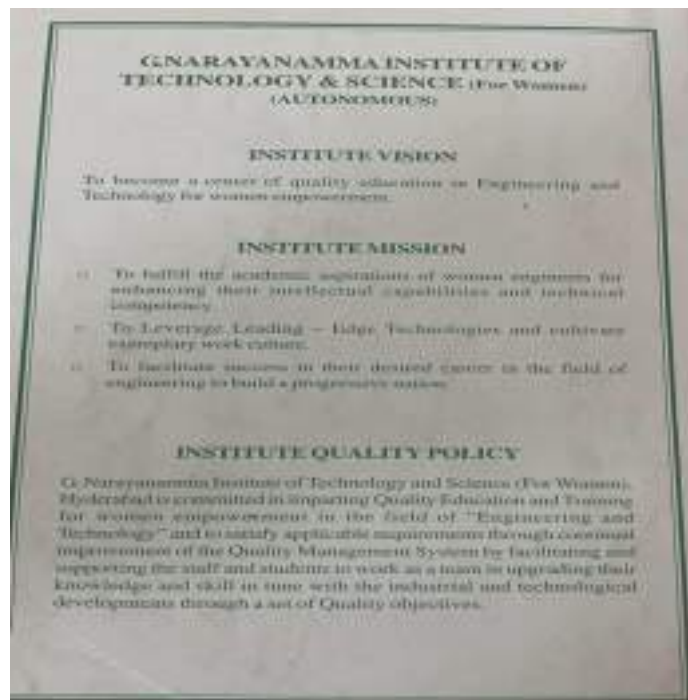


Fig: 10.1.1.7 : Availability of Institute Vision Mission in the Syllabus books

B. Appropriateness/Relevance of the Statements (3)

VISION	M1	M2	M3
	To fulfill the academic aspirations of women engineers for enhancing their intellectual capabilities and technical competency	To Leverage Leading – Edge Technologies and cultivate exemplary work culture.	To facilitate success in their desired career in the field of engineering to build a progressive nation
Center of Quality Education	<ul style="list-style-type: none"> • Academic Aspirations • Intellectual Capabilities 	<ul style="list-style-type: none"> • Leading – Edge Technologies • Exemplary Work Culture 	<ul style="list-style-type: none"> • Field of Engineering • Progressive Nation
Engineering and Technology	<ul style="list-style-type: none"> • Academic Aspirations • Intellectual Capabilities • Technical Competency 	<ul style="list-style-type: none"> • Leading – Edge Technologies 	<ul style="list-style-type: none"> • Field of Engineering • Success in Desired Career
Women Empowerment	<ul style="list-style-type: none"> • Academic Aspirations • Intellectual Capabilities • Technical Competency 	<ul style="list-style-type: none"> • Leading – Edge Technologies • Exemplary Work Culture 	<ul style="list-style-type: none"> • Success in Desired Career • Progressive Nation

Correlation	$\frac{2}{3} + \frac{3}{3} + \frac{3}{3}$ = 2.67	$\frac{2}{2} + \frac{1}{2} + \frac{2}{2}$ = 2.52	$\frac{2}{2} + \frac{2}{2} + \frac{2}{2}$ = 3
-------------	---	---	--

10.1.2 Availability of the Institutional Strategic Plan and its Effective Implementation and Monitoring (25)

Institute Marks : 25.00

Availability of a 5 year Strategic Plan:

G.Narayanamma Institute of Technology & Science, “a leading Engineering college in Hyderabad for women,” was founded by late Sri G.Pulla Reddy garu in 1997, with an objective of providing excellent learning facilities for women to pursue education in Engineering since two decades. The aim is to promote Technical Education among women to enhance and build-up a new generation of thinkers, innovators and planners in the realms of Science and Technology. GNITS, a **Top Women’s Engineering College in Hyderabad** received UGC autonomous status for 10 years from 2018 and is affiliated to Jawaharlal Nehru Technological University (JNTU-H), Hyderabad. It is approved by All India Council for Technical Education (AICTE), accredited by NAAC & NBA (AICTE) and ISO 9001:2015 Certified Institution.

Availability of Strategic Plan in Institutional website: <https://www.gnits.ac.in/strategic-plan/> (<https://www.gnits.ac.in/strategic-plan/>)**Objective 1: Governance and Decentralisation****Strategies:**

- Faculty retention with Career Advancement Schemes.
- Enhancing educational opportunities and outcomes through comprehensive support and resources for student success.
- Promote sustainability through the adoption of renewable energy, energy efficiency measures and eco-friendly practices.
- Financial support to the faculty for attending workshops ,International Conferences, Professional Memberships ,Patent Filing etc.

Metrics/KPIs:

- No. of faculty promoted under CAS.
- School adoption and activities conducted.
- No. of faculty receiving financial support.
- Energy generated by use of solar panels.

Objective 2: Provide an excellent environment for enabling education, research, and innovation with improved space utilization.**Strategies**

- To build new buildings for the academic purpose.
- Construct an Auditorium/Seminar Halls/Conference Halls with different capacities.
- Establish an Audio Visual Centre /Recording Centre with latest tools.
- Equip more than 50 % of classrooms and laboratories with Smart Boards.
- Upgrade the Internet speed from 500 Mbps to 1000 Mbps.
- Increase the subscription for online journals and databases.

Metrics/KPIs

- No. of new buildings constructed.
- Auditorium/Seminar Halls and its capacity
- No. of classrooms and Labs equipped with smart boards and Lecture Capturing System.
- Speed of Internet.
- No. of subscriptions for online journals and books.

Objective 3: To innovate and adopt technology enabled pedagogy.**Strategies:**

- Use of blended teaching methodology involving traditional, interactive, and ICT enabled pedagogical techniques.
- Enhance the number of Courses focusing on Skill development and Employability.
- Introduce Interdisciplinary courses as Open electives.
- Introduce Courses focusing on Cross Cutting Issues.
- Encourage the students to complete Value Added/Certification Courses.

Metrics/KPIs :

- .Percentage of faculty using ICT enabled pedagogical techniques.
- Percentage of Courses focusing on Skill development.
- Percentage of Courses focusing on Employability.
- Percentage of Courses focusing on Cross Cutting Issues.
- No. of students completed Value added Courses/Certification Courses.

Objective 4: To create awareness and opportunities in Research, Innovation and Development among the faculty and students and generate innovative ideas and solutions to the academic, research and societal problems.

Strategies:

- Increase the number of Doctorates.
- Increase the number of research publications in reputed journals, conferences, books, and book chapters.
- Increase the funding of research projects from government agencies such as DST, SERB, DSIR etc.,
- Establish a minimum of two Memorandum of Understanding (MOUs) with reputed Institutions and expand the range of activities under each MOU annually.
- Provide seed money grants worth five lakhs for each department to support faculty research.
- Provide support for patent writing and publication.
- Organize an international conference at least once every year

Metrics/KPIs

- Number of Doctorates.
- Number of research publications in reputed journals
- Number of conferences, books, and book chapters.
- No. of Funding research projects from government agencies such as DST, SERB, DSIR etc.,
- Number of Memorandum of Understanding (MOUs) with reputed Institutions and expand the range of activities under each MOU annually.
- Seed money grants to support faculty research.
- No. of patents published/granted
- National/ International conference at least once every year

Objective 5: Enhancing Quality of student placements in terms of both numbers and companies and median salary.

Strategies:

- Organize department-specific value-added programs at least twice a year.
- Increase the number of companies participating in placement drives by at least 5% and raise the median salary by 5% compared to the previous year.
- Increase the student enrollment for in campus training provided for students in GRE, Civil Services and GATE.
- Increase the number of recruiters for hiring.

Metrics/KPIs

- No of training programs for placements and CGC.
- No. of Students placed
- No. of companies Visited
- Highest Salary
- Average Salary.

Objective 6: To implement targeted outreach campaigns to engage alumni, highlighting the impact of their contributions on the institutes growth and student success

Strategies:

- To maintain the Alumnae Database.
- Conduction of Alumnae Meet/Chapters at different locations based on Alumnae strength.
- Increase the Alumnae financial contributions every year by 5%.
- Identifying distinguished Alumnae branch wise and facilitating them as mentors to guide the Students for Internships, Project Work and Career Guidance.
- Impart industry ready skills to students through alumnae interactions.

Metrics/KPIs

- Number of courses/workshops/networking events conducted by alumnae per year.
- Number of Alumnae Chapters.
- Alumnae financial Contributions.

CASE STUDY ON PLACEMENTS

GNITS provides excellent training and placement facilities, leading to improvements in placement statistics such as the highest package, average salary, and median salary. Recruiters such as Microsoft, PayPal, Service Now, Twilo, Salesforce, Adobe, Micron, Visa, JP Morgan Chase, and Amazon are actively involved in the placement process.

For the academic year 2023-2024, there have been significant improvements in placement statistics compared to the academic year 2022-2023:

- The highest pay package has increased by 10%.
- The average salary has improved by 12%.
- The median salary is being maintained with a possibility of improvement as the current academic year progresses.



Fig: 10.1.2.1 Highest Package in Placements



Fig: 10.1.2.2 Average Salary in Placements

10.1.3 Governing body, administrative setup, functions of various bodies, service rules, procedures, recruitment and promotional policies (10)

Institute Marks : 10.00

A. List the Governing Body Composition and its Sub Committees, senate, and all other academic and administrative bodies; their memberships, functions, and responsibilities; frequency of the meetings; participation details of external members and attendance therein (4)

The published rules including service rules, policies and procedures; year of publication shall be listed. Also state the extent of awareness among the employees/students.

The institute has 4 Academic and Administrative Bodies and 35 committees/cells to ensure proper management of academic, financial and general administrative affairs as per the norms prescribed by AICTE and UGC. The roles and responsibilities of each committee are described in Table 10.1.3. The list of committees and its constitution is given from Tables 10.1.3.1 to 10.1.3.39

Table 10.1.3 Description of Committees

S. No.	Names of academic and administrative bodies	Functions and responsibilities	Frequency of meetings
1	Governing Council	<p>Uphold college vision and mission, ensuring both academic and administrative autonomy. Governing Council decides on all policies, overseeing academics, HR, finance, and more. Approve curricula and new study programs. Award scholarships and ensure financial management. Thoroughly discuss matters of Academic and Finance Committees. Manage physical resources for academic excellence. Ensure regulatory compliance in all decisions. Ratify minutes of key meetings. Pursue accreditations from regulatory bodies. Oversee non-statutory committees and funding applications.</p>	Yearly Once
2	Academic Council	<ul style="list-style-type: none"> • Enhance academic affairs. • Guide instructional methods and assessment. • Address academic concerns effectively. • Approve proposals from the Board of Studies. • Introduce industry-aligned courses. • Prescribe study programs. • Develop admission regulations. • Formulate examination guidelines. • Maintain examination standards. • Establish sports and extracurricular guidelines. • Foster research activities. • Coordinate inter-departmental collaboration. • Ratify Board of Studies meeting minutes. 	Yearly once
3	Finance Committee	<ul style="list-style-type: none"> • Act as an advisory body to the Governing Body • Budget estimates relating to the grant received/receivable from UGC, and income from fees, etc. collected for the activities to undertake the scheme of autonomy • Audited accounts for the above 	Thrice in a year
4	Boards of Studies	<ul style="list-style-type: none"> • Approve COs, POs, PSOs, and PEOs for department programs. • Design syllabi aligned with departmental objectives. • Prepare contemporary syllabi based on industry needs. • Approve curriculum and structure for department programs. • Advise innovative teaching and evaluation methods. • Recommend examiners to the Academic Council. • Coordinate research, teaching, and consultancy. • Recommend new courses and improvements in teaching, training, and research standards. 	Whenever required
5	College Academic Committee	<ul style="list-style-type: none"> • Formulate academic rules and regulations. • Approve the curriculum. • To review and evolve suitable academic procedures and upgrade the existing procedures for consistent and smooth academic functioning of the institute. 	As and when required

S. No.	Names of academic and administrative bodies	Functions and responsibilities	Frequency of meetings
6	Library Committee	<p>Functions</p> <ul style="list-style-type: none"> • The Library committee monitors the procurement of books, Journals and the allocation of the budget according to the recommendation of the heads of the departments. • To supervise the allocation and utilization of funds for different departments for the purchase of books and journals for the Central and Departmental libraries. • Advises and reviews library policies for instruction, resources, services, and the facility. • Advises regarding library services, especially innovation, for the campus community. • Discusses budgetary issues for books, journals, databases, media, etc. • To maintain liaison between Central Library and various Academic Departments for the purchase of networking of Departmental libraries with the Central Library. 	Twice A Year
7	Anti-Ragging Committee	<p>Function I: Basic measures</p> <ul style="list-style-type: none"> • Constitution of AR committee • AR warning brochure and e booklet • Display banners: • Update website-contact details of nodal officer • Student affidavits. • Installation of CCTV cameras <p>Function II: Counselling and monitoring</p> <ul style="list-style-type: none"> • Regular interaction and counselling • Surprise inspection at hostels, canteens, toilets, bus stands etc. <p>Function III: Creating Dissemination of the idea of ragging free campus</p> <ul style="list-style-type: none"> • Anti ragging workshops: One awareness program conducted during AY 2122 • Safety and security apps. <p>Function IV: UGC initiated measures.</p> <ul style="list-style-type: none"> • Help line 1800-180-5522 • AR website : www.antiragging .in • AR competitions for students/staff/general public for the wider awareness of the menace of ragging. • TVCs: 	2 to 3 meetings per year
8	Grievance Redressal Committee (Students)	<p>Roles and Responsibilities:</p> <ul style="list-style-type: none"> • Processing all individual complaints and taking suitable action as per college norms. • Forming/reviewing guidelines/policies for grievance redressal as required, in accordance with AICTE regulations. • Conducting meetings as necessary to discuss relevant issues, in consultation with the Principal. • Creating organization-wide awareness among stakeholders through awareness programs and displaying grievance registration mechanisms on the website and posters in prominent campus locations. 	As and when required
9	Grievance Redressal Committee (Students)	<ul style="list-style-type: none"> • To formulate the policy to investigate and review grievances of staff • To investigate the causes of the grievances. • To ensure effectual solution depending upon the gravity of the grievance. • To take necessary action and implement them by the committee 	As and when required

S. No.	Names of academic and administrative bodies	Functions and responsibilities	Frequency of meetings
10	Examination/ Results Review Committee	<p>Functions:</p> <ul style="list-style-type: none"> • Conduct Internal and External Semester End Examinations of both B.Tech and M.Tech. • Conduct Central and State Government Service Exams such as UPSC, RRB, TS GENCO, TS TRANSCO, TSPSC, Police Recruitment etc. • Any Circular, Guidelines, Office Order, Notification received from the Chief Controller of Examinations (Principal) / Controller of Examinations are processed in the cell. • To work according to the guidelines of Controller of Examinations regarding distribution of Examination Forms, Fee Collections, issue of Hall Tickets, Transcripts etc. • Release of Academic Calendars, Preparation of Mid Examination and Semester End Examination Time Tables and send it to all the departments for smooth conduction of class work and examinations. • The Examination Cell shall prepare seating plan, arrangement of halls and requirement of Invigilators for the Semester End Examinations (SEE) and display them on the respective Notice Board/Website and Blocks. • Stationary pertaining to the Examinations such as answer sheets, drawing sheets, graph paper, trays, threads, water jugs etc. are made available. • The Exam Cell shall ensure that if any student caught during the exam by copying or chit or minor Xerox copies, then that case will be booked under malpractice, the same will be communicated to Principal through Controller of Examinations along with proofs. • The Examination Cell has procured sophisticated infrastructure to evaluate the student answer scripts. • All the results of both B.Tech and M.Tech (First Year to Final Year) shall be displayed on the respective student Notice Boards/College Website. A copy of the same shall be sent to the respective HODs. • Under the guidance of the Controller of Examinations, the Exam Cell shall analyze the exam results and the same shall be verified by the respective HODs. After due verification, copies of the result analysis shall be sent to HODs and the Principal. 	Twice in a Year
11.	Research Advisory Committee	<p>Functions:</p> <ul style="list-style-type: none"> • To create advanced laboratory facilities and inculcate research interest among the students and faculty, together help the advanced technological development to meet the societal needs • To enhance the industry – institute relationship and aid the better product development in quality at reduced cost. • To pave the way for the utilisation of new corners of science to invent new or alternate technology and healthy solutions to the society at large, particularly to protect the public health and environment. • To facilitate and encourage the quality publications of the research work and share the results to the entire research community. • To build relationships through of MOUs for long term relationships with national and international research organisations and industries for widening the scope of research options and funding opportunities for faculty and students. • To develop, prescribe and administer rules and regulations to ensure the compliance of all researchers to the research quality assurance framework and the research code. 	Twice in a Year
12.	NSS Committee	<p>Functions:</p> <ul style="list-style-type: none"> • The main objective of National Service Scheme is personality development through social service or community service. • The students have to understand themselves their relation to the community • Identify the needs and problems of the community and involve them • Developing social and civic responsibility • Improving leadership quality • Practice National integration • Developing the social harmony skills • This program aims at inculcating social welfare thoughts among the students by providing service to the society without any prejudice. 	Twice in a Year

S. No.	Names of academic and administrative bodies	Functions and responsibilities	Frequency of meetings
13.	Industry Institute Interaction / Partnership / Placement Committee	Functions: <ul style="list-style-type: none"> • Design & organize training programs to the students on strategically relevant competencies along with academics to make them industry ready. • Provide necessary behavioural inputs through structured programs that our students can take-up & overcome any challenges at work & personal front. • Organize periodical review on effectiveness on the training programs and establish a process for continuous learning. • Organize industry visits , expert sessions to update the knowledge on industrial recent trends. • Provide expertise counselling to every aspirant student to define their career interests. • Organize & Coordinate campus placement program to fulfil the commitment of every aspirant. 	Two times for semester
14.	I & I Dept.	<ul style="list-style-type: none"> • Chairman - The person holds the responsibility of overall monitoring the day to day activity under IIC and AIC GNITS. • Dean- The person holds the responsibility of scheduling the year plan and monitoring the day to day activity under IIC and AIC GNITS. • Convenor - The person holds the responsibility of carrying out the day to day activity under IIC. • YUKTI coordinator(s) (I Cell) - Collection of ideas/ prototype/ startup information from students/ alumni/ faculty/ incubates of all departments within the institute and to verify the submission in Yukti NIR portal and also nominate ideas for national challenges. • Social Media coordinator(s) (EDC) - Publishing/ handling of all the social media related activities and tag the government entities like IIC, MHRD NITI Ayog etc from time to time. • Innovation Activity coordinator(s) - Innovation related activities like organizing ideathons and mentoring students to participate in intercollege ideation competitions. • IPR activity coordinator(s) (IPR Cell) - IPR related activities like mentoring in drafting, publishing and following up till granting of the patents. • Startup activity coordinator(s) (EDC) - identifying potential startup ideas and curating it towards registration and participation in startup hackathons at incubators. • Design Thinking Coordinators (I Cell) -To immerse students into the world of innovation as a systematic process of tackling relevant business and/or social problems. To support students towards sketching, conceptualizing and developing an innovation in problem solving. • ARIIA coordinator(s) (I Cell) - ARIIA/IIC related activities follow up and updating the information in official websites from time to time. • NISP coordinator(s) (I Cell) - Execution of NISP related activities follow-up and uploading the information in the official website from time to time. • Member (I Cell, EDC & IPR) -The members are equally responsible and need to support the other coordinators in organizing the events, preparing the reports/minutes of the activities and updating the website and official portals from time to time. 	Meet at monthly once
15.	Internal Quality Assurance Cell	Functions: <ul style="list-style-type: none"> • Development and application of quality benchmarks/parameters for the various academic and administrative activities of the institution. • Dissemination of information on the various quality parameters of higher education. • Organization of workshops, seminars on quality-related themes and promotion of quality circles. • Documentation of the various programs/activities leading to quality improvement. • Acting as a nodal agency of the institution for quality-related activities. • Preparation of the Annual Quality Assurance Report (AQAR) to be submitted to NAAC based on the quality parameters. 	Once in a Semester with External Members.

S. No.	Names of academic and administrative bodies	Functions and responsibilities	Frequency of meetings
16.	Timetable committee	<p>Functions:</p> <p>The Timetable Committee plays a crucial role in designing, implementing, and managing the academic schedule for students and faculty. The primary functions of the timetable committee include:</p> <ul style="list-style-type: none"> • Design the academic schedule for each semester by considering the requirements of various departments and programs. • Allocating time slots for lectures, laboratory sessions, tutorials, and other academic activities • Ensuring efficient utilization of available resources such as classrooms, laboratories and faculty members and balancing the workload among faculty members and departments to avoid conflicts and overburdening • Coordinating the scheduling of the elective courses and specialized tracks within the curriculum. • Collaborating with various academic departments to understand their specific needs and constraints. Ensuring that departmental preferences and constraints are taken into account when creating timetables. • Ensure that the academic schedule adhere to college regulations and policies. • Communicate the finalized schedule to all stake holders including staff, students and administrative staff and also providing timely updates and information about change adjustment in the schedule 	Thrice in a Year
17.	Alumnae Coordination Committee	<p>Functions:</p> <ul style="list-style-type: none"> • Provide a platform for the alumnae to share their experiences about internships, projects and placements to the present students. • Involve in curriculum development and taking feedback on institutional facilities for the betterment of students. • Take the valuable advices from the Alumnae for enlightening the present student's career. • Conduction of alumnae meets. • Extend opportunities to the college in the internships and placements in reputed organizations. • Invite the Alumnae in good professional position for guest lecturers, seminars, workshops. • Institute awards for the Alumnae for their contribution to the College and the Society. • Acquire the information of the distinguished alumnae, to enrich alumnae-student relations that help present students to become more aware and get inspired by their achievements. <p>Roles and Responsibilities of the committee members</p> <p>Coordinator:</p> <ul style="list-style-type: none"> • To maintain the Alumnae Database. • To organize the alumnae meet every year in our college premises. • To suggest the committee members in designing the web page for Alumnae Committee. • To establish the network every year with alumnae. • To form student coordinators from each department. • To collect the feedback forms, survey forms and valuable suggestions from the alumnae. 	Once in every 4 months
18.	Website committee	<p>Functions:</p> <ul style="list-style-type: none"> • To update information in all its forms in GNITS. • To display banners and posters about various events at department level as well as college level. • To provide required guidance for the needy students. • To provide latest news and updates. 	Yearly once

S. No.	Names of academic and administrative bodies	Functions and responsibilities	Frequency of meetings
19.	Games and Sports Committee	<ul style="list-style-type: none"> • To develop and maintain the sports infrastructure/ facilities. • To procure required sports and fitness equipment. • To prepare and monitor the sports teams for different inter college/ inter university/ state/ national level tournaments. • To create awareness about the importance of physical activity/ sports and motivating students towards the physical activity/ sports. • To organize intra-college and intra college competitions at the college and encourage the students to participate actively in organizing and conducting various indoor and outdoor sports and games in the college. • To maintain records of sports and games events attended by students within the college, within the university and outside at the region/state /national level and their achievements/ awards. • To submit annual report on the sports/ events and budget allocations & spent during the year. 	Yearly Twice/Thrice as per the requirement
20.	Arts and Cultural Committee	<p>Function: Providing the right platform to students to showcase and hone their talents in various fields like dancing, acting, singing, mime, mimicry etc.</p> <p>Roles and responsibilities of the convener:</p> <ul style="list-style-type: none"> • To identify the students both trained and interested in arts and cultural activities from among the students. • To create a student body with the student representatives. • To create a calendar of events focusing on different arts and cultural events. <p>Roles and responsibilities of Faculty members:</p> <ul style="list-style-type: none"> • To help in identifying the student representatives. • And in organizing events and competitions. <p>Roles and responsibilities of the students:</p> <ul style="list-style-type: none"> • To help the convener in identifying the talent. • Helping in identifying the events. • Helping in organizing and coordinating the events. 	Twice in a year
21.	Career Guidance Cell	<ul style="list-style-type: none"> • Event Organization: Plan and execute seminars, workshops, and guest lectures to expose students to diverse career opportunities. • Information Dissemination: Keep students informed about competitive examinations, eligibility criteria, and application procedures. • Promoting Career Fair Attendance: Encourage and guide students to participate in career fairs to explore industry opportunities. 	Once for every semester
22	Indian Society for Technical Education (ISTE)	<ul style="list-style-type: none"> • Professional Development: Offering workshops, seminars, and certifications to enhance technical skills. • Networking Opportunities: Connecting students with professionals and industry experts through conferences. • Exposure to Industry Trends: Providing insights into current industry practices through guest lectures and industrial visits. • Competitions and Events: Encouraging innovation and excellence through technical competitions. • Leadership and Soft Skills: Offering leadership opportunities and promoting teamwork. • Continuous Learning: Keeping students updated on the latest developments in their field through publications. 	4 to 5 per year

S. No.	Names of academic and administrative bodies	Functions and responsibilities	Frequency of meetings
23	IEEE Student Branch	<ul style="list-style-type: none"> • IEEE SB Mentor will plan regarding future events and also take financial decisions. • IEEE SB Coordinator, IEEE SB Counsellor, Student Chair, Secretary will plan and decide on the events for the academic year and also contact for the right resource persons. • IEEE SB Coordinator, IEEE SB Counsellor, Student Chair, Secretary will plan for events related to IEEE membership. • IEEE Coordinator, IEEE SB Counsellor will call for the IEEE SB GNITS Administrative meeting, and do website updation. • IEEE Coordinator & IEEE SB Counsellor, will send the circular of the events to all the departments, intended to reach students. • IEEE SB Counsellor with plan to execute the events with the help of department faculty coordinators. • Chair/Vice chair/Secretary will draft the meetings of the meeting. Also the tools notice and reporting will be done. • Each of the department faculty coordinators will be incharge to executive the event and do the documentation of the event. 	2 meetings per semester
24	CSI	<ul style="list-style-type: none"> • To provide a platform for networking, skill development, and ethical practices, while promoting continuous learning and contributing to the societal impact of information technology. • To organize workshops and guest lectures 	1 meeting per semester
25.	IETE Student Forum	<p>Responsibilities:</p> <ul style="list-style-type: none"> • Promoting Technical Awareness: Raise awareness and interest among students in the field of electronics and telecommunication through technical sessions, workshops, and seminars. • Enhancing Skills: Provide a platform for students to enhance their technical skills, including hands-on experience with the latest technologies and tools. • Encouraging project development: students are encouraging to participate in project Expos, hackathons, and competitions to explore new ideas. • Facilitating Networking: Create opportunities for students to connect with professionals, experts, and peers in the industry, promoting networking and collaboration. • Career Development: Offer resources and guidance to help students with career planning through mock interviews and skill development programs. • Soft Skills Development: Coding challenge, workshops and activities to improve communication skill, teamwork, leadership, and other soft skills essential for professional success. 	Yearly once
26.	Canteen Committee	<p>Functions</p> <ul style="list-style-type: none"> • To supervise, take steps for the maintenance of canteen facilities with hygiene. • To maintain and control the quality of the food supplied in the canteen. • To modernize the canteen equipment and cooking procedures. 	2 per year
27.	College Magazine Committee	<ul style="list-style-type: none"> • Convener sends circulars, conducts meetings, collects the information for the newsletter from the various departments of the college and sends to the printing press after editing & proof-reading the information. Convener also visits the press to attend to the work such as style, indentation, grammar check and final look of the newsletter. • The Chief Editor too assists in giving the supplementary and necessary information, photographs etc. for the newsletter. • The faculty committee members of the various departments collect the information of the respective departments in the prescribed format/template and hand it over to the convener. • The student committee members collect the student information of the respective branches and hand it over to the concerned faculty committee member. 	Twice a year

S. No.	Names of academic and administrative bodies	Functions and responsibilities	Frequency of meetings
28.	NPTEL & FDP	<p>NPTEL Roles and Responsibilities</p> <ul style="list-style-type: none"> • The Role of NPTEL Local Chapter is to act as a local link between students/faculty in the institution and SWAYAM-NPTEL. • Inculcate mode of self-learning and get access to lectures of IIT/IISc. • Promote NPTEL certification courses in the college • Help students/faculty enrol to courses • Identify Mentors amongst the faculty and adding Mentor. • Request for Exam City, Fee, waiver. • Accessing the Exam Results and Distributing e-certificates for Faculty and Students. • Arranging Orientation classes for students to create Awareness on NPTEL online courses <p>FDP Roles and Responsibilities</p> <p>The main responsibility of this cell is</p> <ul style="list-style-type: none"> • To organize various faculty development programmes and training programmes in different fields. • To identify the resource persons based on the relevance of area of training. • To arrange training courses based on the interest of the faculty to update their knowledge with the current scenario in any particular stream. The knowledge gained by the faculty will be implemented in their future endeavours. • To help the faculty to adapt with present outcome based education and improve their teaching strategies to accomplish their duties with effective time management skills. • To train the faculty members in different verticals like life skills, time management, stress management, professional development, latest technologies, knowledge enhancement, industrial requirement and societal needs. • To meet the present curriculum which is student's centric, more preference is focused on outcome based pedagogic trainings. This will help to achieve self-development of faculty, department, enhance placement opportunities to students and contribute to institutional growth to meet present industrial requirement 	Twice in a month
29.	Purchase Committee	<p>Functions:</p> <ul style="list-style-type: none"> • Identifying The Procurement Needs Of The College, Including Equipment, Supplies, And Services Required For Various Departments Or Projects. • Collaborates With Relevant Stakeholders To Determine The Budget Allocated For Procurement Activities And Ensures That Purchases Are Within The Approved Financial Limits. • Researches And Evaluate Potential Vendors, Considering Factors Such As Quality, Reliability, Pricing, And Delivery Capabilities. They May Also Maintain A List Of Approved Vendors. • Prepares And Issue Request For Quotations To Vendors, Clearly Specifying The Required Products Or Services, Quantities, Delivery Timelines, And Any Other Relevant Terms. • Reviews And Compare The Received Bids Or Quotations From Vendors, Assessing Factors Like Compliance With Specifications, Pricing, Warranty, And After-Sales Support. • Reviews And Approves Purchase Requests, Ensuring That They Align With The Institute's Procurement Policies And Budgetary Constraints. • Generates And Processes Orders, Documenting The Details Of The Approved Purchases And Communicating Them To The Selected Vendors. • Monitors And Manages The Inventory Of Procured Goods, Ensuring Proper Storage, Distribution, And Tracking To Avoid Excess Stock In The Store. • Ensures That All Procurement Activities Adhere To Legal And Ethical Guidelines, Promoting Transparency, Fairness, And Accountability In The Purchasing Process. • Maintains Relationships With Vendors, Addressing Any Concerns, Resolving Disputes, And Fostering Long-Term Partnerships Based On Mutual Trust And Collaboration Keeping Intrust Of Institute. 	Whenever required

S. No.	Names of academic and administrative bodies	Functions and responsibilities	Frequency of meetings
30.	Press and Social Media Committee	Objectives: <ul style="list-style-type: none"> • Enhance GNITS visibility by spotlighting diverse activities and achievements across social media platforms. • Drive student engagement through compelling content that encourages active participation in college events. • Bridge the GNITS community with the external community by sharing interactive and informative content. • Ensure seamless communication of important updates to both internal and external stakeholders via social media. • Uphold GNITS positive brand image by consistently showcasing its strengths and achievements. • Promote college events to attract a broader audience, fostering a positive impact beyond the campus. 	2 times per year
31.	Environmental Club	Functions <ul style="list-style-type: none"> • To ensure the institution environmental friendly/green campus through pollution free initiatives. • To make the adaptable policies to make our institute sustainable campus. • Bridging the gap between institution and government, NGOs, Environmental field experts etc. by establishing networking with them. • Pertaining and implementing the UN Sustainable Development Goals (SDGs) in the institute level policies. • Smooth conduction of events of the club by organizing various Observance of Days to protect and Nurture Environment periodically. 	Once in 4 (or) 6 months depending on events and activities to be organized/conducted
32.	Hostel Committee	<ul style="list-style-type: none"> • Acts as a bridge between the administration, caterers, hostel authorities on one side and the students on the other. • Facilitates the grievance redressal of students and communicates the same to the concerned authorities. • Keeps a check on the daily issues regarding the hostel infrastructure, the housekeeping issues, mess facilities, etc. • Ensures an enriching stay at the campus. 	Monthly once
33.	Admission Committee	Functions: <ul style="list-style-type: none"> • Collect the related documents and required fee from the students admitted in the college. • Prepare vacancy position list. • Conduct spot admissions. • Upload admitted candidates' data in the government authorized admissions website. • Prepare final list of students branch wise and section wise with roll numbers. 	Yearly once
34.	SC/ST Cell	<ul style="list-style-type: none"> • The Scheduled Caste (SC) and Scheduled Tribes (ST) Cell is established in the institution to promote the special interests of students in the reserved category. It provides special inputs in areas where the students experience difficulties. The committee members of the Cell counsel and guide SC/ST students to manage the academic and personal issues of campus life effectively. • To ensure provisions of an environment where all such students feel safe and secure. • To provide prompt counselling for any emotional emergencies arising on account of any event at the campus. • To create awareness of the facilities available on campus. • To address the issues of SC/ST students to overcome their inhibitions and concerns. • Skill and Personality Development Centre (SPDC), an AICTE Funded Project established in the year 2019 conducts special classes every week as per the Time table on Soft skills, Communication Skills, Employability Skills, Career guidance, Technical competencies for the SC/ST students. In addition, guest lectures are arranged by the SPDC Centre to educate the students on their career opportunities and the skills they need to build up during their course. 	Once in a year
35.	Ethics and Conduct Committee	<ul style="list-style-type: none"> • The Committee conducts awareness programmes on GNITS CODE OF ETHICS AND CONDUCT to be followed by all the stakeholder – students, staff, faculty and parents. • Any violation of Code of Ethics and Conduct shall be addressed strictly by the concerned authorities to ensure smooth functioning of the academic and administrative works. • Any cases of unethical behaviour by the students/staff observed and brought to the notice of the concerned authorities/committee, strict action against the member shall be taken as stipulated in the GNITS CODE OF ETHICS AND CONDUCT handbook. • The Committee conducts awareness programmes on GNITS CODE OF ETHICS AND CONDUCT to be followed by the entire stakeholder – students, staff, faculty and parents. 	Twice in a year

S. No.	Names of academic and administrative bodies	Functions and responsibilities	Frequency of meetings
36.	Medical Cell	<ul style="list-style-type: none"> To conduct awareness programmes on timely preventive, promotive and curative health services to all the students and staff on the campus To periodically conduct Medical Camps The Coordinator has to guide the Medical Committee Student Volunteers to plan, implement and conduct the Committee activities To undertake regular reviews of Medical Committee activities. 	As and when required
37.	Student Counselling Committee	<ul style="list-style-type: none"> The Counselling Committee ensures availability of Counselling service as and when required to the students and the staff with their concerns. The Counselling Committee helps students and staff to cope with the fast-paced changes in the stressful modern lifestyle and to correct their concerns on their own through Counselling and Guidance. The Committee provides assistance to enhance their ability to work on social and emotional development that will impact their productivity in their work life. Through Counselling the Committee gives a hope that there is a better way, or a way out with problems they can't handle, can't control, or just don't know how to deal with. Every year two awareness sessions, one each for the first year students during Induction programme and one for the senior students, are conducted besides the regular counselling and guidance provided to the students who approach the Counsellor personally. At the end of the two sessions, feedback of the participants is collected and analysed to ascertain the impact. 	Twice in a year
38.	Student Affairs	<ul style="list-style-type: none"> College Annual Day Inter-Collegiate Technical, Cultural, Sports fests Women in Leadership Conclave WILC during International Women's Day Celebrations every year. Fresher's day and Graduation Day every year. To assist and coordinate the administration to improve the student amenities to improve their career and personality building. To encourage innovative and creative talents of the students. To maintain peace and harmony among campus community in General and student community in particular. To contribute to the development of college policy. 	Once in a Month
39	Internal Complaints Committee/ Sexual harassment	<p>Functions:</p> <ul style="list-style-type: none"> The role of the Committee is to create awareness about sexual harassment and to deal with and recommend punishment for non-consensual acts of sexual harassment, and not to curtail sexual expression within the campus. To create and ensure a safe environment that is free of sexual harassment, including safety from persons/visitors coming into contact at the workplace. To publicise the policy through notice boards and distribution of pamphlets To publicise the names and phone numbers of members of the Committee. To organise orientation seminars to discuss the nature and scope of the sexual harassment of women at the workplace (Prevention, Prohibition and Redressal) Act 2013, at the beginning of the academic year. To organise One or more workshops/seminars annually where external experts on the subject will interact with all employees and students and discussion forums where gender sensitization and gender awareness will be the focus Spreading awareness of the policy and implementation of the same through informal sessions, performances, cultural events, etc., about the policy being implemented by ICC. 	As and when required

Table 10.1.3.1 Governing Council

Sl.No.	Name & Address of the Member	Designation in GB	Category
1	Sri.G.Raghava Reddy	Chairman	Member of the Management Trust

2	Sri. P.Subba Reddy	Member	Member of the Management Trust
3	Ms.G.Srividya Reddy	Member	Member of the Management Trust
4	Prof.G.Gopal Reddy	Member	Academician
5	Mrs Kiranmai Pendyala	Member	Entrepreneur
6	Dr.V.Venkateswara Reddy	Ex-officio Member	University Nominee
7	Dr.K.Rama Adviser	Ex-officio Member	UGC Nominee
8	Nominee of Dept.of Technical Education, Govt.of Telangana	Ex-officio Member	State Govt. Nominee
9	Dr.K.Ramalinga Reddy	Member	Teacher of the College
10	Dr.M.Seetha	Member	Teacher of the College
11	Dr. K.Ramesh Reddy	Member Secretary	Principal of the College

Table 10.1.3.2 Academic Council

S.No	Name	Composition	Position
1	Dr. K.Ramesh Reddy	Principal, GNITS	Chairman
2	Dr.K.Ramalinga Reddy	Dean, Academics & Chairman-BOS, ETM	Member
3	Dr.M.Seetha,	Dean, R & D, HOD & Chairman-BOS,CSE	Member
4	Dr.I.Ravi Prakash Reddy	Dean, Placements & Corporate Relations & Chairman-BOS, IT	Member
5	Dr.B.Venkateshulu	Dean Alumni Relations & Higher Education & Chairman-BOS, ECE	Member
6	Dr.N.Malla Reddy	Dean, Hostels & Admissions & Chairman-BOS, EEE	Member
7	Dr.P.Aparna	Dean, Student Affairs & Chairman-BOS, H & M	Member
8	Dr.T.Charan Singh	HOD & Chairman-BOS, BS	Member
9	Dr.G.Annapurna	Coordinator – PG studies	Sr. Faculty of the Institution
10	Dr.N.Kalyani	Dean – Innovation & Incubation Professor in CSE	
11	Dr.Rajkumar L Biradar	Professor & HOD in ETM	
12	Dr.M.Nagasree	Sr. Asst. Professor in Mathematics	
13	Dr.G.Yesuratnam	Professor, OUCOE, Hyderabad	Experts from outside the College nominated by Governing Body
14	Mr B.S.S.Prasad	Delivery Manager, M/s. Infosys, Hyderabad	
15	Mr.Ch.Lakshman Kumar	Site Head Quest diagnostics, Hyderabad	
16	Sri.K.Raji Reddy	Advocate,76/2RT,Saidabad Colony, Hyderabad	Nominees from Affiliating University (JNTUH)
17	Dr.M.Madhavi Latha	Sr. Prof. of ECE, JNTUH UCESTH	
18	Dr.O B V Ramanaiah	Sr. Prof. of CSE, JNTUH UCESTH	
19	Dr.A.Aruna Kumari	Prof.of ME, JNTUH UCESTH	
20	Dr.G.P.Prasada Reddy	Prof.in Mech. Eng. & Controller of Examinations, GNITS	Member Secretary

Table 10.1.3.3 Finance Committee

S. No.	Name of the Member	Position (Chairman/ Coordinator/ member etc.)
1	Dr. K. Ramesh Reddy	Chairman
2	Dr. P. Rekha	Coordinator
3	Mrs. G. Ujwala	Member

4	Dr. P. Sunitha Devi	Member
5	Mrs.B.Tulasi Sowjanya	Member
6	Dr. V.Sesha Bhargavi	Member
7	Mr.G.Krishna Reddy	Member
8	Mr. S. Rama Krishna	Member
9	Mr. P. Venkata Rami Reddy	Member

Table 10.1.3.4 Boards of Studies

S. No.	Details of the Member	Composition/Position
1	Head of the Department	Chairman
2	Faculty of each Specialization	Members
3	Subject experts outside the college (Nominated by the Academic Council)	2-Members
4	Subject expert of the University (Nominated by the Vice-Chancellor)	1-Member
5	Representative from Industry	1-Member
6	Alumnus – nominated by Principal / BoS	1-Member
7	Experts from outside the college whenever special courses of studies are to be formulated by The chairman/Board of Studies/principal	1-Member

Table 10.1.3.5 College Academic Committee

S. No	Name	Designation	Position
1	Dr.K.Ramesh Reddy	Principal	Principal
2	Dr.K.Ramalinga Reddy	Dean, Academics	Member
3	Dr.M.Seetha	Dean, R&D	Member
4	Dr.I.Ravi Prakash Reddy	Dean, Placements & Corporate Relations	Member
5	Dr.B.Venkateshulu	Dean Alumnae Relations & Higher Education	Member
6	Dr.N.Malla Reddy	Dean, Hostels & Admissions	Member
7	Dr. N. Kalyani	Dean, Innovation & Incubation	Member
8	Dr.P.Aparna	Dean, Student Affairs	Member
9	Dr. G. P. Prasada Reddy	Controller of Examinations	Member
10	Dr.K.Ragini	HOD, ECE	Member
11	Dr. S. Ramcharan	HOD, IT	Member
12	Dr. A. Sharada	HOD, CSE	Member
13	Dr. O. Obulesu	HOD, (CSM,CSD)	Member
14	Dr. P. Ramakrishna Reddy	HOD, EEE	Member
15	Dr.Rajkumar L Biradar	HOD, ETE	Member
16	Dr.M.V.L.SuryaKumari	Physical, Director	Member
17	Dr. M. Madhavi Lata	HOD. H&M	Member
18	Mr.T.V.Rammohan Reddy	HOD Civil	Member
19	Mr.G.NarendraBabu Reddy	TPO	Member

Table 10.1.3.6 Library Committee

S. No.	Name of the Member	Position (Chairman/ Coordinator/ member etc.)
1	G. Krishna Reddy, Assoc, Professor ETE	Coordinator
2	G. Sujatha, Asst. Professor, EEE	Member
3	Dr. C. Padmaja, Asst. Professor, ECE	Member
4	T. Divya Kumari, Asst. Professor, CSE	Member
5	D. Vijayakumar, Asst. Professor, IT	Member
6	Vijaya Lakshmi Asst. Professor, CSD & CSM	Member
7	P.M.S. Hallika, Asst. Professor Mech	Member

8	Dr. Areman Ramyasri, Asst. Professor, H&M	Member
9	B. Mrinalini, Asst. Professor, B&S	Member
10	Dr K Bharatha lakshmi devi Librarian	Convener & Secretary
11	R. Devi Sree, EEE IIA	Student member
12	Ch. Sai Rishitha, EEE IIB	Student member
13	Shreya Pabbathi, ECE IIA	Student member
14	Aabha Ratna Singh, ECE IIB	Student member
15	R. Pravalika, ECE, IIC	Student member
16	Gayatri Kilari CSE IIA	Student member
17	Y. Vaishnavi, CSE, IIB	Student member
18	G. Divija, CSE IIC	Student member
19	Vaishnavi CSD II	Student member
20	Pranavi, CSM II	Student member
21	A. Sushma CSM II	Student member
22	M. Deekshitha, IT II A	Student member
23	A. Mehvish, IT IIB	Student member
24	P. Neha Reddy ETE II	Student member
25	P. Varsha EEE III A	Student member
26	V. Anusri EEE III B	Student member
27	R. Padmavathi ECE III-A	Student member
28	Munigela Naveena ECE III B	Student member
29	M. Varshitha Reddy ECE III C	Student member
30	K. Sri vishnavi CSE III A	Student member
31	Sai Shriya CSE III B	Student member
32	Varshitha Reddy CSE III C	Student member
33	Bhavana CSD III	Student member
34	N. Farheen CSM III	Student member
35	Posti Nishitha CST III	Student member
36	P. Swadhika IT III A	Student member
37	M. Akhshitha IT III B	Student member
38	B. Malavika ETM III	Student member

Table 10.1.3.7. Anti-ragging Committee

S. No.	Name of the Member	Position (Chairman/ Coordinator/ member etc.)
1	Dr. K.Ramesh Reddy, Principal	Chairman
2	Prof. Ch Ganapathy Reddy, ECE	Nodal Officer
3	Mr V Radhakrishna, Asst Prof., ECE	Member
4	Mrs. Divya Raj, Asst Prof., CSE	Member
5	Mrs J.Mamatha, Asst.Prof., HM	Member
6	Prof G.Gopinath, EEE	Member
7	Mrs. Ch.Sravanthi., Asst.Prof., IT	Member
8	Mr. Siva Sankar Namani, Asst Prof., AI & ML	Member
9	Mr Hari Krishna, Asst Prof., ETE	Member
10	Dr. S.Uday Bhasker, Asst.Prof., BS	Member
11	Ms. N.Hiranmai, Asst. Prof., Mech	Member
12	M Kalyani	Student member
13	V Sai Sreeja	Student member
14	M.Lakshmi Prasanna	Student member
15	Chalamarla Naveena	Student member
16	B.Sai Praveena	Student member

17	Rukmini Manasa	Student member
18	Munukuntla Greeshma	Student member
19	Shravya Janamanchi	Student member
20	N. Ravithreni	Student member
21	B. Aishwarya	Student member
22	V. Sai Sravani	Student member
23	Lakshmi Prasanna	Student member
24	M.Divija	Student member
25	M. Deekshitha Varma	Student member
26	R.Devisree	Student member
27	A Mrudula	Student member
28	Ramyasri	Student member
29	K. Nayana Harshita	Student member
30	G Pravalika	Student member
31	M.Sharanya	Student member
32	J.Rishika	Student member
33	K. Sai Pooja	Student member
34	Affifa	Student member
35	Ala Thanmai	Student member
36	G.Nikhitha	Student member
37	Masraddh	Student member
38	K.Manisha	Student member
39	J. Siddhi Harika	Student member

Table 10.1.3.8. Grievance Redressal (Students)

S. No.	Name of the Member	Position (Chairman/ Coordinator/ member etc.)
1	Dr.K.Ramesh Reddy	Chairman
2	Dr.A.Alakanandana	Coordinator
3	Dr.M.Nagasree	Member
4	Mrs.Bhageshwari Ratkal	Member
5	Mrs.B.Narmada	Member
6	Dr.A.Naveena	Member
7	Mrs.K.Sridevi	Member
8	Mrs.T.Srilatha	Member
9	G.Tanmayi	Student Member
10	Yalala Vaishnavi	Student Member
11	Namrata	Student Member
12	D.Haritha	Student Member
13	Naga Shriya Saroj.A	Student Member

Table 10.1.3.9. Grievance Redressal (Staff)

S. No.	Name of the Member	Position (Chairman/ Coordinator/ member etc.)
1	Dr.K.Ramesh Reddy	Chairman
2	Dr.A.Alakanandana,	Coordinator
3	Dr.M.Nagasree	Member
4	Mrs.Bhageshwari Ratkal,	Member
5	Mrs.B.Narmada,	Member
6	Dr.A.Naveena,	Member

7	Mrs.K.Sridevi,	Member
8	Mrs.T.Srilatha,	Member

Table 10.1.3.10. Examination/ Results Review Committee

S. No.	Name of the Member	Position (Chairman/ Coordinator/ member etc.)
1	Dr.K. Ramesh Reddy	Chairman
2	Dr.G.P.Prasada Reddy	COE
3	Mr.B.V.Prasad Babu	Member
4	Dr.S.M.Swamy	Member
5	Dr.K.Syamala Devi	Member
6	Dr.M.Aparna	Member
7	Mr.D.Swamy	Member
8	S.Naga Sarveswara Reddy	Member

Table 10.1.3.11. Research Advisory Committee

S. No.	Name of the Member	Position (Chairman/ Coordinator/ member)
1	Dr. K. Ramesh Reddy, Principal	Principal - Chairman
2	Dr. M. Seetha, Professor, CSE, Dean, R&D	Dean, R&D
3	Dr. K. Prasanna, Associate Professor, CSE	R&D Coordinator
4	Dr. S. Viswanadha Raju, Professor, CSE, JNTUHCEJ, Jagityal	External Advisory Member
5	Dr. G. Prasad, Scientist F, ISRO	External Advisory Member
6	Shri E Siva Shankar, Head, Water Resources Group, NRSC, Hyderabad	External Advisory Member
7	Dr. D.V. Lalitha Parameshwari, CSE	Member
8	Dr. B. Sashidhar, CSE(AI&ML)	Member
9	Mr. N. Siva Shankar, CSE(AI&ML)	Member
10	Dr. V. Supriya, IT	Member
11	Dr. Swapna Raghunath, ECE	Member
12	Dr. R. Nageshwar Rao, EEE	Member
13	Dr. M. Vijayalaksmi, ETE	Member
14	Dr. S. Vasundhara, H&M	Member
15	Dr. Pragathi Jogi, BS	Member
16	Mrs. P.M.S. Hallika, Mechanical	Member

Table 10.1.3.12. NSS Committee

S. No.	Name of the Member	Position (Chairman/ Coordinator/ member etc.)
1	Dr. K. Ramesh Reddy, Principal	Chairman
2	Dr. NVSL Narasimham, Assoc.Prof.	Program Officer
3	Dr. P. Rekha, Assoc. Prof.	Coordinator
4	Mrs. P.Mamata, Asst. Prof, EEE	Member
5	Mr. B. Vamshi, Asst. Prof, CSE	Member
6	Mrs. Ch. Anusha Reddy Asst. Prof, ECE	Member
7	Mrs. A.Nageswari, Asst. Prof, IT	Member
8	Dr. A. Naveena,, Asst. Prof, ETE	Member

Table 10.1.3.13. Industry Institute Interaction / Partnership / Placement Committee

S.No.	Name of the Member	Position (Chairman/ Coordinator/ member etc.)
-------	--------------------	--

1	Dr.K. Ramesh Reddy,Principal	Chairman
2	Dr.I.Ravi Prakash Reddy	Dean, Placements & Corporate Relations
3	Dr.G.Narendra Babu Reddy	Training & Placement Officer
4	Mr.Ch .Sudharshan Reddy	Coordinator
5	Mr.G.Naga Babu	Coordinator
6	Mr.Siva Sankar Namani	Coordinator
7	Mr. B.Sreekanth Reddy	Coordinator
8	Mr.C.Sridhar Babu	Coordinator
9	Mr.N .RamaKrishna	Coordinator
10	Mr.P.Sai Niranjan Kumar	Coordinator
11	Mr.Ch.LeelaKrishna	Coordinator
12	Ms.Y.RajaLakshmi	Coordinator
13	Mr.P.Purushotham	Coordinator

Table 10.1.3.14. I & I Dept.

Sl. No.	Name of the Member	Position (Chairman/ Coordinator/ member etc.)
1	Dr. K. Ramesh Reddy	Chairman
2	Dr. N. Kalyani	Dean Innovation & Incubation
3	Dr. G. Malini Devi	Convener
4	Mr. V. Vikas	YUKTI Coordinator
5	Mr. V. Badri Ramakrishna	
6	Mrs. Bhageshwari Ratkal	Social Media Coordinator
7	Dr. T. Sunitha	
8	Mrs. M. Lalitha	Innovation Activity Coordinator
9	Mr.G.Krishna Kishore	
10	Dr.P.Rekha	IPR Coordinator
11	Dr.G.Malini Devi	
12	Mrs.E.Gouthami	
13	Mr.B.Rakesh Goud	Startup Activity Coordinator
14	Mrs.P.N.Ramya	
15	Mrs.Usha	IIC & ARIA Coordinators
16	Dr.T.Himabindu	
17	Mrs.B.Amrita	
18	Dr.C.Padmaja	NISP Coordinator
19	Dr.K.Mrudula	
20	Ms.N.Hiranmai	Design Thinking Coordinator
21	Mrs.P.M.S.Hallika	
22	Mrs.Aradhana S	Project Consultant
23	Mrs. Setu Sharma	
24	Mrs. T.Neha	Members
25	Mr. P.Sathyararyana Goud	
26	Dr.I.Radhika	
27	Mrs.Pooja Vitthalrao Phad	
28	Mrs.M.Shanti	
29	Dr.T.Malathi Latha	

Table 10.1.3.15. Internal Quality Assurance Cell

S.No.	Name of the Member	Position (Chairman/ Coordinator/ member etc.)
-------	--------------------	--

1	Dr.K. Ramesh Reddy,Principal	Chairman
2	Dr.I.Ravi Prakash Reddy	Dean, Placements & Corporate Relations
3	Dr.G.Narendra Babu Reddy	Training & Placement Officer
4	Mr.Ch .Sudharshan Reddy	Coordinator
5	Mr.G.Naga Babu	Coordinator
6	Mr.Siva Sankar Namani	Coordinator
7	Mr. B. Sreekanth Reddy	Coordinator
8	Mr.C.Sridhar Babu	Coordinator
9	Mr.N .RamaKrishna	Coordinator
10	Mr.P.Sai Niranjan Kumar	Coordinator
11	Mr.Ch.LeelaKrishna	Coordinator
12	Ms.Y.RajaLakshmi	Coordinator
13	Mr.P.Purushotham	Coordinator

Table 10.1.3.16. Timetable committee

S. No.	Name of the Member	Position (Chairman/ Coordinator/ member etc.)
1	Dr. K. Ramesh Reddy	Principal
2	Mr. M. V. Ramana Reddy	Coordinator
3	Dr.S.Vasundhara	Co-Coordinator
4	V.Divya Raj	Member
5	R. Mamatha	Member
6	D.. Anusha	Member
7	T.Neha	Member
8	P.Sreepadma	Member
9	K.Swathi	Member
10	K.PriyamVada	Member
11	S. Bhulakshmi	Member
12	U.jyothi	Member
13	M.Deepthi	Member
14	V.Anitha	Member
15	N. Hiranmai	Member
16	M. Yashwanth Kumar	Member
17	Anupama Venugopal	Member
18	Keshav Kumar .K.	Member
19	T.Malathi Lata	Member
20	Dr. A. Alalanananada	Member
21	Dr. M. Shanti	Member
22	Dr.K.Syamala Devi	Member

Table 10.1.3.17. Alumnae Coordination Committee

S. No.	Name of the Member	Position (Chairman/ Coordinator/ member etc.)
1	Dr. K. Ramesh Reddy	Chairman
2	Dr. P. Sreesudha, Asst. Prof, ETE	Co-ordinator
3	Mrs. Y. Priyanka, Asst. Prof, EEE	Co-coordinator
4	Mrs. J. Padmavathi,Asst Prof, CSE	Faculty Member
5	Mrs. K. Swathi, Asst. Prof., ECE	Faculty Member
6	Mrs. G. Sujatha,Asst. Prof., EEE	Faculty Member
7	Ms. K. Pranathi, Asst. Prof., ETE	Faculty Member
8	Dr. L. Smitha, Asst. Prof., IT	Faculty Member

9	Mrs. V Jahnvi, Senior Asst. Prof., H & M Faculty Member
---	---

Table 10.1.3.18. Website committee

S. No.	Name of the Member	Position (Chairman/ Coordinator/ member etc.)
1	Dr.K.Ramesh Reddy	Chairman
2	Dr. M.Seetha Dean R&D , Professor in CSE.	Website In-charge
3	Mr. T. Rajesh , Asst. Professor, CSE	Web Master
4	Ms. G. Sandhya, Programmer, CSE	Web Coordinator
5	Mr. B. Syam Sundar Reddy	Web Coordinator
6	Mr. N. Venkateswarulu, Asst .Prof.	CSE
7	Dr. Renuka Methre, Associate Prof.	ECE
8	Mrs Ujawala, Asst.Prof.	EEE
9	Mrs.D.Sree Lakshi, Asst.Prof	IT
10	Dr. A. Naveena, Asst.Prof	ETM
11	Ms. VB Sangeetha, Asst.Prof	H & M
12	Dr. S. Uday Bhaskar, Asst.Prof	BS
13	Mrs. D.Niharika, Asst.Prof	Mech. Eng.
14	Dr. Bharata Lakshmi Devi, Librarian	Library
15	Dr.M.V.L Surya Kumari, Physical Directress	Physical Education

Table 10.1.3.19. Games and Sports Committee

S. No.	Name of the Member	Designation & Department	Position (Chairman/ Coordinator/ member etc.)
1	Dr.K.Ramesh Reddy	Principal	Chairman
2	Dr.A.Alakanandana	Assoc. Prof.- BS dept.	Coordinator
3	Dr.M.V.L.Surya Kumari	Physical director	Member
4	Mr T.V.Ram Mohan Reddy	HOD- Civil dept.	Member
5	Mrrs. Ch. Shravanthi	Asst. Prof., IT dept.	Member
6	Mr.Ch.Sudarshan Reddy	Asst. Prof., CSE dept.	Member
7	Mr Ch.Leela Krishna	Asst. Prof., EEE dept.	Member
8	Mrs K.Swathi	Asst. Prof., ECE dept.	Member
9	Mrs V.Anitha	Asst. Prof., ETM dept.	Member
10	Dr.S.Vasundhara	Asst.Prof., HM dept.	Member

Table 10.1.3.20. Arts and Cultural Committee

S.No.	Name of the Member	Position (Chairman/ Coordinator/ member etc.)
1	Dr. K. Ramesh Reddy, Principal	Chairman
2	Mrs. VB Sangeetha, Assoc.Prof., HM	Coordinator
3	Mr. V. Badri Rama Krishnan, Asst. Prof.,EEE	Member
4	Mrs. V. Divya Raj, Asst. Prof., CSE	Member
5	Mrs. K. Swathi, Asst. Prof., ECE	Member
6	Mrs. M. Sridevi, Asst. Prof., IT	Member
7	Dr. T. Sunitha, Asst. Prof., ETM	Member
8	Mrs. Anupama Venugopal, Asst. Prof., HM	Member
9	Mrs. O. Sujana, Asst. Prof., BS	Member

Table 10.1.3.21. Career Guidance Cell

S. No.	Name of the Member	Position (Chairman/ Coordinator/ member etc.)
1.	Dr. K.Ramesh Reddy, Principal	Chairman
2.	Dr. P.Sunitha Devi, Asst. Prof., CSE	Coordinator
3.	Mr.P.Sai Niranjan, Asst. Prof., EEE	Member
4.	Mr. P.Satyanarayana, Asst. Prof., ECE	Member
5.	Mr. G.Naga Babu, Asst. Prof., CSE	Member
6.	Mrs. V. Usha, Asst. Prof., IT	Member
7.	Mrs. M.Jyothsna, Asst. Prof., ETE	Member

Table 10.1.3.22. Indian Society for Technical Education (ISTE)

S. No.	Name of the Member	Position (Chairman/ Coordinator/ member etc.)
1	Dr. K. Ramesh Reddy, Principal	President ISTE
2	Dr. G. P. Prasada Reddy, CoE	Vice President ISTE
3	Mr.Ch. Hari Prasad, Assistant Professor, ECE	Secretary-ISTE
4	Mr.Ch. Sudhakar Reddy, Associate Professor, IT	Faculty Advisor, ISTE
5	Ms. Bhageshwari Ratkal Assistant Professor, CSE	Treasurer, ISTE
6	Mr. P. Chandrasekhar Assistant Professor, ECE	Coordinator, ISTE
7	Ms. D.R. Nanda Devi, Assistant Professor, CSE	Coordinator, ISTE
8	Ms. C Bhagyashree, Assistant Professor, CSD	Coordinator, ISTE
9	Ms. P. Sreesudha, Assistant Professor, ETE	Coordinator, ISTE
10	Ms. P. N. Ramya, Assistant Professor, IT	Coordinator, ISTE
11	Ms. Dr. T. Himabindu Assistant Professor, EEE	Coordinator, ISTE
12	Ms. M. Naga Sree, Sr.Assistant Professor, H&M	Coordinator, ISTE

Table 10.1.3.23. IEEE Student Branch

S. No.	Name of the Member	Position (Chairman/ Coordinator/ member etc.)
1	Dr. K Ramesh Reddy	Principal
2	Dr. N Malla Reddy ,EEE	SB Mentor
3	Dr. Renuka Devi S M ,ECE	SB Co-ordinator , WiE faculty advisor
4	Dr. Himabindu T , EEE	SB Counsellor, IES Faculty Advisor
5	Dr. C. Padmaja ,ECE	Sensors Council Faculty Advisor
6	Mrs. K. Swarna Latha , EEE	PELS Faculty Advisor
7	Mrs. B. Amrita CSE	Group Challan, Web Master
8	Mrs. D. Vandana IT	Membership Development Committee (MDC) Chair
9	Mrs. G. Madhavi ,ECE	Financial advisor, Minutes Of Meeting in charge
10	Mrs. K. Pranathi ,ETE	Public relations and Content Writing
11	Dr Sushma ,H&M	First year students communication
12	Dr I Radhika , BS	First year students communication
Student EXCOM Members		
13	Nasira Banu ECE	Chair
14	V. Nanditha Reddy , ECE	Vice - Chair
15	C. Madhuri , EEE	Secretary
16	G. Jhansi Laxmi EEE	Treasurer
17	K. Sahithi CSE	PR Head
18	Ch. Poojitha CSE	PR Co-Head
19	S. Meenakshi EEE	Content Writing and Designing Head
20	Pranavya Akula CSM	Content Writing and Designing Co-Head
21	B. Sri Vaishnavi EEE	Photography Head

22	B. Usha Sri Chowdary ECE	Photography Co-Head
----	--------------------------	---------------------

Table 10.1.3.24. CSI

S. No.	Name of the Member	Position (Chairman/ Coordinator/ member etc.)
1	Dr.M.Seetha	Chairman
2	Mrs.P.Sunitha Devi	Student Branch Counsellor
3	Mr.R.Mamatha	Faculty Advisor
4	Mrs.K.Sneha Reddy	Faculty Advisor

Table 10.1.3.25. IETE Student Forum

S. No.	Name of the Member	Position (Chairman/ Coordinator/ member etc.)
1	Dr. K Ramesh Reddy, Principal	President
2	Dr.K Ragini, HOD ECE	Convener
3	Mr. Y. Rakesh Kumar, Asst.Prof. ECE	Faculty coordinator
4	Dr. A. Naveena, Asst.Prof. ETE Mr. V. Radhakrishna, Asst.Prof. ECE	Faculty Advisors
5	G. Krishna Haneesha (4/4 ECE)	Vice- President
6	N.Pallavi (4/4 ECE) M.Akhila (4/4 ETE)	Secretary
7	S.Prathima Reddy (3/4 ECE)	Treasurer

Table 10.1.3.26. Canteen Committee

S. No.	Name of the Member	Position (Chairman/ Coordinator/ member etc.)
1	Dr. K. Ramesh Reddy	Chairman
2	Dr. R Nageswara Rao	Coordinator
3	Mr. T.V. Ram Mohan Reddy	Member
4	Mr. C. Sudhakar Reddy	Member
5	Mr V.Radha Krishna	Member
6	Mrs. B.R.Lakshmi,	Member
7	B.Rakesh Goud	Member
8	Mr . B. Vamsee	Member
9	Mrs A. Rajitha	Member

Table 10.1.3.27. College Magazine Committee

S. No.	Name of the Member	Position (Chairman/ Coordinator/ member etc.)
1.	Dr.K.Ramesh Reddy, Principal	Chairman
2.	Dr.P.Aparna, Professor & Dean (Student Affairs)	Chief Editor
3.	Dr.B.Sushma, Associate. Prof. of English, H&M	Convenor
4.	Mrs V.Jahnavi, Sr. Asst. Prof. of English, H&M	Coordinator
5.	Mrs. P. Mounika, Asst. Prof, IT	Faculty member
6.	Mrs.P.V.S.S.A.Parimala, Asst. Prof., EEE	Faculty member
7.	Mrs.Ch.Radhika, Asst. Prof., CSE	Faculty member
8.	Mrs.V.Uma, Assoc. Prof., ECE	Faculty member
9.	Mrs. A. Rajitha, Asst. Prof., ETM	Faculty member
10.	Mr S.N.Sarveswara Reddy, Asst. Prof. Mech.	Faculty member
11.	Ms. Aswani R.Jeevan, Asst. Prof. H & M	Faculty member

12.	Mr G.Narendra Babu Reddy, TPO	Faculty member
13.	Dr.Pragati Jogi, Asst. Prof. BS	Faculty member
14.	Dr MVL Surya Kumari, PD	Faculty member
15.	Dr.K.Bharatha Lakshmi Devi, Librarian	Faculty member
16.	B. Daksha ¼ CSD	Student Member
17.	D. Bhavitha ¼ CSE-A	Student Member
18.	B. Neha ¼ CSE-B	Student Member
19.	Mohana Sreshta. T ¼ CSM-A	Student Member
20.	V. Sai Ujwala ¼ ECE-A	Student Member
21.	B. Chandana ¼ ECE-C	Student Member
22.	A. Swetha ¼ EEE-A	Student Member
23.	Ch. Sai Siri Jahnavi ¼ ETM	Student Member
24.	B. Greeshma ¼ IT-A	Student Member
25.	G. Angel ¼ IT-B	Student Member

Table 10.1.3.28. NPTEL & FDP

S. No.	Name of the Member	Position (Chairman/ Coordinator/ member etc.)
1	Dr.M.Vijaya Lakshmi, ECE	Coordinator
2	Dr. V. Vijaya Lakshmi, Asst. Prof., H&M (FDP &NPTEL)	Member
3	Ch. Swathi. Asst.Prof., CSE (FDP &NPTEL)	Member
4	Ch. Veena, Asst. Professor, CSE (AI &ML) (FDP &NPTEL)	Member
5	P. Satyanarayana goud Asst. Prof., ECE (FDP)	Member
6	A. Chandra Shaker, Asst. Prof., ETM (FDP &NPTEL)	Member
7	K. Swarna Latha, Asst. Prof., EEE (FDP)	Member
8	T. Ammannamma, Asst. Prof., IT, (FDP &NPTEL)	Member
9	M. Shanti, Asst. Prof., BS, (FDP &NPTEL)	Member
10	M. Lakshmi, Asst. Prof., ECE(NPTEL)	Member
11	Dr. G. Satheesh, Asst. Prof., EEE (NPTEL)	Member

Table 10.1.3.29. Purchase Committee

S. No.	Name of the Member	Position (Chairman/ Coordinator/ member etc.)
1	Smt. Srividya Reddy G.	Chairman
2	Dr. K. Ramesh Reddy	Convener
3	Mr.M. Venkata Ramana Reddy	Coordinator
4	B.V. Prasad Babu	Coordinator
5	Mrs. M Vijayalakshmi	Member
6	Mr. G. Krishna Reddy	Member
7	Mr. G. Ramana Reddy	Member
8	Dr. P. Sunitha Devi	Member
9	Mr. M. Yashwanth Kumar	Member
10	Dr. P. Rekha	Member
11	Mr. S. Rama Krishna	Member
12	G.V.Avadhani	Member

Table 10.1.3.30. Press and Social Media Committee

S.No	Name of the Member	Position (Chairman/ Coordinator/ member etc.)
1	Dr. K. Ramesh Reddy, Principal	Chairman
2	Dr. A. Naveena, Asst. Prof.	Coordinator

3	Mrs. D. Sreelakshmi, Asst. Prof.	Co-coordinator, Social media
4	Mrs. P. Roopa Ranjini, Asst. Prof.	Co-coordinator, Press
5	Mr. G. V. Avadhani, Dean Administration	Press Relations Incharge
6	Ms. Ramya Madhavaram, CEO, R-Work	External Member
7	Mrs G. Sandhya, Asst. Prof.	Faculty Member
8	Mrs. G.Roja, Asst.Prof.	Faculty Member
9	Mrs. P. Lavanya, Asst. Prof.	Faculty Member
10	Mrs. D. Niharika, Asst. Prof.,	Faculty Member
11	Dr. K. Mrudula, Asst. Prof.	Faculty Member
12	Mr. B. Rakesh Goud, Asst. Prof.	Faculty Member
13	Dr. P. Sreesudha, Asst. Prof., Alumni Coordination Committee Coordinator	Faculty Member
14	Dr. G. Narendra Babu Reddy, Asst., Training and Placement Officer	Faculty Member
15	Dr. MVL Surya Kumari., Physical Directress	Staff Member
16	Mrs. G. Manjula., Library Asst.	Staff Member
17	Arshiya,	Student Member
18	Akipalli Sri Usha,	Student Member
19	K. Sai Charitha,	Student Member
20	M. Pragya Teja Sri	Student Member
21	Nikitha Mora	Student Member
22	S. Sudeepthi,	Student Member
23	T. Sai Pratyusha,	Student Member
24	B. Neha Rao	Student Member
25	M. Sri Sai Chinmai,	Student Member
26	A. Amulya,	Student Member
27	P. Shivani,	Student Member
28	Banoth Supriya, II, CSE	Student Member
29	A.Pragna,	Student Member
30	Varenya Gyanmote,	Student Member
31	Vaishnavi Karra,	Student Member

Table 10.1.3.31. Environmental Club

S. No.	Name of the Member	Position (Chairman/ Coordinator/ member etc.)
1.	Dr. K. Ramesh Reddy	Chairman
2.	Dr. K. Shyamala Devi	Convener
3.	Mr. Y. Prakash	Member
4.	Mr. B. Vamshi	Member
5.	Mrs. B. Vijaya Lakshmi	Member
6.	Mrs. E. Gouthami	Member
7.	Ms. G. Santhoshi	Member
8.	Mr. G. Hari Krishna	Member
9.	Mr. K. Naresh	Member
10.	Ms. Arya Mohan	Member
11.	Mr. B. Rakesh Goud	Member

Table 10.1.3.32. Hostel Committee

S. No.	Name of the Member	Position (Chairman/ Coordinator/ member etc.)
--------	--------------------	--

1	Dr. K. Ramesh Reddy	Chairman
2	Dr. N. Malla Reddy	Convener
3	Mrs. Anupama Venugopal	Coordinator
4	Major Rakesh Gulati	Hostel Manager
5	Dr. K. Bharatha Lakshmi Devi	Member
6	Dr.MVL Surya Kumari	Member
7	Mrs. V. Divya Raj	Member
8	Mrs. P. Mounika	Member
9	Mrs. E. Gouthami	Member
10	Mrs. K. Swathi	Member
11	Mrs. A. Rajitha	Member
12	Mrs. O. Sujana	Member

Table 10.1.3.33. Admission Committee

S. No.	Name of the Member	Position (Chairman/ Coordinator/ member etc.)
1	Dr. K. Ramesh Reddy	Principal
2	Dr. N. Malla Reddy	Dean, Hostels & Admissions
3	Dr. T. Charan Singh	Assoc. Prof & HOD
4	Mr B.Rakesh Goud	Asst. Prof
5	Dr.N.Ramesh	Asst. Prof
6	Dr. S. Uday Bhaskar	Assoc. Prof
7	Dr. Y. Veera Swamy	Asst. Prof
8	Mr G.V.Avadhani	Dean, Administration
9	Mr. K. Srinivasa Rao	Transport and Hostel Manager
10	Mr. Rakesh Gulati	Manager, Hostels
11	Mr P.Venkata Rami Reddy	Accounts Officer
12	Mr K.Ranganath	Programmer

Table 10.1.3.34. SC/ST Cell

Sl. No.	Name of the Member	Position (Chairman/ Coordinator/ member etc.)
1	Dr. K. Ramesh Reddy	Chairman
2	Dr. P. Aparna	Coordinator
3	Dr. G. Malini Devi	Convener
4	Dr. L. Smitha	Member
5	Mr. P. Chandra Sekhar	Member
6	Mrs. G. Sujatha	Member
7	Mrs. K. Pranathi	Member
8	Mrs. P. Saritha	Member

Table 10.1.3.35. Ethics and Conduct committee

Sl. No.	Name of the Member	Position (Chairman/ Coordinator/ member etc.)
1	Dr. K. Ramesh Reddy	Chairman
2	Dr. P. Aparna	Convenor
3	Mrs. V. Jahnvi,	Co- Convenor
4	Mrs. Bhageswari Ratkal	Coordinator
5	Dr. T. Anuradha	Co-coordinator
6	Mrs. P. Madhuri	Member

7	Mrs. P.N. Ramya	Member
8	Mrs. P. Mamatha	Member
9	Mrs. P.M.S. Hallika	Member
10	Mrs. C. Aarthi	Member

Table 10.1.3.36. Medical Cell

Sl.No.	Name of the Member	Position (Chairman/ Coordinator/ member etc.)
1	Dr. K. Ramesh Reddy	Chairman
2	Mr. T. V. Rammohan Reddy	Coordinator
3	Dr. MVL Surya Kumari	Member
4	Dr. K. Bharata Lakshmi Devi	Member
5	Mr. G. V. Avadhani	Member
6	Mr. K. Srinivasa Rao	Member

Table 10.1.3.37. Student Counselling

Sl.No.	Name of the Member	Position (Chairman/ Coordinator/ member etc.)
1	Dr. K. Ramesh Reddy	Chairman
2	Mrs. V. Jahnvi	Coordinator & Counselling Psychologist
3	Mrs. P. Mamatha	Member
4	Mrs. Ch. Swathi	Member
5	Mr. V. Radha Krishna	Member
6	Mrs. M. Bhavani	Member
7	Mr. A. Chandrasekher	Member
8	Dr. S. Uday Bhaskar	Member

Table 10.1.3.38. Student affairs

Sl.No.	Name of the Member	Position (Chairman/ Coordinator/ member etc.)
1	Dr. K. Ramesh Reddy	Chairman
2	Dr. Aparna Palle	Professor- In charge
3	Dr. T. Anuradha	Coordinator
4	Dr. B. Rajeshwari	Coordinator
5	Ms. Bhageshwari Ratkal	Member
6	Mrs. G. Roja	Member
7	Ms. C. Bhagya sree	Member
8	Mrs. P. Madhuri	Member
9	Mrs. P. Mamatha	Member
10	Dr. T. Sunitha	Member
11	Mrs. P. N. Ramya	Member
12	Mrs. P. M. S. Hallika	Member
13	Mrs. C. Aarthi	Member
14	Ishitha Doniparthi	President
15	Ms. R. Aashritha Reddy	Vice-President
16	Ms. Guda Tharunya Varma	General Secretary
17	Ms. Sankepally Meghana Reddy	Joint Secretary
18	Ms. Kondoju Jyothsna	Cultural Secretary
19	Ms. Thogaru Vennela	Cultural Joint Secretary
20	Ms. Himaja Elluru	Technical Secretary
21	Ms. Thogaru Vennela	Technical Joint Secretary
22	Ms. S.V.L. Santhoshi Pavani	Sports Secretary

23	Ms. Harini Karnati	Sports Joint Secretary
24	Syeda Shifa Fatima	Finance Secretary
25	Kanchoju Devi	Finance Joint Secretary
26	Ms. T. Bhavani	Editor In-Chief
27	Ms. B. Siri Chandana	Assistant Editor
28	Ma. T. Harshitha	Public Relations and Social Media Head
29	Ms. A. Akshara Rao	Marketing and Branding Head
30	Ms. A. Rohini Priya	Creative Design Head
31	Ms. Preethi Patil	Communication Head
32	Ms. G. Yashaswi Sri	Documentation Head

Table 10.1.3.39. Internal Complaints Committee/Sexual harassment

S. No.	Name of the Member	Position (Chairman/ Coordinator/ member etc.)
1	Dr.K.Ramesh Reddy , Principal	Chairman
2	Mrs.T . Aparna , Asstant Professor IT	Coordinator
3	Ms Bhagyasri Marreddy, Sr. Advocate , High Court Of Telanga	External Member
4	Dr. P. Aparna , Prof & Dean Student Affairs	Member
5	Dr. M.V.L. Surya Kumari , Physical Directress	Member
6	Mrs. K. SwarnaLatha , Asst Prof EEE	Member
7	Mrs. BhageswariRatkal , Asst Prof CSE	Member
8	Dr.T. Sunitha , Asst Prof ETE	Member
9	Mrs. M. Sreevalli Asst Prof , BS	Member
10	Mrs Swathi , Asst Prof ECE	Member
11	Ms Hiranmayi , Asst Prof Mech	Member

B. The published service rules, policies and procedures with year of publication (3)

Service Rules of the Employee/HR Policy-2022

The Rules contained in the Administrative Manual shall be called the "G.Narayanamma Institute of Technology & Science (For Women), Hyderabad-Service Rules/HR Policy 2022" (Governing the service conditions of all the Employees of the Institute, both Teaching and Non-teaching staff) and will come into force w.e.f 01 January 2022.

Application:

- These Rules shall apply to all the Employees of G.Narayanamma Institute of Technology & Science (For Women), Hyderabad.
- Points requiring interpretation or clarification or any cases of doubt shall be referred to the Governing Council, whose decision shall be final.
- All the Employees are required to familiarize themselves with these Rules immediately upon appointment since their services will be governed and regulated by these Rules.

CLASSIFICATION OF EMPLOYEES

Employees in GNITS are classified into the following categories

1.REGULAR EMPLOYEES

A person who is appointed against a Regular Post carrying scale of pay and who has satisfactorily completed the probation period stipulated in the appointment order or the extended probation period to the entire satisfaction of the Management and who has been confirmed is called Regular Employee.

2.PROBATIONER

An Employee who is provisionally appointed to a Regular Post and who has not completed the probation period is called a Probationer.

3.CONTRACT EMPLOYEES

Employees for whom the tenure (specific period of time) of employment is mentioned in the Appointment Order are called Contract Employees.

4.PART TIME EMPLOYEE

A person who is employed to work for less than the normal period of working hours which is clearly specified in the Appointment Order is called as Part-time Employee.

APPOINTMENTS AND SCALES OF PAY

SCALES OF PAY:

Teaching Posts: Keeping the UGC/AICTE scales in view the Governing Council of the Institute will decide from time to time the Scales of Pay to be offered to the Teaching posts.

All other Posts: Scales as prescribed by the Governing Council from time to time

ALLOWANCES

Dearness Allowance & House Rent Allowance shall be adopted as decided by the Governing Council of the Institute from time to time.

INCREMENTS:

All services in a post on a time scale of pay shall count for increments in that time scale, unless and otherwise specifically mentioned contrarily.

Annual performance of teaching and Non-teaching staff is evaluated based on Self-Appraisal form submitted by staff by HOD, Principal and Chairman.

PROMOTION POLICY:

Promotions to higher position shall be considered on the basis of competency, past performance, qualification, merit & seniority basis. Under normal circumstances the senior most members of the staff shall be considered for promotion to the next higher level position, based on the eligibility and merit subjected to the vacancy and requirement. Hence, Promotion is not automatic and cannot be claimed by an employee as a matter of right. The institute will consider the UGC/AICTE/JNTUH rules and regulations for promotions in case of teaching positions.

CONFIRMATION: When any Employee completes his/her probation, or extended period of probation, the Appointing Authority shall decide whether his/her probation is completed satisfactorily, and If it is so decided, he/she may be regularized in the post in which he/she completes the Probation.

TERMINATION OF SERVICE:

1. If any employee is not regularized after the period of probation and his/her probation also is not formally extended, he/she may be apprised of the reasons therefor within 6 months and he/ she shall be deemed to have been continued on a temporary basis and his/her services may be terminated by the Appointing Authority by giving one months' notice.
2. The Appointing Authority shall have the power to terminate the services of any employee appointed on tenure basis without any notice.
3. The Governing Council shall have power to terminate the services of any regular employee by giving him/her three months' notice, if the member's retention in service is considered.

RESIGNATION:

1. A member of regular staff may resign from his/her post and terminate his/her engagement with the Institute by giving to the Appointing Authority 3 months' notice or by paying 3 months pay in lieu thereof.

b) Unless otherwise stated specifically in the terms of appointment an Employee on probation may terminate his/her engagement in the Institute by giving to the Appointing Authority one month notice or by paying one months' salary to the Institute in lieu thereof.

RETIREMENT:

The Age of Retirement of all members of teaching staff (faculty) shall be 60 years and in case of other staff it shall be 58 years. However, an Employee's services can be terminated by the Management even before his/her superannuation on the grounds of physical or mental infirmity, inefficiency or incapability to work, or if he/she outlived his/her utility.

LEAVE RULES FOR THE EMPLOYEES

Rules relating to the different kinds of leave that can be availed by a regular employee are described below:

- CASUAL LEAVE Applicable for all categories of staff
- VACATION: Applicable for all categories of staff
- EARNED LEAVE: Applicable for all categories of staff
- HALF-PAY LEAVE: Applicable only for Regular staff
- ACADEMIC LEAVE: Applicable for all categories of faculty.
- MATERNITY LEAVE: Applicable only for Regular staff
- COMPENSATORY CASUAL LEAVE: Applicable for all categories of staff

WELFARE MEASUREMENTS & GENERAL BENEFITS:

These benefits are applicable to the Regular and Contract Employees only.

- EMPLOYEE PROVIDENT FUND: All the employees of the Institute shall be covered by the Employees Provident Fund Act, subject to their salary-ceiling limit.

- HEALTH INSURANCE: they are eligible for partial reimbursement of premium (as decided by the management from time to time) as against the premium paid by them towards the Health Insurance Policy taken by them on production of documentary evidence.
- GROUP GRATUITY SCHEME: All the Employees holding regular posts and drawing scale of pay will be covered by the Group Gratuity Scheme maintained by L I C of India at the cost of the Institute as per the rules of Payment of Gratuity Act in force.
- PERSONAL ACCIDENT POLICY: Applicable for all the employees
- E.S.I. BENEFIT: Non-Teaching staff of the Institute shall be covered by the ESI Benefit subject to their salary ceiling limit As per ESI Act.
- SUBSIDIZED TRANSPORTATION FACILITY: This facility is applicable for the staff for a nominal fee on all the bus routes operating in various parts of Hyderabad city
- INCENTIVES FOR Ph.D., AWARDED: Special allowance per month will be paid to faculty based on their Designation those who completed their Ph.D.,
- INSTITUTE IS OFFERING INCENTIVES IN ORDER TO ENCOURAGE PROFESSIONAL DEVELOPMENT: Institute of is offering incentives to publications in quality journals like SCOPUS and other free journals in order to encourage professional development
- FINANCIAL SUPPORT TO ATTEND VARIOUS SEMINARS/WORKSHOPS: GNITS sponsors the Teaching by paying the Registration Fees to attend VARIOUS FACULTY DEVELOPMENT PROGRAMS (FDP) SEMINARS/WORKSHOPS/ Orientation /Refresher courses/STTPS.

Non-Teaching Staff will be paid while attending to skill development programs

- FINANCIAL SUPPORT TOWARDS MEMBERSHIPS OF PROFESSIONAL BODIES: The institute will pay up to 50% of the membership fee towards memberships of fee of professional bodies based on the eligibility criteria.
- STUDY LEAVE FOR PROFESSIONAL DEVELOPMENT R&D AND CONSULTANCY INCENTIVES: For teaching staff Academic Leaves will be given to attend Seminars, Training Programs, Workshops & Symposiums and Non-Teaching staff for their higher studies according to GNITS Leave rules.
- R & D and Consultancy Incentives are provided as per the GNITS R&D and Consultancy Policy.

CODE OF ETHICS FOR TEACHERS:

- Advance the interests of the teaching profession through responsible ethical practices Regard themselves as learners and engage in continual professional development.
- Be truthful when making statement about their qualifications and competencies. Contribute to the development and promotion of sound educational policy.
- Contribute to the development of an open and reflective professional culture.
- Treat colleagues and associates with respect, working with them in a very congenial environment.
- Assist newcomers to the profession, disclosure is required by the law observes compelling professional purpose.
- Respect confidential information on colleagues.
- Speak out if the behavior of a colleague is seriously in breach of this code.

GENERAL RULES FOR ALL EMPLOYEES

The following clauses define the code of conduct for the employees of GNITS. They are equally applicable to both regular and contract employees.

1. Every Employee of the Institute shall be devoted to his/her duty and shall maintain absolute integrity, honesty, discipline, impartiality and a sense of propriety.
2. No Employee of the Institute shall behave in a manner which is unbecoming of such an Employee or which is derogatory to the prestige of the Institute.
3. No Employee of the Institute shall act in a manner, which will place his/her, official position under any kind of embarrassment.
4. No Employee of the Institute shall, in performing his/her official duties, act in a discourteous manner.
5. No Employee of the Institute shall, in his/her official dealings with the public and students, adopt dilatory tactics or willfully cause delays in disposal of work assigned to him/her.
6. No Employee of the Institute shall participate in any strike or similar activities including absence from duty without permission, hunger strike, etc. against the Management of the Institute

MISCONDUCT:

1. Without prejudice to the general meaning of the term misconduct, the following acts and / or omissions, which are illustrative and not exhaustive, shall be treated as serious misconduct.
2. Going on or participating in an illegal strike or abetting the same
3. Theft, fraud, breach of trust, or dishonesty by misappropriation of funds in connection with or damage to the property of the Institute or the property of another Employee/Office within the Institute premises
4. Collection or canvassing for the collection of any money, whatsoever, for purpose not authorized in writing by the Management within the premises of the Institute

CONTROL, DISCIPLINE AND APPEAL PROCEDURE FOR ENQUIRY

- a) Whenever a case of misconduct or a case of indiscipline comes to the notice of the Administration, the accused Employee, with or without being kept under suspension depending on the severity of the incident, will be informed of the institution of enquiry along with the details of enquiry officer through a Memo asking him or her to appear before the Inquiry Officer at the place and time specified by the enquiry Officer.
- b) The enquiry Officer appointed by the committee constituted by Principal shall be a person known for unbiased and impartial attitude and familiar with principles of natural justice.
- c) The enquiry Officer should be neither a complainant nor a witness.
- d) Based on the findings of inquiry a show-cause notice will be served on the accused keeping in view the principles of natural justice.
- e) During any inquiry the delinquent is not entitled to engage a lawyer.

RECRUITMENT POLICY

The Head of the Department will put up the requirement for his/her respective department to the Management through Principal during the semester taking into account subject- wise teaching load calculation, and student-teacher ratio as per AICTE/NBA guidelines.

The Management then determines in consultation with Principal, whether the vacancy is to be filled through in-house staff selection or a new employee has to be selected. Regular vacancies shall be filled up through open advertisement in various newspapers only.

Minimum Qualification for Recruitments:

Minimum qualification, experience, research contributions, feedback and requisite training requirements for different levels for direct recruitment and promotions for the faculty members are as follows.

Qualifications for direct recruitment as an ASSISTANT PROFESSOR

1. Engineering / Technology

B.E. / B. Tech. / B. S. and M. E. / M. Tech. / M. S. or Integrated M. Tech. in relevant branch with first class or equivalent in any one of the degrees.

Qualifications for Faculties in Science and Humanities:

The qualifications for recruitment and promotions for faculty in the disciplines of Basic Sciences, Social Science and Humanities shall be as per the UGC Notification No. F.1- 2/2017(EC/PS) Dated 18th July, 2018 and UGC guidelines issued from time to time.

Note: Candidates who have done Ph.D. after the Bachelor's Degree from institution of National importance with GATE/ GPAT/ CEED shall be eligible for the post of Assistant Professor.

Qualifications for ASSOCIATE PROFESSOR

For Direct Recruitment

1. Ph.D. degree in the relevant field and First class or equivalent at either Bachelor's or Master's level in the relevant branch &
2. At least total 6 research publications in SCI journals / UGC / AICTE approved list of journals. &
3. Minimum of 8 years of experience in teaching / research / industry out of which at least 2 years shall be Post Ph.D. experience.

Qualifications for PROFESSOR:

Direct Recruitment

1. Ph. D. degree in relevant field and First class or equivalent at either Bachelor's or Master's level in the relevant branch. &
2. Minimum of 10 years of experience in teaching / research / industry out of which at least 3 years shall be at a post equivalent to that of an Associate Professor

c. At least 6 research publications at the level of Associate Professor in SCI journals / UGC/ AICTE approved list of journals and at least 2 successful Ph.D. guided as Supervisor / Co- supervisor till the date of eligibility of promotion. (OR)

d. At least 10 research publications at the level of Associate Professor in SCI journals /UGC / AICTE approved list of journals till the date of eligibility of promotion.

PROMOTIONAL POLICY

The College adopts the following steps for PROMOTIONAL PROCESS under Career Advancement Scheme (CAS)/Direct Recruitment for faculty positions:

Notification regarding recruitment of new faculty positions in various Departments duly approved by the Governing Body shall be published in two reputed News Papers of which, at least one should be an English National daily. A copy of the same shall be placed on the College website and collects the Requisitions from external faculty. In the case of CAS,an internal circular directing the faculty to apply for promotion along with the format is to be circulated.

For Direct Recruitment for promotion - after the Scrutiny of applications based on the eligibility criteria and depending on the number of eligible applicants, if necessary, a screening test may be conducted and the shortlisted candidates in the ratio of 1:4 shall be called for interview in the form of call letter either by post or by email. The responsibility of verification of eligibility of the applied candidates as per AICTE/PCI norms solely lies with the College.

In case all the shortlisted applicants for the post of Assistant/Associate Professors/Professors are previously selected through a duly constituted Selection Committee (with University nominee) and working in the same post and same Department in any institution under JNTUH, the college recruits such faculty through CAS.

C. Minutes of the meetings and action-taken reports (3)
Governing Body Minutes of Meeting



**G.NARAYANAMMA INSTITUTE OF TECHNOLOGY & SCIENCE
AUTONOMOUS FOR WOMEN
SHAIKPET, HYDERABAD – 500 104**

**Minutes of the 28th meeting of the Governing Council & 6th meeting after
Autonomous held on 26-12-2023 at 10.30 am in blended mode at GNITS
conference hall**

Members Present:

S.No.	Members Present	
1	Sri G.Raghava Reddy, Chairman, GNITS	Chairman
2	Smt.G.Sri Vidya Reddy, Vice Chairperson, GNITS	Member
3	Prof.G.Gopal Reddy, Pro-VC, Mahatma Gandhi Central University, Bihar	Member
4	Smt.P.Kiranmai, Corporate VP, HR, UPS India Technology Center	Member
5	Dr.K.Rama, Former Adviser, NAAC, Bangalore	UGC Nominee
6	Dr.V.Venkateswara Reddy, Professor, Civil Engineering, JNTUH UCESTH	University Nominee
7	Mr.G.Giribabu, Dy.Director, Commissioner of Tech. Education	State Government Nominee
8	Dr.K.Ramalinga Reddy, Professor, ETM & Dean, Academics	Member
9	Dr.M.Seetha, Professor, CSE & Dean, R & D	Member
10	Dr.K.Ramesh Reddy, Principal, GNITS	Member Secretary

Leave of Absence:

1. Sri P.Subba Reddy, Trustee, GPRCT – Member

Introduction:

Sri G.Raghava Reddy, Chairman of the Governing Council of G.Narayanamma Institute of Technology & Science, for women, Autonomous chaired the meeting and initiated the proceedings with a warm welcome to all the members and requested Dr.K.Ramesh Reddy, Principal to preside over the meeting as per the agenda.

Dr.K.Ramesh Reddy, Principal & Member Secretary, Governing Council started the proceedings of the meeting by welcoming all the members.

Page | 1

Item No.1 : Review and approval of the minutes of the previous meeting held on 21-12-2022.

Minutes of the 27th meeting of the Governing Council of GNITS held on 21-12-2022 and action taken report were presented by the Principal.

All the members confirmed the previous Governing Council meeting minutes.

Item No.2: Principal's Report.

The principal briefed the activities and achievements of the institution since last Governing Council meeting:

1. Academic Approvals by AICTE & JNTUH
 - a. AICTE Approval for the academic year 2023-24 vide South-Central/1-38666439755/2023/EOA Date: 10/06/2023
 - b. JNTUH Affiliation for the academic year 2023-24 from JNTUH, Hyderabad vide Lr.No.JNTUH/NAAC/Affili./25/2023-24 Dt.21-8-2023 & Dt.02-11-2023
2. NBA accredited 4 UG programs ECE, CSE, EEE & IT till 30-06-2024. Preparation for submission of NBA Application has been initiated under Tier -I for accreditation of 5 UG programs ECE, CSE, EEE, IT & ETE to submit in the month of April, 2023. 4 PG programs in DECE, CNIS, CSE & PEED up to 30/06/2025
3. Submission of NAAC SSR on 11-10-2023 for re-accreditation
4. Awards & Recognitions acquired by the institute: 2 awards
5. Prestigious visits and events conducted in the Institute
6. Admissions of UG & PG courses of GNITS & SoIM for AY 2023-24
7. Staff Details
 - a) Staff appointments (Teaching : 34 & Non Teaching : 26)
 - b) Staff who left the institution (Teaching : 18 & Non Teaching: 7)
8. Staff & Students Achievements
9. Infrastructure, Library (Volumes: 44909 ; Titles : 9606) & Other facilities
10. R & D and Incubation Center activities
11. Sports Achievements
12. Results, Higher Education & Placements details
13. Student Council Elections
14. Alumnae activities

15. Short Term & Long Term Objectives

The members congratulated and appreciated the Management and the staff members for the achievements.

Page | 2

Item No. 3: Ratification of minutes of 6th Academic Council meeting held on 04-11-2023.

The Principal briefed the minutes of 6th Academic Council meeting held on 04-11-2023 in the conference hall, GNITS.

The members noted and ratified the minutes of 6th Academic Council meeting.

Item No.4: Ratification of B.Tech and M.Tech student admissions AY 2023-24.

The Principal presented the details of admissions (99.3%) of B.Tech and M.Tech branch wise and category wise for the AY 2023-24 at I year (894 + 59 (EWS Quota) and II year level (Lateral Entry) (84 + 8(EWS) + 11(filled against 2022 vacancies of EEE). The total student strength of GNITS (UG: 3824; PG:60) & SoIM (31) as on date - year wise was also informed to the members.

The members ratified the B.Tech and M.Tech student admissions for the AY 2023-24.

Item No.5: Approval of admissions made under Foreign Nationals / Gulf quota/ Overseas Citizen of India in AY 2023-24.

The Principal informed the members that we have got approval from AICTE to make admissions in B.Tech under Foreign Nationals / Gulf quota / Overseas Citizen of India from the AY 2023-24. (15% supernumerary seats). 5 students admitted under FN/Gulf quota / OCI; 1 admitted under PMSSS; 1 admitted under CGN.

The members ratified the admissions made in B.Tech under FN/Gulf/OCI for the AY 2023-24.

Item No.6: Approval of proposed increase in intake / addition of new courses in B.Tech from the AY 2024-25.

The Principal proposed the increase in intake in the following courses in B.Tech and to start the New Programme in Management; Course: Business Administration; Degree: Under Graduate in Business Administration (BBA) with an intake of 120 from the academic year 2024-25

S.No.	Course	Current Intake	Proposed Intake
1	Computer Science & Engineering	240	240 + 60 = 300
2	Compute Science & Engineering (Data Science)	60	60 + 60 = 120

The Members approved the proposed increase in intake and Introduction of Off-campus from the AY 2024-25.

Page | 3

Item No.7: Approval of sanctioned posts for the AY 2023-24.

The Principal informed that the present total faculty strength is 239. Professors: 21 (9%), Associate Professors: 26, (10%) and Assistant Professors: 192 (81%). Required faculty student ratio as per AICTE is 1: 20 and existing faculty student ratio is 1: 17.

The members noted and ratified the sanctioned posts for the AY 2023-24.

Item No.8: Ratifications of appointment of Deans and Heads of the Departments.

The Principal informed the members that, to decentralize the work, seven new Dean positions have been created. The existing Heads of the Departments were designated as Deans and Sr. Professors in the departments have been appointed as Heads of the Departments. The names of newly designated seven Deans and seven Heads of the Departments have been presented.

The following former Heads of the Departments / Professors have been designated as **Deans** with effect from 1-7-2023

S.No.	Name	Designation
1	Dr.K.Ramalinga Reddy, Professor ETE	Dean Academics
2	Dr.M.Seetha, Professor, CSE	Dean, R & D
3	Dr.I.Ravi Prakash Reddy, Professor, IT	Dean, Placements & Corporate Relations
4	Dr.B.Venkateshulu, Professor, ECE	Dean, Alumni Relations & Higher Education
5	Dr.N.Malla Reddy, Professor, EEE	Dean, Hostels & Admissions
6	Dr.N.Kalyani, Professor, CSE	Dean – Innovation & Incubation
7	Dr.P.Aparna, Professor, English	Dean- Student Affairs

The following Professors have been designated as **Heads of the Departments** with effect from 1-7-2023

S.No.	Name	Designation
1	Dr.S.Ramacharan, Professor, IT	HOD-IT
2	Dr.A.Sharada, Professor, CSE	HOD-CSE
3	Dr.O.Obulesu, Asst. Prof. CSD	HOD-CSM & CSD
4	Dr.K.Ragini, Professor, ECE	HOD-ECE
5	Dr.P.Ramakrishna Reddy, Professor, EEE	HOD-EEE
6	Dr.Rajkumar L. Biradar, Professor, ETE	HOD-ETE
7	Dr.M.Madhavi Lata, Assoc. Professor, Mathematics	HOD-Humanities & Mathematics

The members noted and ratified the appointment of Deans & Heads of the Departments.

Item No.9: Approval of staff recruitments & JNTUH ratifications since last meeting

The Principal presented the details of faculty (239) and non-teaching staff (143) branch wise & cadre wise. JNTUH ratifications (13) during the AY 2023-24.

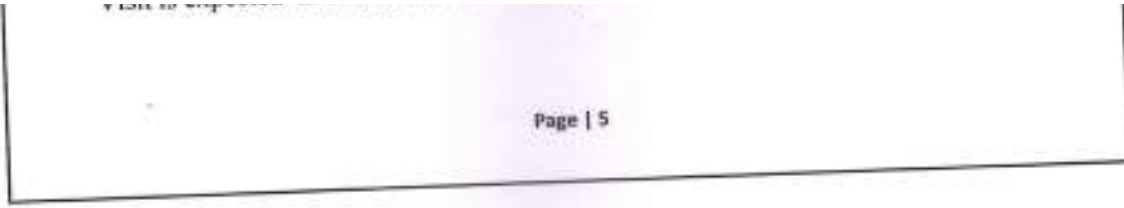
Staff appointments made since the last meeting of the Governing council –
Teaching & Non Teaching - **Teaching - 34; Non-Teaching - 26**

Staff who left the institution since the last meeting of the Governing council –
Teaching & Non Teaching - **Teaching - 18; Non-Teaching - 7**

The members noted and approved the staff recruitments & JNTUH ratifications in the AY 2023-24.

Item No.10: Ratification of SSR submitted to NAAC for accreditation.

The Principal informed the members that as per NAAC regulations the institution can submit NAAC SSR after graduation of two autonomous batches. So, NAAC SSR was submitted on 11th October, 2023 for re-accreditation and change of grade. DVV clarifications raised have been submitted on 29th November, 2023. Pre-qualifiers of SSR were accepted on 12th December, 2023. NAAC Peer Team Visit is expected in the months of February / March, 2024.



The Members have noted and ratified the SSR submitted to NAAC and they anticipated that GNITS with excellent infrastructure and man power can achieve A++ grade.

Dr.K.Rama made the following suggestions with respect to NAAC

- 1) To calculate publications per teacher. H- index and Citation Index is reflected in the benchmark.
- 2) Advised to be very calculative, understand the process, review the bench marks which are disclosed.
- 3) The back end data comparison is done between earlier grade and present data submitted by the institution. She informed to be more cautious while presenting the data to NAAC peer team.

She advised to focus more on NIRF ranking as it is gaining more momentum in terms of publication quality and admissions especially in engineering colleges. In this case, Q1, Q2 journal quality is reflected. Top 25 journals should come under Q1.

She appreciated for the drastic all round improvement in the activities and good achievements by the college.

Item No. 11: Review of R & D Activities.

The Principal presented the following R & D activities

- a) Total faculty with Ph.D : 75
- b) Faculty submitted Ph.D. thesis : 5
- c) Faculty pursuing Ph.D.'s : 86
- d) No. of research scholars guided by our professors : 37
- e) Papers published by staff-department wise : Journals : 195; Conferences : 88
SCI/SCOPUS/WoS Journals: 58 Peer reviewed / Indexed Journals: 177
- f) Books published : 312
- g) Workshops/Conferences/Seminars/Training programmes attended by Staff :
National: 262; International : 34
- h) Workshops / Conferences / Seminars / Training programmes conducted
National: 51; International: 3
- i) Funds received : Rs.2,20,80,729/- since inception & 65,22,924/- AY 2023-24
- j) Patents : Total : 44 (Granted: 8; Published: 36) ; 48 - submitted for publication
- k) Active Memorandum of Understandings – 39

The members reviewed the improvement in R & D activities.

Page | 6

Mrs P.Kiranmai appreciated the research capability of faculty of EEE department and advised to focus on other industry ship activities like alternate energy segment and electric vehicles to improve the department on par with other departments with respect to faculty and student achievements. Patents are worth mentioning under staff achievements.

In this regard, Dr.M.Seetha, Dean, R & D, informed the members that we are initiating MOU with RICH which is looking into sustainability and e-vehicles. Department of EEE is coming forward actively and has signed 3 MOUs in energy sector. She assured that we are on the direction of making collaborations with related companies and increase activities in future and motivate faculty and students for more number of achievements for the benefit of the institution.

Members appreciated the same

Item No. 12: Review of Incubation Centre Activities.

The principal presented the activities of Innovation and Incubation cell and 9 start ups identified under AIC-GNITS.

Dr.K.Rama suggested to keep updated about the AICTE regulations as the council is planning to make Innovation Cell mandatory in curriculum for each student to participate in the activities for all the engineering colleges and appreciated GNITS for establishing Innovation and Incubation Cell.

Mrs P.Kiranmai mentioned about an institute called FOUNDERS which operates from IIT, Hyderabad. They give training about how to create an enterprise by industry entrepreneurs. This can be considered for initial few start ups. She also said about Succeed Innovation Fund which is doing phenomenal job during the last few years. Lot of start ups come in make a pitch in this fund. It is one among the top 20 in the country today. It is a SEBI regulated fund bringing in people at an early seed capital stage. She suggested to get associated with these and bring in some of the start up founders of GNITS who are into AI related, ATAL innovation etc.,

The members reviewed the activities of Innovation & Incubation Cell and appreciated.

Item No.13 : Review of infrastructure & other facilities.

The Principal informed the members that the total exiting built up area is 26563 Sq.Mts. and construction of two blocks - Incubation & Innovation block with 3981 Sq.Mts. The Vice chairperson informed the members that the Innovation block is expected to be completed by March, 2024 and New Academic block with a built up area 17772 Sq.Mts. expected to be completed by August, 2024. The total built up area after completion of new blocks will be 48,316 Sq.Mts. (80%) of the area is being added to the present existing area.

Other facilities like library, IT infrastructure, Power back up have also been updated to the members.

The members noted and appreciated the Management for the initiative to increase the built up area as per requirements.

Item No.14 : Review of Results, Higher Studies & Placements.

The Principal presented a) Results analysis of both B.Tech & M.Tech (all years) b) The activities conducted for encouraging students for pursuing higher education and number of students who have opted for higher education from last five academic years c) Placement details of 2023 graduated batch (86.85%) and 2024 graduating batch (46.92% placed till date) and companies offering placements to GNITS d) Internships – 2023.

The members have suggested the following:-

Dr.K.Rama suggested to make thorough analysis of results which may impact placements. Early intervention and remedial measures may be taken for better performance by the students.

Mrs P. Kiranmai advised to motivate students to acquire job skills with regard to premium tools like Salesforce, Servicenow and an enterprise resource management tool called workday. The students who work on the above tools are paid very high in the market.

She advised to explore the companies like E&Y, DBS & AMD who are expanding and financial majors like Thompson and Reuters and S & P.

EEE students may be exposed to Scandinavian countries like Norway, Iceland etc., which are doing well in sustainability measures, alternate energy research.

Page | 8

Item No.15 : Review of Student Council elections.

The Principal informed about the new initiative in GNITS i.e. the conduct of Student Council elections. The main motto is to involve the students in administrative activities of GNITS.

The elected Student Council for AY 2023-24 has been approved by the members.

Item No.16 : Review of Sports Activities.

The Principal briefed about the sports activities and achievements by GNITS. He informed that as part of Ek Bharat Shreshth Bharat initiative by the Government of India 2 staff members Dr.MVL Surya Kumari, Physical Directress and Mrs Bhageswari Ratkal, Asst. Prof. CSE and seven students visited BHU, Varanasi, Uttar Pradesh. They met Padma Awardees and were inspired.

The members reviewed the sports activities and appreciated the 5P's - Paryatan (Tourism), Parampara (Traditions), Pragati (Development), Paraspar Sampark (People-to-people connect), and Prodyogik (Technology) acquired by the students.

Item No.17 : Review of Alumnae Activities.

The Principal presented the Alumnae activities conducted during AY 2023-24 and about the Bengaluru Alumnae meet held on 09-12-2023. Planning to conduct 2024 Alumnae meet in USA. Informed that the alumnae data base and the revenue generated has been increased from past 6 months.

The members made the following suggestions:-

- 1) **Prominent Senior Alumnae who are active and devote their time may be identified and nominated as Governing Body member and involve them in administrative activities of the college.**
- 2) **Successful Alumnae may be invited as Chief Guests / Guests of Honour for the college events.**
- 3) **Alumnae leadership may be encouraged to tap funds for the infrastructure development of the college**
- 4) **From 2026 onwards, plan to celebrate Silver Jubilee from 2001 graduated batch onwards. The initiation for this may be started from this year. Pull some active alumnae from each batch and conduct meetings, so that they can pool more benefits for the institution on their name or batch name as**

majority of them may be well served by ...
5) The faculty when they visit foreign countries may try to meet Alumnae
and encourage them for active participation.

Page | 9

Item No.18 : Approval of Budget estimates for 2023-24.

The Budget estimates for the financial year 2023-24 were presented by the Principal. An amount of Rs.2,35,08,120/- has been sanctioned towards budget for 2023-24 by the Management to various departments.

The members approved the Budget estimates for AY 2023-24.

Item No.19 : Approval of audited statement of accounts for the financial year 2022-23.

The Principal explained the Audited Statement of Accounts for the financial year 2022-23.

INCOME (IN LAKHS)	EXPENDITURE (IN LAKHS)
4238.40	4561.09

❖ RECURRING EXPENDITURE	-	3544.20 (83.62%)
❖ NON RECURRING EXPENDITUE	-	1016.88 (23.99%)
❖ SALARIES	-	2795.72 (65.96%)
TEACHING STAFF	-	2161.98 (77.33%)
NON – TEACHING STAFF	-	633.73 (22.67%)

The members approved the Audit Report of the financial year 2022-23

Item No.20: Any other matter**i) Approval of B.Tech Minor Degree & B.Tech Honors Programs.**

The Principal informed that JNTUH has given approval to offer B.Tech. Honors and B.Tech Minor Degree Programs at III year I Semester from the AY 2022-23. Around 45 students from the branches of EEE, ECE and ETE have opted and they are awarded minor degree along with major degree from 2024 graduating batch.

The Members approved the B.Tech Minor Degree and B.Tech honors Programs.

i a) The strategic plan from 2023-24 to 2027-28 has been discussed and approved by the members.

Page | 10

ii) **Approval of Relaxation of Credits for the students promoted from AY 2022-23 to AY 2023-24**

The Principal informed the members that the credits have been relaxed and grace marks have been added as per instructions of JNTUH for promotion of students from AY 2022-23 to AY 2023-24.

The Members approved the Relaxation of Credits for student promotions.

iii) The Principal informed the members that IPR Policy and Innovation & Startup Policy are drafted adopting National Innovation & Startup Policy guidelines and will be in force from the AY 2023-24. This will enable the Innovation & Incubation ecosystem to run smoothly and to mentor students towards entrepreneurship.

The members approved IPR Policy and Innovation Startup Policy from the AY 2023-24.

The Chairman, Vice Chairperson and the Principal conveyed thanks to all the members of the Governing Council for their valuable suggestions and extending support for the successful running of the Institution.



CHAIRMAN

CHAIRMAN
G. Narayanamma Institute of
Technology & Science (for women)
(AUTONOMOUS)
Shaikpet, Hyderabad - 500 104.

Academic Council Minutes of Meeting

College Code : 25

G. NARAYANAMMA INSTITUTE OF TECHNOLOGY & SCIENCE (AUTONOMOUS) (For Women)



(Sponsored by G. Pulla Reddy Charities Trust, Hyderabad)
Accredited by NBA (UG : ECE, EEE, CSE & IT, PG : CSE, CNIS, PEED) & NAAC,
NIRF Ranking 2022: Rank Band in Engineering : 251-300
Approved by AICTE & Affiliated to JNTUH



REF:GNITS/AC/2023

Dt. 31/10/2023

MEETING NOTICE

Sub:- Meeting of the 6th Academic Council of G.Narayanamma Institute of Technology & Science (For Women), Autonomous, Shaikpet, Hyderabad - 500 104 - Reg.

The 6th meeting of the Academic Council of G.Narayanamma Institute of Technology & Science (For women), Autonomous, Shaikpet, Hyderabad - 500 104 is scheduled on 04/11/2023 (Saturday) at 3:00 p.m. at the college campus.

AGENDA

1. To Review last Academic Council Meeting Minutes.
2. To Approve Academic Calendars of A.Y.2023-24
3. To Approve R-22 B.Tech Programme Course Structure & Syllabus for 3rd and 4th Years
4. To Approve Changes in Academic Regulations
5. To Approve Grace marks Provision in R22 UG Programs
6. To Approve Results Processing Committee Formation
7. To Approve One Time Chance Exams
8. To Approve Re-admitted Students Substitute Subjects
9. Implementation of Attendance based Detention and Credit Based Detention from the A.Y.2023-24 inline with JNTUH orders and extending concessions if any as per the JNTUH rules
10. Any other matter

We request you to make it convenient to attend the meeting. You will be paid TA, DA and sitting allowance as per rules in force.

Your confirmation of attendance will be highly appreciated.

MEMBER SECRETARY
ACADEMIC COUNCIL, GNITS

1. Dr.K.Ramesh Reddy, Principal, GNITS, Chairman
2. Dr.M.Madhavi Latha, Sr Prof of ECE, JNTUH UCESITH
3. Dr. O B V Rameshiah, Sr Prof of CSE, JNTUH UCESITH
4. Dr. A Aruna Kumari, Prof. of ME, JNTUH UCESITH
5. Dr.G.Yesuratnam, Prof. OUCOE, Hyderabad
6. Mr B.S.S.Prasad, Delivery Manager, Infosys, Hyderabad
7. Mr Ch.L.lakshman Kumar, Site Head, Quest Diagnostics, Hyderabad
8. Mr K.Raji Reddy, Advocate, Hyderabad
9. Dr.K.Ramalinga Reddy, Dean-Academics & Chairman, BOS, Dept of ETM
10. Dr.M.Secitha, Dean-R&D & Chairman & BOS, Dept of CSE,CSM,CSD
11. Dr.I.Ravi Prakash Reddy, Dean-Placement & Corporate Relations & Chairman, BOS, Dept of IT & CST
12. Dr.B.Venkateshulu, Dean-Alumni Relations & Higher Education & Chairman, BOS, Dept of ECE
13. Dr.N.Mulla Reddy, Dean-Hostels & Admissions & Chairman, BOS, Dept of EEE
14. Dr.P.Aparna, Dean-Student affairs & Chairman, BOS, Dept of I&M
15. Dr.T.Churin Singh, HOD & Chairman, BOS, Dept of BS
16. Dr.G.Annapurma, Coordinator-PG Studies, Prof. of EEE
17. Dr.N.Kalyani, Dean-Innovation & Incubation, Prof. of CSE

- 18. Dr.Rajkumar L.Biradar, Prof & HOD of ETM
- 19. Dr.M.Nagasree, Sr.Asst. Prof. Mathematics, IT & M
- 20. Dr.G.P.Prasada Reddy, Prof. of Mech. Engg. & Controller of Exams, GNITS, Member Secretary


PRINCIPAL
G. Narayanaswami Institute of
Technology & Science (for women)
(AUTONOMOUS)
Shaikpet, Hyderabad - 500 104

8-1-297/2/I, Shaikpet, Hyderabad - 500 104, Telangana
☎: 040-2956 5856 / 2956 7756 E-mail : principal@gnits.ac.in Website : www.gnits.ac.in

College Code : 25
G. NARAYANAMMA INSTITUTE OF TECHNOLOGY & SCIENCE
(AUTONOMOUS) **(For Women)**



(Sponsored by G. Pulla Reddy Charities Trust, Hyderabad)
 Accredited by NBA (UG : ECE, EEE, CSE & IT, PG : CSE, CNIS, PEED, DECE) & NAAC,
 NIRF Ranking 2022: Rank Band in Engineering : 251- 300
 Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad



REF:GNITS/AC/2023

Dt. 04/11/2023

MINUTES OF MEETING

Sub-Minutes of Meeting of the 6th Academic Council of G.Narayanamma Institute of Technology & Science (For Women), Autonomous, Shaikpet, Hyderabad - 500 104 - Reg.

The 6th meeting of the Academic Council of G.Narayanamma Institute of Technology & Science (For women), Autonomous, Shaikpet, Hyderabad - 500 104 was held on 04/11/2023 (Saturday) at 3:00 p.m. at the college campus.

Minutes

1. To Review last Academic Council Meeting Minutes.
2. To Approve Academic Calendars of A.Y.2023-24
3. To Approve R-22 B.Tech. Programme Course Structure & Syllabus for 3rd and 4th Years
4. To Approve Changes in Academic Regulations (R22-UG & PG)
5. To Approve Grace marks Provision in R22 UG Programs
6. To Approve Results Processing Committee Formation
7. To Approve One Time Chance Exams
8. To Approve Re-admitted Students Substitute Subjects
9. Implementation of Attendance based Detention and Credit Based Detention from the A.Y.2023-24 inline with JNTUH orders and extending concessions if any as per the JNTUH rules
10. Any other matter

The following members were Present in the meeting

S.No	Name	Signature
1	Dr.K.Ramesh Reddy, Principal, GNITS, Chairman	
2	Dr.M.Madhavi Latha, Sr Prof of ECE, JNTUH UCESITH	
3	Dr. O B V Ramaiah, Sr Prof of CSE, JNTUH UCESITH	
4	Dr. A Aruna Kumari, Prof. of ME, JNTUH UCESITH	
5	Dr.G.Yesurathnam, Prof. OUCOE, Hyderabad	
6	Mr B.S.S.Prasad, Delivery Manager, Infosys, Hyderabad	
7	Mr Ch.Lakshman Kumar, Site Head, Quest Diagnostics, Hyderabad	
8	Mr K.Raji Reddy, Advocate, Hyderabad	
9	Dr.K.Rasmaliga Reddy, Dean-Academics & Chairman, BOS, Dept of ETM	
10	Dr.M.Seetha, Dean-R&D & Chairman, BOS, Dept of CSE	
11	Dr.L.Ravi Prakash Reddy, Dean-Placement, & Chairman, BOS, Dept of IT	
12	Dr.B.Venkateshulu, Dean-Alumni & Higher Studies & Chairman, BOS, Dept of ECE	
13	Dr.N.Malla Reddy, Dean Hostels & Admissions & Chairman, BOS, Dept of EEE	
14	Dr.P.Aparna, Dean-Student affairs & Chairman, BOS, Dept of H&M	
15	Dr.T.Charan Singh, HOD & Chairman, BOS, Dept of BS	
16	Dr.G.Annapurna, Prof. of EEE	
17	Dr.N.Kalyani, Prof. of CSE	
18	Dr.Rajkumar L.Biradar, Prof. of IIM	
19	Dr.M.Nageswari, Sr.Assi. Prof. Mathematics, H & M	
20	Dr.G.P.Prasada Reddy, Prof. of Mech. Engg. & Controller of Exams, GNITS, Member Secretary	



PRINCIPAL
G. Narayanamma Institute of
Technology & Science (for women)
(AUTONOMOUS)
Shaikpet, Hyderabad - 500 104


MEMBER SECRETARY, ACADEMIC COUNCIL, GNITS

8-1-297/2/I, Shaikpet, Hyderabad - 500 104, Telangana
Q: 040-2956 5856 / 2956 7756 E-mail : principal@gnits.ac.in Website : www.gnits.ac.in

College Code : 25
G. NARAYANAMMA INSTITUTE OF TECHNOLOGY & SCIENCE
(AUTONOMOUS) **(For Women)**



(Sponsored by G. Pulla Reddy Charities Trust, Hyderabad)
 Accredited by NBA (UG : ECE, EEE, CSE & IT, PG : CSE, CNIS, PEED, DECE) & NAAC,
 NIRF Ranking 2022: Rank Band in Engineering : 251- 300
 Approved by AJCTE, New Delhi & Affiliated to JNTUH, Hyderabad



MINUTES OF THE MEETING OF 6TH Academic Council held on November 04TH, 2023
 from 3.00 P.M to 5.00 PM.

MEMBER PRESENT

S.NO	Name and designation
1	Dr.K.Ramesh Reddy, Principal, GNITS, Chairman
2	Dr.M.Madhavi Latha, Sr Prof of ECE, JNTUH UCESTH
3	Dr. O B V Ramanalah, Sr Prof of CSE, JNTUH UCESTH
4	Dr. A Aruna Kumari, Prof. of ME, JNTUH UCESTH
5	Dr.G.Yesuratnam, Prof. OUCOE, Hyderabad
6	Mr B.S.S.Prasad, Delivery Manager, Infosys, Hyderabad
7	Mr Ch.Lakshman Kumar, Site Head, Quest Diagnostics, Hyderabad
8	Mr K.Raji Reddy, Advocate, Hyderabad
9	Dr.K.Ramalinga Reddy, Dean-Academics &Chairman, BOS, Dept of ETM
10	Dr.M.Seetha, Dean-R&D &Chairman, BOS, Dept of CSE
11	Dr.I.Ravi Prakash Reddy,Dean-Placement, & Chairman, BOS, Dept of IT
12	Dr.B.Venkateshulu, Dean-Alumini& Higher Studies & Chairman, BOS, Dept of ECE
13	Dr.N.Malla Reddy, Dean Hostels& Admissions &Chairman, BOS, Dept of EEE
14	Dr.P.Aparna, Dean-Student affairs& Chairman, BOS, Dept of H&M
15	Dr.T.Charan Singh, HOD & Chairman, BOS, Dept of BS
16	Dr.G.Annapurna, Coordinator-PG Studies , Prof. of EEE
17	Dr.N.Kalyani, Dean-Innovation & Incubation , Prof. of CSE
18	Dr.Rajkumar L.Biradar, Prof & HOD of ETM
19	Dr.M.Nagasree, Sr.Assi. Prof. Mathematics, H & M
20	Dr.G.P.Prasada Reddy, Prof. of Mech. Engg.,& Controller of Exams, GNITS, Member Secretary

Members absent : NIL

Chairman welcomed all the members to the 6th meeting of Academic Council held on November 4th, 2023 at GNITS. Thereafter, formal agenda items were taken up and the following matters were considered, deliberated upon and decisions taken are as under:


PRINCIPAL
G.Narasamma Institute of
Technology & Science (for woman)
(AUTONOMOUS)
Shaikpet, Hyderabad - 500 104

Page 1 of 11

8-1-297/2/I, Shaikpet, Hyderabad - 500 104, Telangana
☎: 040-2956 5856 / 2956 7756 E-mail : principal@gnits.ac.in Website : www.gnits.ac.in

College Code : 25
G. NARAYANAMMA INSTITUTE OF TECHNOLOGY & SCIENCE
(AUTONOMOUS) **(For Women)**



(Sponsored by G. Pulla Reddy Charities Trust, Hyderabad)
 Accredited by NBA (UG : ECE, EEE, CSE & IT, PG : CSE, CNIS, PEED, DECE) & NAAC,
 NIRF Ranking 2022: Rank Band in Engineering : 251- 300
 Approved by AJCTE, New Delhi & Affiliated to JNTUH, Hyderabad



MINUTES OF THE MEETING OF 6TH Academic Council held on November 04TH, 2023
 from 3.00 P.M to 5.00 PM.

MEMBER PRESENT

S.NO	Name and designation
1	Dr.K.Ramesh Reddy, Principal, GNITS, Chairman
2	Dr.M.Madhavi Latha, Sr Prof of ECE, JNTUH UCESTH
3	Dr. O B V Ramanalah, Sr Prof of CSE, JNTUH UCESTH
4	Dr. A Aruna Kumari, Prof. of ME, JNTUH UCESTH
5	Dr.G.Yesuratnam, Prof. OUCOE, Hyderabad
6	Mr B.S.S.Prasad, Delivery Manager, Infosys, Hyderabad
7	Mr Ch.Lakshman Kumar, Site Head, Quest Diagnostics, Hyderabad
8	Mr K.Raji Reddy, Advocate, Hyderabad
9	Dr.K.Ramalinga Reddy, Dean-Academics &Chairman, BOS, Dept of ETM
10	Dr.M.Seetha, Dean-R&D &Chairman, BOS, Dept of CSE
11	Dr.I.Ravi Prakash Reddy,Dean-Placement, & Chairman, BOS, Dept of IT
12	Dr.B.Venkateshulu, Dean-Alumini& Higher Studies & Chairman, BOS, Dept of ECE
13	Dr.N.Malla Reddy, Dean Hostels& Admissions &Chairman, BOS, Dept of EEE
14	Dr.P.Aparna, Dean-Student affairs& Chairman, BOS, Dept of H&M
15	Dr.T.Charan Singh, HOD & Chairman, BOS, Dept of BS
16	Dr.G.Annapurna, Coordinator-PG Studies , Prof. of EEE
17	Dr.N.Kalyani, Dean-Innovation & Incubation , Prof. of CSE
18	Dr.Rajkumar L.Biradar, Prof & HOD of ETM
19	Dr.M.Nagasree, Sr.Assi. Prof. Mathematics, H & M
20	Dr.G.P.Prasada Reddy, Prof. of Mech. Engg.,& Controller of Exams, GNITS, Member Secretary

Members absent : NIL

Chairman welcomed all the members to the 6th meeting of Academic Council held on November 4th, 2023 at GNITS. Thereafter, formal agenda items were taken up and the following matters were considered, deliberated upon and decisions taken are as under:


PRINCIPAL
G.Narasamma Institute of
Technology & Science (for woman)
(AUTONOMOUS)
Shaikpet, Hyderabad - 500 104

Page 1 of 11

8-1-297/2/I, Shaikpet, Hyderabad - 500 104, Telangana
☎: 040-2956 5856 / 2956 7756 E-mail : principal@gnits.ac.in Website : www.gnits.ac.in

6.1 Review of last Academic Council meeting minutes.

- Principal presented about the previous academic council minutes.

6.2 Academic calendars of B.Tech and M.Tech Programmes for the Academic year 2023-2024

- Academic Calendars of B.Tech I,II,III and IV year programmes and M.Tech I and II year were presented before the Council for Approval.
- Council approved the academic calendars for the B.Tech(4 Years) and M.Tech(2 Years) programmes for the academic year 2023-2024.

ACADEMIC CALENDAR (2023-2024)**IV B. Tech-I Sem**

Commencement of 1 st Semester Class Work	10-07-2023
1 st Spell of Instructions	10-07-2023 To 02-09-2023 (8 Weeks)
First Mid Term Examinations	04-09-2023 To 09-09-2023 (1 Week)
2 nd Spell of Instructions (Including Dussehra Recess)	11-09-2023 To 11-11-2023 (9 Weeks)
Dussehra Holidays	22-10-2023 To 28-10-2023(1 Week)
Second Mid Term Examinations	13-11-2023 To 18-11-2023 (1 Week)
Preparation & Practical Examinations	20-11-2023 To 25-11-2023 (1 Week)
End Semester Examinations	28-11-2023 To 09-12-2023 (2 Weeks)

No of Working days: 90

IV B. Tech-II Sem

Commencement of 2nd Semester Class Work	18-12-2023
1 st Spell of Instructions	18-12-2023 TO 10-02-2024 (8 Weeks)
First Mid Term Examinations	12-02-2024 TO 17-02-2024 (1 Week)
2 nd Spell of Instructions	19-02-2024 TO 20-04-2024 (9 Weeks)
Second Mid Term Examinations	22-04-2024 TO 28-04-2024 (1 Week)
Preparation & Practical Examinations	29-04-2024 TO 04-05-2024 (1 Week)
End Semester Examinations	06-05-2024 TO 18-05-2024 (2 Weeks)

No of Working days: 90


PRINCIPAL
G. Hanumanamma Institute of
Technology & Science (for women)
[AUTONOMOUS]
Shalipat, Hyderabad - 500 104

Page 2 of 11

ACADEMIC CALENDAR (2023-2024)**III B. Tech-I Sem**

Commencement of 1 st Semester Class Work	31-07-2023
1 st Spell of Instructions	31-07-2023 To 23-09-2023 (8 Weeks)
First Mid Term Examinations	25-09-2023 To 30-09-2023 (1 Week)
2 nd Spell of Instructions (Including Dussehra Recess)	02-10-2023 To 02-12-2023 (9 Weeks)
Dussehra Holidays	22-10-2023 To 28-10-2023(1 Week)
Second Mid Term Examinations	04-12-2023 To 09-12-2023 (1 Week)
Preparation & Practical Examinations	11-12-2023 To 16-12-2023 (1 Week)
End Semester Examinations	18-12-2023 To 30-12-2023 (2 Weeks)

No of Working days: 90

III B. Tech-II Sem

Commencement of 2nd Semester Class Work	02-01-2024
1 st Spell of Instructions	02-01-2024 TO 02-03-2024 (9 Weeks)
First Mid Term Examinations	04-03-2024 TO 09-03-2024 (1 Week)
2 nd Spell of Instructions	11-03-2024 TO 04-05-2024 (8 Weeks)
Second Mid Term Examinations	06-05-2024 TO 11-05-2024 (1 Week)
Preparation & Practical Examinations	13-05-2024 TO 18-05-2024 (1 Week)
End Semester Examinations	20-05-2024 TO 01-06-2024 (2 Weeks)
Commencement of IV B.Tech-I Sem Class work	01-07-2024

No of Working days: 90

II B. Tech-I Sem

Commencement of 1 st Semester Class Work	11-09-2023
1 st Spell of Instructions (Including Dussehra Recess)	11-09-2023 To 11-11-2023 (9 Weeks)
Dussehra Holidays	22-10-2023 To 28-10-2023(1 Week)
First Mid Term Examinations	13-11-2023 To 18-11-2023 (1 Week)
2 nd Spell of Instructions	20-11-2023 To 13-01-2024 (8 Weeks)
Second Mid Term Examinations	17-01-2024 To 21-01-2024 (1 Week)
Preparation & Practical Examinations	22-01-2024 To 27-01-2024 (1 Week)
End Semester Examinations	29-01-2024 To 10-02-2024 (2 Weeks)

No of Working days: 90


PRINCIPAL
G. Narayana Institute of
Technology & Science (for women)
(AUTONOMOUS)
Shaikpet, Hyderabad - 500 104

Page 3 of 11

ACADEMIC CALENDAR (2023-2024)**II B. Tech-II Sem**

Commencement of 2nd Semester Class Work	19-02-2024
1 st Spell of Instructions	19-02-2024 TO 13-04-2024 (8 Weeks)
First Mid Term Examinations	15-04-2024 TO 20-04-2024 (1 Week)
2 nd Spell of Instructions(Including Summer Vacation)	22-04-2024 TO 06-07-2024 (11 Weeks)
Summer Vacation	13-05-2024 To 25-05-2024 (2 Weeks)
Second Mid Term Examinations	08-07-2024 TO 13-07-2024 (1 Week)
Preparation & Practical Examinations	15-07-2024 TO 20-07-2024 (1 Week)
End Semester Examinations	22-07-2024 TO 03-08-2024 (2 Weeks)
Commencement of Class for III Year I Sem	12-08-2024

No of Working days: 90

I B. Tech- I Sem (2023-2024)

Commencement of 1st Semester Class Work	28-08-2023
Induction Programme	28-08-2023 to 09-09-2023 (2 Weeks)
1 st Spell of Instructions (Including Dussehra Recess)	11-09-2023 To 11-11-2023 (9 Weeks)
Dussehra Holidays	22-10-2023 To 28-10-2023(1 Week)
First Mid Term Examinations	13-11-2023 To 18-11-2023 (1 Week)
2 nd Spell of Instructions	20-11-2023 To 13-01-2024 (8 Weeks)
Second Mid Term Examinations	17-01-2024 To 21-01-2024 (1 Week)
Preparation & Practical Examinations	22-01-2024 To 27-01-2024 (1 Week)
End Semester Examinations	29-01-2024 To 10-02-2024 (2 Weeks)

No of Working days: 90

I B. Tech- II Sem (2023-2024)

Commencement of 2nd Semester Class Work	19-02-2024
1 st Spell of Instructions	19-02-2024 TO 13-04-2024 (8 Weeks)
First Mid Term Examinations	15-04-2024 TO 20-04-2024 (1 Week)
2 nd Spell of Instructions(Including Summer Vacation)	22-04-2024 TO 06-07-2024 (11 Weeks)
Summer Vacation	13-05-2024 To 25-05-2024 (2 Weeks)
Second Mid Term Examinations	08-07-2024 TO 13-07-2024 (1 Week)
Preparation & Practical Examinations	15-07-2024 TO 20-07-2024 (1 Week)
End Semester Examinations	22-07-2024 TO 03-08-2024 (2 Weeks)
Commencement of Class for II Year I Sem	12-08-2024

No of Working days: 90



Page 4 of 11

Academic Calendar 2023-24**M. Tech I Year – I Semester**

Commencement of 1 st Semester Class Work	09-10-2023
1 st Spell of Instructions (Including Dussehra Recess)	09-10-2023 To 09-12-2023 (9 Weeks)
Dussehra Holidays	22-10-2023 To 28-10-2023(1 Week)
First Mid Term Examinations	11-12-2023 To 16-12-2023 (1 Week)
2 nd Spell of Instructions	18-12-2023 To 17-02-2024 (9 Weeks)
Second Mid Term Examinations	19-02-2024 To 24-02-2024 (1 Week)
Preparation & Practical Examinations	26-02-2024 To 02-03-2024 (1 Week)
End Semester Examinations	04-03-2024 To 16-03-2024 (2 Weeks)

No of Working days: 90

M. Tech I Year – II Semester

Commencement of 2nd Semester Class Work	18-03-2024
1 st Spell of Instructions	18-03-2024 To 11-05-2024 (8 Weeks)
Summer Vacation	13-05-2024 To 25-05-2024 (2 Weeks)
1 st Spell of Instructions continuation	27-05-2024 To 01-06-2024 (1 Week)
First Mid Term Examinations	03-06-2024 To 08-06-2024
2 nd Spell of Instructions	10-06-2024 To 03-08-2024 (8 Weeks)
Second Mid Term Examinations	05-08-2024 To 10-08-2024 (1 Week)
Preparation & Practical Examinations	12-08-2024 To 17-08-2024 (1 Week)
End Semester Examinations	19-08-2024 To 31-08-2024)
Commencement of II M.Tech-I Sem Class work	09-09-2024

No of Working days: 90

M. Tech II Year – I Semester

Commencement of 1 st Semester Class Work	11-09-2023
1 st Spell of Instructions (Including Dussehra Recess)	11-09-2023 To 11-11-2023 (9 Weeks)
Dussehra Holidays	22-10-2023 To 28-10-2023(1 Week)
First Mid Term Examinations	13-11-2023 To 18-11-2023 (1 Week)
2 nd Spell of Instructions	20-11-2023 To 20-01-2024 (9 Weeks)
Second Mid Term Examinations	22-01-2024 To 27-01-2024 (1 Week)
Preparation & Practical Examinations(Project Phase-1)	29-01-2024 To 03-02-2024 (1 Week)
End Semester Examinations	05-02-2024 To 10-02-2024 (1 Week)

No of Working days: 90


PRINCIPAL
G. Narayanasamma Institute of
Technology & Science (for women)
(AUTONOMOUS)
Shaikpet, Hyderabad - 500 104

Page 5 of 11

Academic Calendar 2023-24
M. Tech II Year – II Semester

Commencement of 2nd Semester Class Work	12-02-2024
First Spell of Project Work Phase-II	12-02-2024 To 20-04-2024 (10 Weeks)
Project Review-IV	22-04-2024 To 27-04-2024 (1 Week)
Second Spell of Project Work Phase-II	29-04-2024 To 20-07-2024 (12 Weeks)
Project Review-V	22-07-2024 To 27-07-2024 (1Week)
Date of Eligibility for Thesis Submission	05-08-2024

Dr Madhavilatha madam suggested to show 90 working days besides 16 weeks of instruction days. Hence academic calendars modified to reflect no of working days also.

6.3 Detailed syllabi of B.Tech.III & IV year programmes under B.Tech. CBCS R22 Academic Regulation for the batches admitted from the academic year 2022-2023 onwards:

> B.Tech. III & IV year Course structures and detailed syllabi of III Year and IV Year of B.Tech the following programmes to be offered under B.Tech. Choice Based Credit System, and R 22 academic regulation for the 2022-2023 admitted from the academic year 2022-2023 were presented before the committee.

1. B.Tech. (Electrical & Electronics Engineering) - (EEE-02)
2. B.Tech. (Electronics & Communication Engineering) - (ECE-04)
3. B.Tech. (Computer Science & Engineering) - (CSE-05)
4. B.Tech. (Information Technology) - (IT-12)
5. B.Tech. (Electronics Telematics Engineering) - (ETE-17)
6. B.Tech. (Computer Science Technology) - (CST-36)
7. B.Tech (Computer Science & Engineering (Artificial Intelligence & Machine Learning) - (CSM-66)
8. B.Tech (Computer Science & Engineering (Data Science) -(CSD-67)

Council approved Course Structure and syllabi of all the courses of the aforementioned B.Tech. III and IV year programmes under B.Tech. R22 Academic regulations.

Council also approved few changes in course structure of B.Tech-R22 , III Year and IV Year which were approved in 5th academic council on 15-11-2022.

6.4 Changes in R22 academic Regulations of B.Tech & M.Tech


For Students who failed to secure minimum marks in Internal Exams:

Principal stated that as JNTUH modified Academic Regulations(Kept in portal with dated

26-10-2023) , GNITS also will implement the changes in re-registration of the students who failed to secure minimum marks in Internal Examinations

A student can re-appear for subjects in a semester:

If the internal marks secured by a student in the Continuous Internal Evaluation marks for 40 (Sum of average of two mid-term examinations consisting of Objective &


PRINCIPAL
G. Narayana Institute of
Technology & Science (for women)
(AUTONOMOUS)
Shukopet, Hyderabad - 500 104

Page 6 of 11

descriptive parts, Average of two Assignments & Subject Viva-voce/PPT/ Poster presentation/ Case Study on a topic in the concerned subject) are less than 35% and failed in those subjects.

They may re-appear for all those subjects registered in that semester in which the student is failed. The student has to re-appear for CIE and SEE as and when offered.

A student must re-register for the failed subject(s) for 40 marks within four weeks of commencement of the classwork in next academic year. His Continuous Internal Evaluation marks for 40 obtained in the previous attempt stand cancelled. The student has to obtain fresh set of marks for 40 allotted for CIE (Sum of average of two mid-term examinations consisting of Objective & descriptive parts, Average of two Assignments & Subject Viva-voce/PPT/ Poster presentation/ Case Study on a topic in the concerned subject). Head of the Dept. will take care of this.

Students need-not attend classes, but they have to re-appear for mid exams and end exams whenever conducted.

Council approved the above modifications in R22 academic regulations of B.Tech & M.Tech

6.5 Provision of Grace Marks:

Principal proposed the provision of Grace Marks to B.Tech in R22 regulations of 0.15 % of Total Marks

Grace Marks –for R22 Regulations

Degree	Total of Max marks	Grace Marks- 0.15 %	Upper Bound marks
B.Tech-Regular (4 Years)	6200	9.30	10
B.Tech-Lateral Entry(3 Years)	4500	6.75	7

Council approved the above grace marks provision

6.6 Results Processing Committee formation:

Principal proposed the formation of Results Processing Committee as per the guidelines given by Director of Evaluation(University Examinations-JNTUH)

Results Processing Committee Members:

S.No	Member	Name
1	JNTUH Nominee	Dr K Sahu Chatrapati –Prof of CSE & ACE
2	Principal	Dr K Ramesh Reddy- Prof in EEE
3	Controller of Examinations	Dr G P Prasada Reddy- Prof in Mech.
4	Add. Controller of Examinations	B V Prasad Babu- Assoc Prof in IT
5	HOD-EEE	Dr P Rama Krishna Reddy
6	HOD-ECF	

7	HOD-CSE	Dr A Sharada
---	---------	--------------

Page 7 of 11


PRINCIPAL
G. Narayanasamma Institute of
Technology & Science (for women)
(AUTONOMOUS)
Sholkpet, Hyderabad - 500 104

8	HOD-IT	Dr S Ramcharan
9	HOD-ETE	Dr Rajkumar Biradar L
10	HOD-CSM&CSD	Dr O Obulesu
11	HOD-HM	Dr M Madhavalatha

Council approved the above Results Processing Committee

6.7 Principal proposed to conduct One Time chance Exams for the students who have completed 10 years in B.Tech and 6 years in M.Tech and still having backlogs, in Dec 2023/Jan 2024.

- Council Agreed to conduct One Time Chance Exams in the Month of Dec 2023/Jan 2024

6.8 Re-admitted Students Substitute subjects approval :

Principal proposed for approval the Substitute subjects of Re-admitted Students:

Few of the students listed below Re-admitted from JNTUH-R16 regulations to GNITS R18 regulations. Some of the subjects repeated, respective BOS chairmen suggested substitute subjects. Council approved the Re-admitted students substitute subjects as listed below.

i) Re-admitted from JNTUH-R16 to GNITS-R18

REPEATED SUBJECTS LIST AND APPROVED SUBJECTS LIST (BY GNITS BOS)

1. 17251A0413 (N.ROHINI)

S.NO	Subjects Repeated	Substitute Subjects Recommended by GNITS-BOS Chair
1	BUSINESS ECONOMICS & FINANCIAL ANALYSIS(134AG)	Microprocessors and Microcontrollers(114BM) of 2-2 GNITS R18
2	CONTROL SYSTEMS(134AM)	Material Science (114BC) of 2-2 GNITS R18

2. 17251A04F0 (YAVAGARI SUPRAJA)

S.NO	Subjects Repeated	Substitute Subjects Recommended by GNITS-BOS Chair
1	BUSINESS ECONOMICS & FINANCIAL ANALYSIS(134AG)	Microprocessors and Microcontrollers(114BM) of 2-2 GNITS R18
2	CONTROL SYSTEMS(134AM)	Material Science (114BC) of 2-2 GNITS R18


PRINCIPAL
G. Narayanaamma Institute of
Technology & Science (for women)
(AUTONOMOUS)
Shailpet, Hyderabad - 500 104

Page 8 of 11

3. 17251A1714(KANDREGULA SADHVIKA)

S.NO	Subjects Repeated	Substitute Subjects Recommended by GNITS-BOS Chair
1	BUSINESS ECONOMICS & FINANCIAL ANALYSIS(134AG)	Material Science (114BC) of 2-2 GNITS R18
2	CONTROL SYSTEMS(134AM)	Microprocessors and Microcontrollers(114BM) of 2-2 GNITS R18

4. 17251A1739(LAKSHMI CHAITRA.P)

S.NO	Subjects Repeated	Substitute Subjects Recommended by GNITS-BOS Chair
1	BUSINESS ECONOMICS & FINANCIAL ANALYSIS(134AG)	Material Science (114BC) of 2-2 GNITS R18
2	CONTROL SYSTEMS(134AM)	Microprocessors and Microcontrollers(114BM) of 2-2 GNITS R18

5. 17251A0218(NEELAM EDIGA BHAVYA SREE)

Subjects Repeated : NIL

6. 16251A1220(KONDAPARTHI AMMULU)

Subjects Repeated : NIL

- ii) Re-admitted from GNITS-R18 to GNITS-R22
 ADDITIONAL SUBJECTS LIST TO MEET R22 AND APPROVED
 SUBJECTS LIST (BY GNITS BOS)
- 1) 21251A0295(B J HADHASA)
 - 2) 21251A02A7(H YOGITHA)
 - a) Design Thinking- 2 Credits
 - b) Data Structures- 3 Credits
 - c) Data Structures Lab-1.5 Credits

Council approved the above additional subjects for Re-admitted students

6.9. Detention based on attendance and credits:

Principal proposed to implement the attendance based detention rules(in A.Y 2023-2024) and credit based detention rules from A.Y 2022-2023 to A.Y 2023-2024 as per the JNTUH academic regulations. If JNTUH extends any concession to students , same



PRINCIPAL

G. Narayanamma Institute of
Technology & Science (for woman)
(AUTONOMOUS)
Shilpuri, Hyderabad - 500 104

Page 9 of 11

concessions will be applicable to GNITS students in attendance and credit based detentions.

JNTUH on 01-11-2023 given concession of credits for promotion from III Year II Sem to IV Year I Sem :

B.Tech. / B.Pharmacy students are permitted to promote from III year II semester to IV year I semester without any credit requirement condition for the Academic Year 2023-24 only.

Similarly if JNTUH extends any concession for other years (From I Year II Sem to II B.Tech-I Sem and II Year II Sem to III Year I Sem), GNITS also will implement the same relaxations in credit based detentions during the A.Y : 2023-2024

Council approved the above relaxations in credit based detentions.

6.10 a) Principal presented Autonomous Results of the Academic year 2022-2023, both B.Tech and M.Tech.

- Council members expressed satisfaction over the results presented.

6.10 b) Principal Presented about the placements of the students in A.Y : 2022-2023 and A.Y: 2023-2024

Council members expressed satisfaction over the placements achieved by GNITS

The meeting concluded with vote of thanks to the Academic Council Members.

6.10 c) Condonation of shortages of attendance during A.Y : 2022-2023

Principal proposed to condone the shortage of attendance (Between 65 % to 74 %) of the students during Academic Year 2022-2023 as per the list given below.

S.No	Course	Year-Sem	No of Students Registered	No of students attendance condoned
1	B.Tech	1-1	884	12
2	B.Tech	1-2	879	62
3	B.Tech	2-1	989	77
4	B.Tech	2-2	984	95
5	B.Tech	3-1	904	74
6	B.Tech	3-2	904	104
7	B.Tech	4-1	729	92
8	B.Tech	4-2	728	72
9	M.Tech	1-1	26	11
10	M.Tech	1-2	24	1
11	M.Tech	2-1	30	15

	Total	7081	615 (8.69 %)
--	-------	------	--------------

Academic Council condoned the shortage of attendance of the students during the A.Y:2022-2023.

6.10 d) Detained in the Year due to shortage of attendance: A. Y : 2022-2023


PRINCIPAL
G. Narayanaamma Institute of
Technology & Science (for women)
(AUTONOMOUS)
Shalipur, Hyderabad - 500 104

Page 10 of 11

Principal informed the council about the students detained due to lack of attendance in the A.Y 2022-2023 as per the list given below.

S.No	Course	Year-Sem	No of Students Registered	No of students attendance condoned
1	B.Tech	1-1	884	4
2	B.Tech	1-2	879	3
3	B.Tech	2-1	989	4
4	B.Tech	2-2	984	3
5	B.Tech	3-1	904	0
6	B.Tech	3-2	904	0
7	B.Tech	4-1	729	1
8	B.Tech	4-2	728	1
9	M.Tech	1-1	26	2
10	M.Tech	1-2	24	0
11	M.Tech	2-1	30	0
		Total	7081	18 (0.25 %)


 PRINCIPAL
 G. Narayanamma Institute of
 Technology & Science (for women)
 (AUTONOMOUS)
 Kakate, Hyderabad - 500 104

10.1.4 Decentralization in working and grievance redressal mechanism (5)

Institute Marks : 5.00

A. Organizational Structure, List of Administrative Committees and Administrative Heads who have been delegated powers for taking administrative decisions (1)

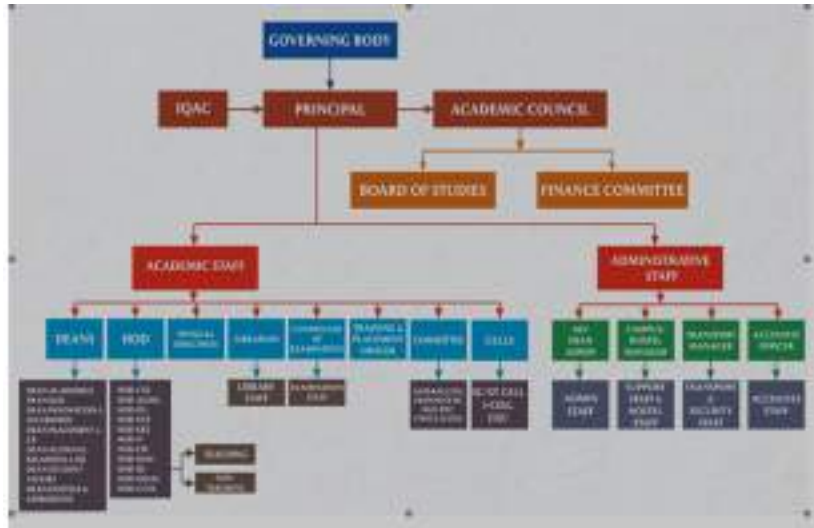


Fig: 10.1.4: Organization Structure

Table B.10.1.4.1. List of faculty members who are administrative/decision makers for various assigned jobs.

S.No	Name	Position & Member of Various committee
1	Dr.K.Ramesh Reddy	Principal –Administration
2	Dr.K.Ramalinga Reddy	Dean Academics
		Governing Body Member
		BoS Chairperson
		NBA Coordinator
3	Dr. M.Seetha	College Academic Committee
		College Academic Council
		Dean-Research & Development
		BoS Chairperson
4	Dr. B.Venkateshulu	Governing Body Member
		College Academic Committee
		College Academic Council
		Dean – Alumni Relations & Higher Education.

5	Dr N Kalyani	Dean – Innovation & Incubation College Academic Committee College Academic Council
6	Dr.N.Malla Reddy	Dean – Hostels & Admissions BoS Chairperson College Academic Committee College Academic Council
7	Dr.I.Ravi Prakash Reddy	Dean – Placements & Corporate Relations Head of Department – Information Technology BoS Chairperson College Academic Committee College Academic Council
8	Dr.P.Aparna	Dean- Student Affairs BoS Chairperson College Academic Committee College Academic Council
9	Dr.Jayashree S Patil	IQAC Co-ordinator
10	Dr. Raj Kumar L Biradar	Head of Department – Electronics & Telematics Eng. College Academic Committee College Academic Council
11	Dr. Sharada Adepu	Head of Department – Computer Science & Engineering College Academic Committee
12	Dr.S.Ramacharan	Head of Department – Information Technology College Academic Committee
13	Dr.P. RamaKrishna Reddy	Head of Department – Electrical & Electronics Eng. College Academic Committee
14	Dr.K.Ragini	Head of Department – Electronics & Communication Eng. College Academic Committee
15	Mr. M.V.Ramana Reddy	Head of Department – Mechanical Engineering BoS Chairperson College Academic Committee Purchase Committee
16	Dr. T.Charan Singh	Head of Department – Basic Sciences BoS Chairperson College Academic Committee College Academic Council
17	Dr.M.Madhavilata	Head of Department – Humanities & Management College Academic Committee

18	Dr.G.P.Prasad Reddy	Controller of Examinations College Academic Committee College Academic Council
19	Mr. T.V.Ram Mohan Reddy	Head of Department – Civil Engineering College Academic Committee
20	Dr.G.Annapurna	College Academic Council PG Coordinator
21	Ms.K.Bharata Lakshmi Devi	Librarian – Central Library Hostel Committee
22	Dr.M.V.L.SuryaKumari	Director – Physical Education
23	Mr Avadhani	Dean -Administrative Officer
24	Mr.P.Venkata Rami Reddy	Accounts Officer
25	Mr.G.N.B.Reddy	Training & Placement Officer
26	Dr P. Sree Sudha	InCharge, Alumni Association
27	Prof. Ch. Ganapathy Reddy	Nodal Officer –Antiragging Committee
28	Mr B.V.Prasad Babu	Addl. Controller of Examinations
29	Dr. K. Syamala Devi	Addl. Controller of Examinations
30	Dr.M.Aparna	Addl. Controller of Examinations
31	Dr.NVSL Narasimham	NSS Coordinator
32	Dr. Alakanandana	Grievance Cell

B. Specify the mechanism and composition of grievance redressal cell (1)

Mechanism of grievance redressal cell

In compliance with AICTE regulations for addressing student grievances in a Technical Institution, GNITS has established a "Students' Grievance Redressal Committee". The Committee aims to redress the grievances lodged by the students with the highest standard of integrity, fairness, and confidentiality. The Committee comprises of staff members in different positions to investigate the nature and extent of grievances. The Committee conducts meetings based on the grievances received, with a minimum of 6 committee members including student representatives, and suggests appropriate actions for redressal. In cases where individuals are unwilling to appear in person, grievances may be submitted in writing in the Suggestion/Complaint boxes installed in every block. Additionally, grievances may be submitted online. The Committee conducts inquiries and analyses the nature and pattern of grievances in order to propose a satisfactory solution.

Objectives of the Students Grievance Redressal Committee:

- To foster a responsive and accountable attitude among all stakeholders.
- To maintain a harmonious educational atmosphere in the institute.
- To support students who have been deprived of services offered by the College, to which they are entitled.
- To ensure effective resolution of students grievances with an impartial and fair approach.
- To uphold the dignity of the College by promoting a strife-free atmosphere through fostering cordial relationships among students and staff.
- Installation of suggestion/complaint boxes in all department blocks where students can anonymously submit grievances and suggestions for improving academics/administration.
- Advising students to respect each others rights and dignity, and to exhibit restraint and patience in times of conflict.
- Advising all staff to show affection towards students and refrain from vindictive behaviour for any reason.

Roles and Responsibilities:

- Processing all individual complaints and taking suitable action as per college norms.
- Forming/reviewing guidelines/policies for grievance redressal as required, in accordance with AICTE regulations.
- Conducting meetings as necessary to discuss relevant issues, in consultation with the Principal.
- Creating organization-wide awareness among stakeholders through awareness programs and displaying grievance registration mechanisms on the website and posters in prominent campus locations.

Mechanism for lodging complaints:

- Students may submit grievances in writing or via email to the respective department committee coordinators.
- Grievances may also be registered online at <https://gnits.almgrievance.com>
- The Students Grievance Redressal Committee will act upon cases forwarded with necessary documents and ensure proper resolution within a stipulated time frame.
- If students are not satisfied with the redressal, they may approach the Ombudsman at JNTUH directly, who will ensure speedy disposal of grievances within one month of receipt.

Exceptions:

- The Students' Grievance Redressal Committee shall not entertain grievances regarding:
- Decisions of the Executive Council, Academic Council, Board of Studies, and other administrative or academic committees constituted by the University.
- Decisions related to scholarships, fee concessions, medals, etc.
- Decisions made by the University regarding disciplinary matters and misconduct.
- University decisions on admissions to courses offered by the Institute.
- Decisions by competent authorities on assessment and examination results.

Table 10.1.4.2 Composition of Students Grievance Redressal Committee Constitution:

S.No	Name	Designation	Dept	Role
1	Dr.K.Ramesh Reddy	Principal	GNITS	Chairman
2	Dr.A.Alakanandana	Assoc.Prof	BS	coordinator
3	Dr.M.Nagasree	Asst.Prof	HM	Member
4	Mrs.Bhageshwari Ratkal	Asst.Prof	CSE	Member
5	Mrs.B.Narmada	Asst.Prof	EEE	Member
6	Dr.A.Naveena	Asst.Prof	ETE	Member
7	Mrs.K.Sridevi	Asst.Prof	IT	Member
8	Mrs.T.Srilatha	Asst.Prof	ECE	Member
9	G.Tanmayi	Student	CSE	Member
10	Yalala Vaishnavi	Student	ECE	Member

11	Namrata	Student	EEE	Member
12	D.Haritha	Student	ETE	Member
13	Naga Shriya Saroj.A	Student	IT	Member

Faculty/Staff Grievance Redressal Committee

All India Council for Technical Education (AICTE) has notified All India Council for Technical Education Regulations, 2021 vide **F. No. 1-103/AICTE/PGRC/Regulation/2021** dated 22nd March, 2021 for establishment of faculty/staff members of grievance redressal mechanism for all AICTE approved Technical Institutions.

As per the above regulation Grievance Redressal Committee (GRC) is formed in the college to address the grievances of the Faculty/Staff Member. The objective of the Grievance Redressal Cell is:

To establish a mechanism that offers opportunities for addressing specific grievances of both currently appointed Faculty/Staff Members in any institution and individuals aspiring to join such institutions.

Table 10.1.4.3 Faculty/Staff Grievance Redressal Committee Constitution:

S.No	Name	Designation	Dept
1	Dr.K.Ramesh Reddy,	Principal	GNITS
2	Dr.A.Alakanandana,	Assoc.Prof	BS
3	Dr.M.Nagasree	Asst.Prof	HM
4	Mrs.Bhageshwari Ratkal,	Asst.Prof	CSE
5	Mrs.B.Narmada,	Asst Prof	EEE
6	Dr.A.Naveena,	Asst.Prof	ETE
7	Mrs.K.Sridevi,	Asst.Prof	IT
8	Mrs.T.Srilatha,	Asst.Prof	ECE

Objectives of Faculty/Staff Grievance Redressal Committee:

- To formulate the policy to investigate and review grievances of staff
- To investigate the causes of the grievances.
- To ensure effectual solution depending upon the gravity of the grievance.
- To take necessary action and implement them by the committee

The aggrieved can approach GRC in following ways:

- Personally approach and give their grievances to the Coordinator or any member of the committee.
- Send a mail to <https://gnits.almagrievance.com>
- Approach Head of the Institution wherein they will be subsequently guided to the GRC committee.
- Use Suggestion boxes installed in various places in the college.
- The details will be kept CONFIDENTIAL.

"Grievance" encompasses complaints lodged by Faculty/Staff Members who feel aggrieved regarding the following service-related matters:

- i. Withholding or refusal to return any documents such as certificates, degrees, diplomas, experience certificates, relieving orders, or any other awards or documents submitted for the purpose of seeking employment in such institutions.
- ii. Non-payment of salaries, wages, benefits, allowances, or other outstanding dues during their tenure or upon retirement/resignation, as applicable.
- iii. Disparities in wages, benefits, and other compensation in comparison to other staff members in similar roles, positions, or levels of experience.
- iv. Termination without providing a reason, notice, or memorandum.
- v. Failure to provide the gratuity amount in accordance with the prevailing government rules upon resignation or retirement.
- vi. Any other liability directly linked to their service that results in financial loss, harm, or trauma.



G. Narayanamma Institute of Technology and Science (for women) AUTONOMOUS
Shaikpet, Hyderabad-104

GNITS	CIR/
Sub: Student Grievance Redressal Cell	Date:22/10/2023

Minutes of the meeting

- Student Grievance Redressal Cell meeting was conducted on 22/10/2023 - 2:00 PM in the Physics Laboratory, Admin Block, III floor.
- Coordinator welcome all members of the cell.
- Reviewed the progress of the cell.
- Co-ordinator briefed about the grievance received from the II/IV ECE-B and IV/IV ECE Students.
- All the members present in the meeting have suggested to request The Principal (Convener of the committee) to constitute a separate enquiry committee to look into the facts.

Members Present:

S.No	Name	Designation	Dept	Signature
1	Dr.K.Ramesh Reddy,	Principal,	GNITS	
2	Dr.A.Alakanandana,	Assoc.Prof,	BS	A. Alaka
3	Dr.M.Nagasree	Asst.Prof,	HM	M. Nagasree
4	Mrs.Bhageshwari Ratkal,	Asst.Prof,	CSE	Bhageshwari
5	Mrs.B.Narmada, Dr. P. Manjula	Asst Prof,	EEE	B.Narmada
6	Dr.A.Naveena,	Asst.Prof,	ETE	A.Naveena
7	Mrs.K.Sridevi,	Asst.Prof,	IT	K.Sridevi
8	Mrs.T.Srilatha,	Asst.Prof,	ECE	T.Srilatha


Grievance Redressal Committee Coordinator
 Dr.A.Alakanandana, Assoc.Prof, BS Dept, GNITS

Pravara
G. Narayanamma Institute of
Technology & Science (for woman)
(AUTONOMOUS)
Shaikpet, Hyderabad - 500 104

C. Sample Action taken report of the Representations for Student Grievance Redressal (3)



G.NARAYANAMMA INSTITUTE OF TECHNOLOGY & SCIENCE
(For Women)
(AUTONOMOUS)
Shaikpet, Hyderabad - 500104

Student Grievance Redressal

A Report on

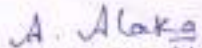
The Grievance received from students


This is a report on the grievance received from some students against their faculty and Counsellor respectively. In their complaint, they have expressed their inconvenience about a teacher's unfriendly behaviour, extending the lab hours way into lunch time leading to students missing their lunch. Further, apparently, she exhibited aggressive behaviour and discouraged students with her words.

The complaint with signatures of all students was forwarded to the Grievance Redressal Cell by the HoD.

During the Grievance Redressal Committee meeting following the complaint, the members suggested requesting the Principal and Convenor, to constitute a separate enquiry committee that can look into the above complaint.

The Principal formed an enquiry committee with 3 senior faculty members. The committee met the concerned students and ascertained the facts of the complaints and recommended issuing of Show-cause notice to the faculty. The committee counselled the faculty to approach students with a positive mindset. The faculty member gave her explanation to the authorities. The faculty forwarded her response to the Show-cause notice to the Principal.


Dr. A. ALAKANANDANA
Coordinator -GRC


PRINCIPAL
G. Narayanamma Institute of
Technology & Science (for women)
(AUTONOMOUS)
Shaikpet, Hyderabad - 500 104







G.NARAYANAMMA INSTITUTE OF TECHNOLOGY & SCIENCE (for Women)
(AUTONOMOUS)
Shaikpet, Hyderabad - 500104

Student Grievance Redressal cell

**A Report on
The theft of Laptop in the College Hostel**

One of the students staying in the college hostel submitted a written complaint of losing her laptop from her hostel room.

Dean Hostels forwarded the complaint letter to the Coordinator of the Grievance Redressal Cell (GRC), on the same day. A meeting of the GRC members was convened immediately and was resolved to request the Principal for constituting an enquiry committee to look into the above complaint.

An enquiry committee was formed with senior faculty members including the Dean Hostels.

After a detailed discussions with the hostel wardens, roommates of the complainant, the committee raised doubts about the involvement of a hosteller from the same wing. A couple of incidents of losing their belongings reported by the roommates especially before the suspect left for her home further added to the suspicion.

The suspect's parents were called to the college to place the observations with them about their ward's behaviour. Her parents expressed concerns about her emotions being disturbed because of the enquiry. Meanwhile a anonymous call was received by the Dean Hostels, requesting the college not to 'trouble' the suspect with any further enquiry on the lost laptop and that the laptop will sent through courier.

The laptop was received by the college through courier service.

A. Alaka
Dr. A. ALAKANANDANA
Coordinator - GRC

[Signature]
PRINCIPAL
G. Narayanamma Institute of
Technology & Science (for women)
(AUTONOMOUS)
Shaikpet, Hyderabad - 500 104



Anti Ragging Cell

Anti-Ragging Cell (ARC) was constituted in 2015 to curb ragging activities in the Institution as per the guidelines given by statutory bodies such as AICTE, UGC, State Government and JNTUH, Hyderabad. A committee was formed with both students and faculty as its members.

Prof Ch. Ganapathy Reddy, Professor, ECE Dept is the coordinator cum nodal officer.

The ARC aims to redress the grievances of students especially first year students. This cell strives to establish a conducive and safe environment in the institution for the freshly admitted students. The complaints received by the students are redressed with mutual consultations and based on the gravity of the complaint. The students are encouraged to file their complaints which are considered by the Anti-Ragging Cell. The meetings will be called by the Co-Ordinator to decide the course of action to be taken depending on the seriousness of the complaint. Table No.10.1.5.3 shows the List of Antiragging Cell members.

Table No.10.1.5.3 Antiragging Cell Members

S. No	Name	Designation	Department	Responsibility
1	Dr. K. Ramesh Reddy	Principal	EEE	Chairman
2	Prof. Ch. Ganapathy Reddy	Professor	ECE	Nodal Officer
3	Mr. V Radhakrishna	Asst. Prof	ECE	Member
4	Mrs V. Divya Raj	Asst. Prof	CSE	Member
5	Mrs. J. Mamatha	Asst. Prof	HM	Member
6	Prof. G. Gopinath	Asst. Prof	EEE	Member
7	Mrs. Ch. Sravanthi	Asst. Prof	IT	Member
8	Mr. Siva Sankar Namani	Asst. Prof	CSE (AI&ML)	Member
9	Mr. Hari Krishna	Asst. Prof	ETM	Member
10	Dr. S. Uday Bhasker	Asst. Prof	BS	Member
11	Ms. N. Hiranmai	Asst. Prof	Mech	Member

Aims & Objectives

- To prevent ragging and drugs in all its forms in GNITS.
- To propose adequate measures to the college authorities to CURB ragging and drugs in the
- To provide a safe and congenial environment for the students by instilling confidence in them.
- To initiate required steps in the Institution as per the instructions received from Director of Technical Education, JNTUH & UGC for their effective implementation.
- To display banners and posters about ill effects of ragging and drugs and the related consequences.
- To provide required guidance and counselling for the needy students.

Functions & Responsibilities

- Awareness creation & spreading.
- Conduction of seminars & events (1 or 2 per year) based on the situation
- Guidance & counselling as and when needed
- Regular monitoring all through the academic year.
- Ease of accessibility
- Public relations
- Immediate response to the complaints

Grievance Redressal mechanism:

I. In case of any ragging or drug incident, the aggrieved can:

1. Approach any member of Anti-Ragging/ Anti-drug Committee or Nodal Officer or any HOD or Principal.
2. Lodge her complaint through grievances drop box placed in all departments.
3. Send an email to nodal officer at arc@gnits.ac.in (mailto:arc@gnits.ac.in).

II. On receipt of a serious complaint related to ragging / drug, the following procedure will be followed:

1. A sub-committee will be formed under the chairmanship of Principal or any another senior faculty member which shall conduct a preliminary enquiry so as to ascertain the facts of the allegations by collecting circumstantial evidences as well as recorded statements of any witness/es including the complainant.
2. The inquiry shall be completed within a period of one week.
3. On completion of the inquiry, the sub-committee shall submit a report of its findings soon after completion of its inquiry.
4. The Principal shall then act upon the recommendations of the sub-committee with an intimation to the parents.

III. What are the possible actions that can be taken against respondent?

1. Oral or written Warning
2. Written apology/undertaking
3. Suspension from classes
4. Dismissal from Institution
5. Any other relevant actions as deemed fit by the committee

Internal Complaints Committee /Sexual harassment Committee/Women Protection cell:

<https://www.gnits.ac.in/gnits-icc/> (<https://www.gnits.ac.in/gnits-icc/>)

The GNITS – Women Protection Cell aims:

- To uphold women's right to protection.
- To create a sense of security and dignity.
- To provide a platform for both students and women staff to address the gender issues related to discrimination, harassment and abuse.
- To organize various programs to disseminate information about gender related laws and rights for intellectual and emotional wellbeing of women.
- To conduct guest lectures, workshops and seminars to evolve right understanding and motivation to empower as better workforce for the nation.
- To encourage healthy interaction and working environment among the students and staff.
- To provide required guidance and counseling for the needy women.

Functions of the cell Internal Complaints Committee (ICC) has been constituted in the college campus for the women faculty & staff and the students and has been functioning in the formal sense from 1st August, 2017 to provide a safe environment for them for a healthy and an enhanced intellectual and professional work culture.

- In pursuance of UGC (Prevention, prohibition and redressal of sexual harassment of women employees and students in higher educational institutions) Regulations, 2015 read with Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013 and in partial modification of Office Order No. 449 dated 05.08.2016, and as per the instructions of the AICTE, GNITS ICC.
- (Internal Complaint Committee) has been constituted to address sexual harassment related complaints.
- The Internal Complaints Committee's major functions entail:
- Forceful implementation of the policies relating to the prevention of sexual harassment.
- Redressal of complaints filed within the scope of the laws, With fairness and without bias .
- Conducting awareness workshops/activities to educate all employees and students of the institute about: o Sexual harassment at workplace, its effects and laws against it o Filing a complaint with the ICC
- Annual report with Summary of the actions of ICC and the complaints filed
- Strive to resolve complaints by the aggrieved complainant, and
- Henceforth, recommend actions to be taken by the employee.

S.No	Name	Designation	Department	Responsibility
1	Dr. K. Ramesh Reddy	Principal	EEE	Chairman
2	Mrs. T. Aparna	Asst. Prof.	IT	Coordinator
3	Mrs. Bhagyasri Marreddy	Sr. Lawyer, Telangana High Court		External Member
4	Dr. P. Aparna	Dean, Student Affairs	HM	Member
5	Mrs. K. Swathi	Asst. Prof.	ECE	Member
6	Mrs. K. Swarna Latha	Asst. Prof.	EEE	Member
7	Mrs. Bhageshwari Ratkal	Asst. Prof.	CSE	Member
8	Mrs. T. Sunitha	Asst. Prof.	ETM	Member
9	Mrs. M. Srivalli	Asst. Prof.	BS	Member
10	Ms. N. Hiranmayi	Asst. Prof	Mech.	Member
11	Dr. M.V. L. Surya Kumari	PD	Sports	Member

Roles & Responsibilities of committee members

General Roles and Responsibilities:

- Dissemination of information and awareness generation (i.e. to create & communicate a detailed policy).
- To constitute a sub- committee at the departmental level comprising of faculty and student members for the welfare of women .
- Ensure that the members are trained in both skill & capacity in striving for an equal, safe and harmonious environment.
- To address and resolve grievances if any, on a timely basis.
- Prepare an annual report of the departmental women welfare activities and submit to the authorities.

The Internal Complaints Committee deals with sexual harassment and gender related issues , which are very sensitive and which need delicate handling. The aggrieved student / employee needs a secure environment where she can put forth her issue or complaint with courage. So it becomes the responsibility of the ICC to create a isolated environment where the complainant can freely express herself.

The aggrieved can approach ICC in following ways :

- Personally approach and give their grievances to the Coordinator or any member of the committee
- Send a mail to gnits.icc@gmail.com / aparna.tanam@gnits.ac.in
- Approach Head of the Institution wherein they will be subsequently guided to the ICC committee
- Use Suggestion boxes installed in various places in the college.

The following facilities are provided for ICC :

- For this purpose , ICC is set up in a separate room, where confidentiality can be maintained fully.
- An ICC cell has been set up in 2nd Floor , F Block.
- A notice board where the information regarding activities of the ICC can be displayed.
- A page on GNITS website through which the ICC can be reached.

On receipt of a complaint related to sexual harassment at work place , the following procedure will be followed:

- The committee members of ICC shall conduct a preliminary enquiry so as to ascertain the truth of the allegations by collecting documentary evidence as well as recording statements of any witness/es including the complainant.
- The inquiry shall be completed within a period of Maximum 90 days from the date of the complaint.
- On completion of the inquiry, the ICC shall provide a report of its findings to the employer within a period of maximum 10 days from the date of completion of inquiry and such report be made available to the concerned parties.
- If the allegations against the respondent are proved, it shall recommend punitive actions to be taken against the respondent to the employer.
- The employer shall act upon the recommendation within sixty days of receiving it.

10.1.5 Delegation of financial powers (5)

Institute Marks : 5.00

A. Financial Powers delegated to the Principal, Heads of Departments and relevant in-charges (2)

Institution should explicitly mention financial powers delegated to the Principal, Heads of Departments and relevant in-charges. Demonstrate the utilization of financial powers for each of the assessment years.

The following are the financial powers delegated to the key members who are at various levels of administrative positions to carry out any regular activities of the Institute/Department.

Designation Financial Power (in Rs.)

Principal Rs. 1,00,000/-
HODs Rs. 25,000/-

A. Demonstrate the utilization of financial powers for each of the assessment years (3)

Evidence for Financial utilization by the Head of the Institute

G.NARAYANAMMA INSTITUTE OF TECHNOLOGY& SCIENCE						
S.B.I.A/c 62012945212 Book						
1-Apr-22 to 31-Mar-23						
Date	Particulars	Vch Type	Vch No.	Debit	Credit	
01-Apr-22	Cr			15362.45		
	Opening Balance					
08-Apr-22	Cr	Payment	50		800.00	
	Fuction Expenses A/c					
	Fines & Penalties A/c				988.00 Cr	
	ID Cards A/c				206.00 Cr	
27-Apr-22	Cr	Receipt	49	1390.00		
	(as per details)					
	Fines & Penalties A/c				1194.00 Cr	
	ID Cards A/c				206.00 Cr	
28-Apr-22	Cr	Receipt	52	690.00		
	(as per details)					
	Fines & Penalties A/c				528.00 Cr	
	Bonafide Certificates A/c				78.00 Cr	
28-Apr-22	Cr	Receipt	55	450.00		
	Transcripts A/c					
28-Apr-22	Cr	Receipt	51	320.00		
	(as per details)					
	Duplicate Mems Fee A/c				300.00 Cr	
	Bonafide Certificates A/c				78.00 Cr	
	Fines & Penalties A/c				568.00 Cr	
28-Apr-22	Cr	Receipt	54	50.00		
	Transcripts A/c					
28-Apr-22	Cr	Receipt	51	1830.00		
	(as per details)					
	Fines & Penalties A/c				678.00 Cr	
	Bonafide Certificates A/c				168.00 Cr	
29-Mar-23	Cr	Receipt	1190	168.00		
	(as per details)					
	Fines & Penalties A/c				128.00 Cr	
	Bonafide Certificates A/c				48.00 Cr	
29-Mar-23	Cr	Receipt	1181	5000.00		
	Student & Staff Awards A/c					
29-Mar-23	Cr	Payment	3523		5000.00	
	Sports Events A/c					
29-Mar-23	Cr	Receipt	1184	3969.00		
	(as per details)					
	Accounting Fees				3000.00 Cr	
	Sale of Record Books A/c				589.00 Cr	
	ID Cards A/c				289.00 Cr	
	Bonafide Certificates A/c				48.00 Cr	
	Fines & Penalties A/c				228.00 Cr	
31-Mar-23	Cr	Payment	3533		3365.00	
	SAC A/c					
31-Mar-23	Cr	Payment	3543		1936.00	
	ICE Lab Maintained A/c					
31-Mar-23	Cr	Receipt	1187	5859.00		
	(as per details)					
	Accounting Fees				5000.00 Cr	
	Bonafide Certificates A/c				48.00 Cr	
	Fines & Penalties A/c				818.00 Cr	
31-Mar-23	Cr	Receipt	1188	11812.00		
	Advance to P.Hama Krishna Reddy, Prof. EEE					
				6307489.45	6237712.72	
	Dr					60776.73
	Closing Balance			6307489.45	6307489.45	

Fig 10.1.5.1: Evidence for Financial Delegation by the Head of the Institution

Evidence for Financial utilization by the Head of the Department

To: The Principal
2024

Subject: Approved Budget - STM Department - Dept.

Date	Item Purchased	Amount (Rs.)
24-07-2023	Office (A/C) Billboards	4000
24-08-2023	Office Expenses	400
24-09-2023	Office Printing / (A/C)	200
24-10-2023	Office Printing / (A/C)	400
24-11-2023	Office Stationery, Postage, etc.	1000
24-12-2023	Postage, office stationery	1000
25-01-2024	Post (A/C)	1000
25-02-2024	Office Stationery	1000
25-03-2024	Office Printing / (A/C)	1000
25-04-2024	Office Printing / (A/C)	1000
25-05-2024	Office Printing / (A/C)	1000
25-06-2024	Office Printing / (A/C)	1000
25-07-2024	Office Printing / (A/C)	1000
25-08-2024	Office Printing / (A/C)	1000
25-09-2024	Office Printing / (A/C)	1000
25-10-2024	Office Printing / (A/C)	1000
25-11-2024	Office Printing / (A/C)	1000
25-12-2024	Office Printing / (A/C)	1000
26-01-2025	Office Printing / (A/C)	1000
26-02-2025	Office Printing / (A/C)	1000
26-03-2025	Office Printing / (A/C)	1000
26-04-2025	Office Printing / (A/C)	1000
26-05-2025	Office Printing / (A/C)	1000
26-06-2025	Office Printing / (A/C)	1000
26-07-2025	Office Printing / (A/C)	1000
26-08-2025	Office Printing / (A/C)	1000
26-09-2025	Office Printing / (A/C)	1000
26-10-2025	Office Printing / (A/C)	1000
26-11-2025	Office Printing / (A/C)	1000
26-12-2025	Office Printing / (A/C)	1000
27-01-2026	Office Printing / (A/C)	1000
27-02-2026	Office Printing / (A/C)	1000
27-03-2026	Office Printing / (A/C)	1000
27-04-2026	Office Printing / (A/C)	1000
27-05-2026	Office Printing / (A/C)	1000
27-06-2026	Office Printing / (A/C)	1000
27-07-2026	Office Printing / (A/C)	1000
27-08-2026	Office Printing / (A/C)	1000
27-09-2026	Office Printing / (A/C)	1000
27-10-2026	Office Printing / (A/C)	1000
27-11-2026	Office Printing / (A/C)	1000
27-12-2026	Office Printing / (A/C)	1000
28-01-2027	Office Printing / (A/C)	1000
28-02-2027	Office Printing / (A/C)	1000
28-03-2027	Office Printing / (A/C)	1000
28-04-2027	Office Printing / (A/C)	1000
28-05-2027	Office Printing / (A/C)	1000
28-06-2027	Office Printing / (A/C)	1000
28-07-2027	Office Printing / (A/C)	1000
28-08-2027	Office Printing / (A/C)	1000
28-09-2027	Office Printing / (A/C)	1000
28-10-2027	Office Printing / (A/C)	1000
28-11-2027	Office Printing / (A/C)	1000
28-12-2027	Office Printing / (A/C)	1000
29-01-2028	Office Printing / (A/C)	1000
29-02-2028	Office Printing / (A/C)	1000
29-03-2028	Office Printing / (A/C)	1000
29-04-2028	Office Printing / (A/C)	1000
29-05-2028	Office Printing / (A/C)	1000
29-06-2028	Office Printing / (A/C)	1000
29-07-2028	Office Printing / (A/C)	1000
29-08-2028	Office Printing / (A/C)	1000
29-09-2028	Office Printing / (A/C)	1000
29-10-2028	Office Printing / (A/C)	1000
29-11-2028	Office Printing / (A/C)	1000
29-12-2028	Office Printing / (A/C)	1000
30-01-2029	Office Printing / (A/C)	1000
30-02-2029	Office Printing / (A/C)	1000
30-03-2029	Office Printing / (A/C)	1000
30-04-2029	Office Printing / (A/C)	1000
30-05-2029	Office Printing / (A/C)	1000
30-06-2029	Office Printing / (A/C)	1000
30-07-2029	Office Printing / (A/C)	1000
30-08-2029	Office Printing / (A/C)	1000
30-09-2029	Office Printing / (A/C)	1000
30-10-2029	Office Printing / (A/C)	1000
30-11-2029	Office Printing / (A/C)	1000
30-12-2029	Office Printing / (A/C)	1000
31-01-2030	Office Printing / (A/C)	1000
31-02-2030	Office Printing / (A/C)	1000
31-03-2030	Office Printing / (A/C)	1000
31-04-2030	Office Printing / (A/C)	1000
31-05-2030	Office Printing / (A/C)	1000
31-06-2030	Office Printing / (A/C)	1000
31-07-2030	Office Printing / (A/C)	1000
31-08-2030	Office Printing / (A/C)	1000
31-09-2030	Office Printing / (A/C)	1000
31-10-2030	Office Printing / (A/C)	1000
31-11-2030	Office Printing / (A/C)	1000
31-12-2030	Office Printing / (A/C)	1000
Total Amount		2000

Total Departmental Amount - Rs. 2,000
 Approved Amount - Rs. 2000
 Balance (Balance) Amount - Rs. 0

To
 Accountant
 P. S. S. S.

V. R. R. S. S.
 (Dr. K. Ramesh Linga Reddy)
 IRAS, E.T.C.

Fig 10.1.5.2: Evidence for Financial Delegation by the Head of the Department

SRIRAMAMMA INSTITUTE OF TECHNOLOGY & SCIENCE
Journal Voucher

No.	SS	Date	Particulars	Debit	Credit
			Cybernetics II (1st) (A) IP	40,000.00	
			To Advance to HOD-CSE-A		40,000.00
Dr. Account of					
Being expenditure incurred for Departmental Technical Assistant vacancy for the year 2023, which is adjusted against advance paid to HOD - CSE Dept.					
				40,000.00	40,000.00

Accountant General
SRIRAMAMMA INSTITUTE OF TECHNOLOGY & SCIENCE
Vengal Rao Nagar, Hyderabad - 500 082
Tel: 080-26080000

Fig 10.1.5.3: Evidence for Financial Delegation by the Head of the Department

G.NARAYANANMA INSTITUTE OF TECHNOLOGY & SCIENCE
(AUTONOMOUS) (FOR WOMEN)

SELAJKPET, HYDERABAD - 500184, T.S.
Department of Computer Science & Engineering

Date: 17/05/2023

Budget details of Department Technical association: Valedictory function held on 29th April-2023. Amount Sanctioned: Rs.40,000

Amount Spent for Technical valedictory:

S.No.	Amount spent	Amount
1.	Cash Prize for best Project & Hackathon	Rs.18,700
		Rs. 2,800
2.	Amount spent for Student Farewell	
3.	Trophies	Rs.7,500
4.	Wall Magnities	Rs. 2,500
5.	Certificates	Rs.1,880
6.	Transportation	Rs.551
7.	Dinner	Rs.5,869
8.	Amount spent for Rangoli	Rs.200
	Total Amount spent	Rs. 40,000

TE
Accountant,
17/05/23

M. G. S. Reddy
HOD CSE

Fig 10.1.5.4: Evidence for Financial Delegation by the Head of the Department

NARAYANAMMA INSTITUTE OF TECHNOLOGY & SCIENCE

Journal Voucher

No. 58 Dated: 17 May 2023

Particulars	Debit	Credit
Cytemuds (CSE Dept.) A Dr IC	40,000.00	
Tr. Advance to HOD-CSE A IC		40,000.00
	₹ 40,000.00	₹ 40,000.00

On Account of:
Being expenditure incurred for Departmental Technical Association - valedictory function held on 29/4/2023, which is adjusted against advance paid to HOD - CSE Dept.

Account Officer
G. Narayanamma Institute of Technology & Science (for women)
LATHANAGUDDUR
Dhulapeta, Hyderabad - 500 104

Authorized Signatory
G. Narayanamma Institute of Technology & Science (for women)
LATHANAGUDDUR
Dhulapeta, Hyderabad - 500 104

Fig 10.1.5.5: Evidence for Financial Delegation by the Head of the Department

G. NARAYANANNA INSTITUTE OF TECHNOLOGY & SCIENCE
(AUTONOMOUS)

SILAIKPET, HYDERABAD - 501014, T.S.
Department of Computer Science & Engineering

Date: 17/08/2023

Budget details of Department Technical association Voluntary Association held on 29th April 2023. Amount Sanctioned: Rs.40,000

Amount Spent for Technical voluntary:

S.No.	Amount spent	Amount
1.	Cash Price for best Projects & Hackathons	Rs.18,700
2.	Amount spent for Student Welfare	Rs. 2,000
3.	Trophies	Rs.7,500
4.	Wall Magazine	Rs. 2,300
5.	Certificates	Rs.1,500
6.	Transportation	Rs.121
7.	Travel	Rs.1,249
8.	Amount spent for Budget	Rs.300
	Total Amount spent	Rs.40,000

TO
Accountant
16/8/2023

M. G. S. Reddy
HOD-CSE

10.1.6 Transparency and availability of correct/unambiguous information in public domain (5)

Institute Marks : 5.00

The institutions effective governance, leadership, and management are demonstrated by its long track record of delivering quality technical education without disruptions. This success is attributed to the responsive and efficient management. The Institution has its own website, URL is: www.gnits.ac.in (<http://www.gnits.ac.in>).

The Institution ensures to publish their Vision, Mission and various Quality policy rules, achievements, Mandatory Disclosure as per AICTE etc., AISHE Certificates are available in the website. The administration of the institute operates through Academic and Administrative committees and other committees comprising faculty, non-teaching staff, and students as members. Information pertaining to these committees is transparently shared with all stakeholders through annual reports, notice boards, circulars, and the institutes website, ensuring accessibility at various levels.

The details of Teaching and Non Teaching staff published in the website also Student details such as intake and admitted details are available in each department portals.

Mandatory disclosures are uploaded to the website every academic year to ensure transparency. Additionally, the institute participates in the All India Survey for Higher Education annually, with the institutions information submitted to the Ministry of Human Resource Development (MHRD).

The Annual Quality Assurance Report (AQAR) is submitted to the National Assessment and Accreditation Council (NAAC) and is made available on the institutions website for transparency purposes.

Furthermore, all details regarding institutional accreditation, as well as reports from NIRF (National Institutional Ranking Framework) and ARIIA (Atal Ranking of Institutions on Innovation Achievements), are disseminated to stakeholders through the institutions website.

Parents have the option to access their wards details, including attendance and marks, through the institutions ecap.

Regular updates are made to the website to reflect various activities such as workshops, conferences, student activities etc.

Students academic information, such as attendance and results, is displayed on notice boards. Examination notifications and academic announcements are also posted on the website and notice boards.

Transparency is maintained across all administrative, academic, and non-academic units of the institute by involving staff and students in various committees at both institute and department levels.

The institutes academic calendar is accessible on the website using the link <https://www.gnits.ac.in/academics/academic-calendar/> and hard copies are distributed to each staff and student.

Grievance links are readily available on the website to facilitate communication and address concerns.

Financial audited statements are transparently provided on the website, ensuring stakeholders have access to relevant financial information.

A. Information on the policies, rules, processes is to be made available on web site (2)

The Below tables 10.1.6.1. gives the information about various policies published in the website.

Table 10.1.6.1. Policies and its website links

S.No.	Name of the Policy	Link
1	e-governance	https://www.gnits.ac.in/e-governance-policy/
2	HR POLICY	https://www.gnits.ac.in/about-us/service-rules/ (https://www.gnits.ac.in/about-us/service-rules/)
3	Admission Policy	https://www.gnits.ac.in/admission-policy/
4	Reservation Policy	https://www.gnits.ac.in/g-os-on-reservation/ (https://www.gnits.ac.in/g-os-on-reservation/)
5	Code of Ethics and Conduct for Students	https://www.gnits.ac.in/code-of-ethics-and-conduct-forstudents/
6	Code of Ethics and Conduct for Staff	https://www.gnits.ac.in/code-of-conduct/
7	Hostel Policy	https://www.gnits.ac.in/policy-2 (https://www.gnits.ac.in/policy-2)
8	Research & Consultancy Policy	https://www.gnits.ac.in/policy/#1648387248777-200488cf-d776 (https://www.gnits.ac.in/policy/#1648387248777-200488cf-d776)
9	Intellectual Policy	https://www.gnits.ac.in/policy/#1648387248793-ffde6def-7f0e (https://www.gnits.ac.in/policy/#1648387248793-ffde6def-7f0e)
10	Plagiarism Policy	https://www.gnits.ac.in/policy/#1648387345909-87479560-8512 (https://www.gnits.ac.in/policy/#1648387345909-87479560-8512)
11	Seed Policy	https://www.gnits.ac.in/policy/#1703845680575-911456ed-d535 (https://www.gnits.ac.in/policy/#1703845680575-911456ed-d535)
12	National Innovation and Start-up Policy	https://www.gnits.ac.in/policies/#1704709979795-9cb46e58-2460 (https://www.gnits.ac.in/policies/#1704709979795-9cb46e58-2460)
13	Recruitment Policy	https://www.gnits.ac.in/wp-content/uploads/2024/03/Placement-Policy.pdf (https://www.gnits.ac.in/wp-content/uploads/2024/03/Placement-Policy.pdf)
14	Internship Policy	https://www.gnits.ac.in/wp-content/uploads/2024/03/Internship-Policy.pdf (https://www.gnits.ac.in/wp-content/uploads/2024/03/Internship-Policy.pdf)
15	Alumnae Policy	https://www.gnits.ac.in/alumnae-policy/ (https://www.gnits.ac.in/alumnae-policy/)
16	Policy Guidelines For Awards/Prizes/Medals	https://www.gnits.ac.in/students-scholarships-sponsored-by-the-institute-ngos/#1649321985554-28d5b959-e5f5 (https://www.gnits.ac.in/students-scholarships-sponsored-by-the-institute-ngos/#1649321985554-28d5b959-e5f5)
17	Green Campus Policy	https://www.gnits.ac.in/wp-content/uploads/2024/01/Green-Campus-Policy.pdf (https://www.gnits.ac.in/wp-content/uploads/2024/01/Green-Campus-Policy.pdf)
18	Environment-and-Energy-Policy	https://www.gnits.ac.in/wp-content/uploads/2024/01/Environment-and-Energy-Policy.pdf (https://www.gnits.ac.in/wp-content/uploads/2024/01/Environment-and-Energy-Policy.pdf)

19	IT Maintenance Policy	https://www.gnits.ac.in/it-maintenance-policy/ (https://www.gnits.ac.in/it-maintenance-policy/)
----	-----------------------	---

B. Dissemination of the information about student, faculty and staff (2)

Student details are available in the Institutional website :

Link: <https://www.gnits.ac.in/students-on-rolls/> (<https://www.gnits.ac.in/students-on-rolls/>)

Faculty and staff details are available in the individual departments and is as shown in the Table 10.1.6.2 along with the links below

Table 10.1.6.2

S.No	Name of the Department	Links
1	CSE (Faculty and Staff)	https://www.gnits.ac.in/computer-science-engg/computer-science-engineering/staff-profile/ (https://www.gnits.ac.in/computer-science-engg/computer-science-engineering/staff-profile/)
2	ECE (Faculty and Staff)	https://www.gnits.ac.in/staff-profile-2/ (https://www.gnits.ac.in/staff-profile-2/)
3	EEE (Faculty and Staff)	https://www.gnits.ac.in/staff-profile-6/ (https://www.gnits.ac.in/staff-profile-6/)
4	IT (Faculty and Staff)	https://www.gnits.ac.in/staff-profile-8/ (https://www.gnits.ac.in/staff-profile-8/)
5	ETE (Faculty and Staff)	https://www.gnits.ac.in/staff-profile-7/ (https://www.gnits.ac.in/staff-profile-7/)
6	H & M (Faculty and Staff)	https://www.gnits.ac.in/staff-profile-5/ (https://www.gnits.ac.in/staff-profile-5/)
7	BS (Faculty and Staff)	https://www.gnits.ac.in/staff-profile-4/ (https://www.gnits.ac.in/staff-profile-4/)
8	Mechanical (Faculty and Staff)	https://www.gnits.ac.in/staff-profile-3/ (https://www.gnits.ac.in/staff-profile-3/)
9	Admin Staff	https://www.gnits.ac.in/administration/ (https://www.gnits.ac.in/administration/)

C. Mandatory disclosure as per AICTE/AISHE on the website. (1)

The below table 10.1.6.3. provides the information about Mandatory Disclosure published in the website.

Table 10.1.6.3. Mandatory Disclosure and its website links

S. No	Academic Year	Link
1	2022-2023	https://www.gnits.ac.in/wp-content/uploads/2023/08/MANDATORY-DISCLOSURE-2022-23.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/08/MANDATORY-DISCLOSURE-2022-23.pdf)
2	2021-2022	https://www.gnits.ac.in/wp-content/uploads/2022/05/mandatory-disclosures.pdf (https://www.gnits.ac.in/wp-content/uploads/2022/05/mandatory-disclosures.pdf)
3	2020-2021	https://www.gnits.ac.in/wp-content/uploads/2021/11/Mandatory-Disclosures-2020-21-revised.pdf (https://www.gnits.ac.in/wp-content/uploads/2021/11/Mandatory-Disclosures-2020-21-revised.pdf)

The below table 10.1.6.4 gives the information about various policies published in the website.

Table 10.1.6.4 AISHE Certificates and its website links

S. No	Academic Year	Link
1	2022-2023	https://www.gnits.ac.in/aishe/#1695620471181-2c7b0840-2b6e (https://www.gnits.ac.in/aishe/#1695620471181-2c7b0840-2b6e)
2	2021-2022	https://www.gnits.ac.in/aishe/#1710140019928-f6057e19-5cc7 (https://www.gnits.ac.in/aishe/#1710140019928-f6057e19-5cc7)
3	2020-2021	https://www.gnits.ac.in/aishe/#1695620459631-b70109e3-18ce (https://www.gnits.ac.in/aishe/#1695620459631-b70109e3-18ce)

10.2 Budget Allocation, Utilization, and Public Accounting at Institute level (15)

Total Marks 15.00

Total Income at Institute level: For CFY,CFYm1,CFYm2 & CFYm3
 CFY : (Current Financial Year),
 CFYm1 : (Current Financial Year minus 1),
 CFYm2 : (Current Financial Year minus 2) and
 CFYm3 : (Current Financial Year minus 3)

Table 1 - CFY 2023-2024

Total Income 450832394				Actual expenditure(till...): 509611629			Total No. Of Students 3877
Fee	Govt.	Grants	Other sources(specify) Admission & O	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify	Expenditure per student
407641400	0	1596619	41594375	354280508	155331121	0	131444.84

Table 2 - CFYm1 2022-2023

Total Income 423840857				Actual expenditure(till...): 456109517			Total No. Of Students 3549
Fee	Govt.	Grants	Other sources(specify) Admission 7 ot	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify	Expenditure per student
368877176	0	686389	54277292	354420830	101688687	0	128517.76

Table 3 - CFYm2 2021-2022

Total Income 420209994				Actual expenditure(till...): 322533672			Total No. Of Students 3332
Fee	Govt.	Grants	Other sources(specify) Admission & O	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify	Expenditure per student
380969495	0	3545872	35694627	279989359	42544313	0	96798.82

Table 4 - CFYm3 2020-2021

Total Income 332939264				Actual expenditure(till...): 288615346			Total No. Of Students 3136
Fee	Govt.	Grants	Other sources(specify) Admission & ot	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify	Expenditure per student
300743465	0	0	32195799	249437252	39178094	0	92032.95

Items	Budgeted in 2023-2024	Actual Expenses in 2023-2024 till	Budgeted in 2022-2023	Actual Expenses in 2022-2023 till	Budgeted in 2021-2022	Actual Expenses in 2021-2022 till	Budgeted in 2020-2021	Actual Expenses in 2020-2021 till
Infrastructure Built-Up	1500000	1421542	8500000	8276904	1800000	1534725	3900000	3516483
Library	3200000	3135728	2000000	1580447	2453000	2252370	1200000	918173
Laboratory equipment	1220000	1207163	2000000	1852563	2700000	2657625	4200000	3772016
Laboratory consumables	1500000	1433781	1981000	1366313	1800000	1585366	1085000	850638
Teaching and non-teaching staff	3500000	2846007	2850000	2795719	2470000	2334963	2244000	2167592
Maintenance and spares	1000000	9743127	1500000	1365716	9500000	9273777	7800000	6697208
R&D	2800000	2673056	6000000	5443673	3000000	2808071	2000000	1640813
Training and Travel	800000	477252	800000	602595	200000	186217	200000	163106
Miscellaneous Expenses*	4000000	3729475	4200000	3349503	3200000	2897358	5100000	4687876
Others, specify	5697500	4959261	5412500	4924315	3092500	2811061	2082000	1796142
Total	591475000	509611629	474106000	456109517	343078000	322533672	305805000	288615346

10.2.1 Adequacy of budget allocation (5)

Institute Marks : 5.00

	Sanctioned Amount in Rs.	Utilized Amount in Rs.	%
CFY	59,14,75,000	50,96,11,629	86.16
CFY m1	47,41,06,000	45,61,09,517	96.20
CFY m2	34,30,78,000	32,25,33,672	94.01
CFY m3	30,58,05,000	28,86,15,346	94.38

- The yearly budget is prepared according to the needs & requirements of the departments taking into consideration of annual intake of students, laboratory & infrastructure developments.
- The components of budget include salaries of all staff, purchase of equipment's, establishment of new labs, maintenance of labs, research and development, training and placement, students activities and sports, purchase of books etc.
- Budget Committee of the department reviews the proposed budget and sends the budget proposals to the Institute Finance Committee.
- Formal budget estimates are prepared by each department and will be reviewed in HODs meeting with the Principal and Dean of Administration.
- After deliberations, formal budget is altered in departments and forwarded to Dean of Administration for preparing the final budget at the college level.
- The final budget is forwarded to Management through the Principal for approval and sanction.
- The Management, in consultation with the Governing Body and after due diligence, sanctions the budget which was proposed by the institute to fulfil the requirements of various departments.
- In case of further requirements of funds or unforeseen expenditures by the departments / sections, the financial proposals can be forwarded to Governing Council. The proposal may be positively considered based on the merit of the case.

10.2.2 Utilization of allocated funds (5)

Institute Marks : 5.00

In general, budget preparation is carried out individually by Departments and Sections, encompassing various aspects such as:

- Development
- Infrastructure maintenance
- Research
- Consultancy
- Introduction of new courses
- Faculty requirements
- Training for faculty, staff, and students
- Initiatives in innovations and start-ups

These comprehensive proposals are then submitted for necessary budget approvals.

Once budgets are sanctioned, the utilization rate typically ranges between 85% to 95%, reflecting efficient budget planning and the prudent utilization of allocated funds.

This high utilization rate underscores the institutions commitment to effective financial management and the strategic allocation of resources to meet its objectives across multiple domains.

10.2.3 Availability of the audited statements on the institute's website (5)

Institute Marks : 5.00

- GNITS conducts internal and external audits, which is an ongoing and continuous process.
- This internal audit team is responsible for reviewing and approving financial information and ensuring adherence to established policies.
- Their primary objective is to identify areas for improvement and verify the effectiveness of financial processes.
- In adherence to the stipulated provisions of the Income Tax Act, GNITS conducts an annual statutory audit performed by external auditors.
- These external auditors are appointed to conduct audits in accordance with Generally Accepted Accounting Policies, applicable Financial Reporting Frameworks, Statutory Provisions, and the standards on auditing issued by the Institute of Chartered Accountants of India (ICAI).

The Audited Financial Statements for each fiscal year of the institute are accessible on the institutes website as shown in the table 10.2.3.1.

Table 10.2.3.1 Financial Audited Statement for three Fiscal years.

S.No	Financial Year	Link
1	2022-2023	https://www.gnits.ac.in/wp-content/uploads/2023/10/Audit-report-2022-2023.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/10/Audit-report-2022-2023.pdf)
2	2021-2022	https://www.gnits.ac.in/wp-content/uploads/2023/10/Audit-REport-2021-2022_.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/10/Audit-REport-2021-2022_.pdf)
3	2020-2021	https://www.gnits.ac.in/wp-content/uploads/2023/10/Audit-REport-2021-2022_.pdf (https://www.gnits.ac.in/wp-content/uploads/2023/10/Audit-REport-2021-2022_.pdf)

10.3 Program Specific Budget Allocation, Utilization (30)

Total Marks 30.00

Total Income at Institute level: For CFY,CFYm1,CFYm2 & CFYm3

CFY: (Current Financial Year),

CFYm1 : (Current Financial Year minus 1),

CFYm2 : (Current Financial Year minus 2) and

CFYm3 : (Current Financial Year minus 3)

Table 1 :: CFY 2023-2024

Total Budget 1070000		Actual expenditure (till...): 1049735		Total No. Of Students 198
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student
9,30,000	1,40,000	9,10,801	1,38,934	5301.69

Table 2 :: CFYm1 2022-2023

Total Budget 815000		Actual expenditure (till...): 773971		Total No. Of Students 196
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student
6,65,000	1,50,000	6,43,751	1,30,220	3948.83

Table 3 :: CFYm2 2021-2022

Total Budget 1780000		Actual expenditure (till...): 1734354		Total No. Of Students 194
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student
17,00,000	80,000	16,85,443	48,911	8939.97

Table 4 :: CFYm3 2020-2021

Total Budget 580000		Actual expenditure (till...): 546354		Total No. Of Students 189
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student
4,95,000	85,000	4,94,569	51,785	2890.76

Items	Budgeted in 2023-2024	Actual Expenses in 2023-2024 till	Budgeted in 2022-2023	Actual Expenses in 2022-2023 till	Budgeted in 2021-2022	Actual Expenses in 2021-2022 till	Budgeted in 2020-2021	Actual Expenses in 2020-2021 till
Laboratory equipment	740000	730047	405000	400751	1500000	1491827	285000	282001
Software	160000	159254	200000	184000	170000	166000	190000	200000
Laboratory consumable	20000	18767	20000	15540	10000	0	5000	3405
Maintenance and spares	80000	87897	80000	72650	30000	21241	50000	40980
R & D	250000	21500	60000	59000	30000	27616	20000	12568

Training and Travel	30000	20270	40000	34030	30000	22550	20000	2545
Miscellaneous Expenses*	10000	12000	10000	8000	10000	5120	10000	4855
Total	1290000	1049735	815000	773971	1780000	1734354	580000	546354

10.3.1 Adequacy of budget allocation (10)

Institute Marks : 10.00

- The budgetary estimates are prepared at the department level by the HOD in consultation with the Lab Incharges and other senior faculty.
- The vision and mission of the institute and the department is always taken into consideration while preparing such budgetary estimates.
- The budget allocated to the departments is adequate to meet the requirements of department.
- Institute has a well laid out process for allocation of budget for every financial year. The management in consultation with HODs, Deans and Principal approves the budget to the departments.
- Estimated budget proposals are prepared by the department keeping in view of the development and updation of laboratory facilities, computing facilities, teaching learning process enhancement, training and recurring expenses, previous year expenditure, additional infrastructure requirements, facilities to be created, amenities to be added which are all justified and appropriately substantiated.
- Purchase Committee meeting is held in the department to review the proposed budget up on which budget proposals are submitted to the Institute Finance Committee.
- After obtaining the budget approvals from Governing body, department receives the allocated budget towards the development activities.
- The budgetary allocations are found to be adequate as the allocations are primarily based on the requirements forwarded by the department.
- Every year a portion of the budget is set apart for the service and maintenance of laboratories and staff development.
- Ever since inception, the department has adequate budget allocations.
- The budget allocated for the last four financial years for the B.Tech program in Information Technology is shown in Fig. 10.3.1.a

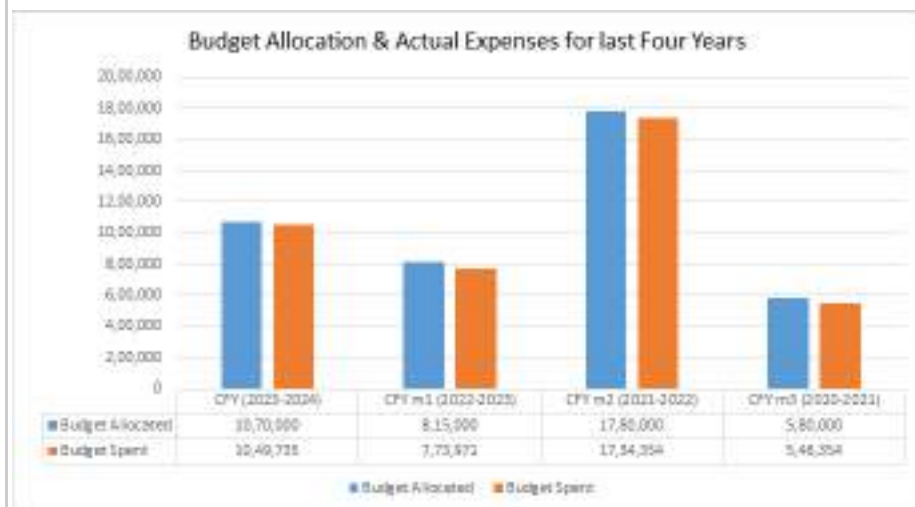


Fig. 10.3.1a Adequacy of budget allocation incurred during past four financial years

10.3.2 Utilization of allocated funds (20)

Institute Marks : 20.00

The allocated budget is utilized for establishing new laboratories with the high configuration.

Every year a portion of the budget is set apart for the service and maintenance of laboratories and faculty development.

- Department keeps track of the utilization of the budget during the financial year in the departmental staff meetings.
- Allocated budget is utilized by the department towards the development of facilities required for carrying out research, teaching learning process, laboratory equipment, R&D, classrooms, and other miscellaneous expenses.
- The budget allocated for the Department, Program and Research are always adequate and the same is spent to an extent of 94% to 99%

The percentage of Budget Utilization is given in Table 10.3.2a and Figure.10.3.2a

Table 10.3.2a Utilization of allocated funds for four years

Financial Year	Budget Allotted in Rupees	Budget Utilized in Rupees	Budget Utilization (%)
CFY (2023 – 2024)	10,70,000	10,49,735	98.1
CFYm1 (2022 – 2023)	8,15,000	7,73,971	94.96
CFYm2 (2021 – 2022)	17,80,000	17,34,354	97.43
CFYm2 (2020 – 2021)	5,80,000	5,46,354	94.2

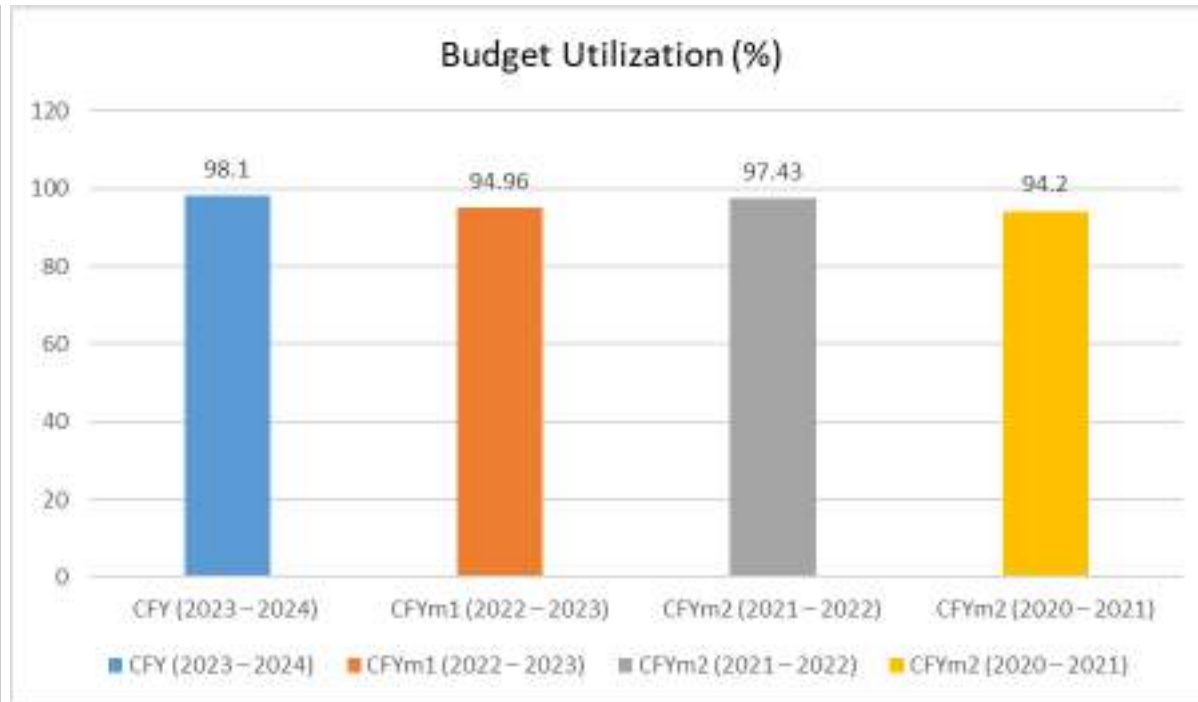


Figure.10.3.2 a Budget Utilization (%)

The budget allocation is adequate and is well spent for the department and the program

10.4 Library and Internet (20)

Total Marks 20.00

Relevance of available learning resources including e-resources

GNITS comprises of Central Library and about six Departmental Libraries collectively support the teaching, research, and extension programs of the Institute. It has a well-equipped library with various learning resources for the stakeholders to access either in two modes - physical or online mode. GNITS library is fully automated with ECAP software. All in-house operations of the library are fully computerized using this Library management software, which also provides web-based access

to the catalogue of the Central Library and some Departmental Libraries. It has a barcode-based automated library system and a wide variety of printed and electronic collections catering to the needs of all the students, faculty, and staff

By using Barcode technology and the issue/return of books is processed by using this technology. Students and staff can find the books author wise, title wise, publisher wise. The Photocopy and scanning facilities are available at the library. The library committee, which comprises the staff and students, advises the librarian on improving the learning resources based on student requirements and academic and industry demands. The committee acts as a bridge between the users and the library. All the students are eligible to borrow 6 books. The library issues beyond the eligibility in specific cases based on requirement of the user.

The library has a good collection of **9687 Titles** and Volumes 45203 in Engineering & Technology, Humanities & Sciences. The collection also includes Encyclopedias and Handbooks. The library has also been subscribing 115 peer-reviewed journals, 16 Popular Magazines and E-journal databases as prescribed by AICTE from time to time.

Accessibility to students

- The Central Library opens from 8.50 A.M to 8.30 P.M on all working days
- Sundays and Holidays 10A.M to 4.00 P.M.

MEMBERSHIPS

- DELNET MEMBERSHIP DELNET: for resources for borrowing books from libraries, getting photocopies of articles and for research and reference
- National Digital Library of India (NDLI) for having access to the free resources available at NDLI.
- E-SHODHSINDHU : eShodhSindhu :for subscribing e-resources in the prices negotiated by the consortium.

Other facilities

- Discussion rooms
- Own book reading
- Inter Library Loan (ILL)
- Library open behind the college timings
- Plagiarism check
- Nodal office @ Institutional level for Vidwan and IRINS

DIGITAL LIBRARY:

The Digital library, which is well equipped, was established in the Library and Information Center, Central Library with 30 computers. The Digital library has many forms and meanings in terms of information sharing and data security. CD's DVD's, online journals, scanned documents can be

Stored in the digital library and through LAN anyone can access information about the Digital Library.

E-Journals and e- books gives information to anyone who desires it. E-Journals – 5000+, e – Books –2,188 are available.

- Previous question papers for all the courses are available.
- Lecture notes and Lab manuals are available.
- Project reports and Institutional repositories are available.

The Digital Library supports the students and staff for self-learning through **IEEE, DELNET, J-GATE, NDLI, SWAYAM-NPTEL** Book Containing e-material. The library organizes awareness programs connecting these resources with the objective of raising awareness among the students, staff and research scholars on how to use the e - resources.

S. No	Description	Particulars
1	Availability of Digital Library Contents	SWAYAM NPTEL-Web/Video Lectures, SONET Lectures, e-books, e-Journals, e-Back Volumes, other Self-Learning Resources, Previous Question Papers Institutional Repositories and archives. etc.
2	No. of Courses	08
3	Number of e-Books	2188
4	No. of e-Journals	5000+
5	Availability of an	Yes
6	Availability over Intranet /	Yes
7	Availability of Exclusive	Yes

Exclusive server

Internet

Space / room?

Scholarly Journal Subscription:

Year	Number of Technical Magazines / Periodicals	Number of Total Technical Journals Subscribed	
		In Hard Copy	In Soft Copy
CFY m 2023-24	20	95	5000+
CFY m1 2022-23	28	98	5000+
CFY m2 2021-22	-	-	5000+

CFY m3 2020-21	-	-	5000+
CFY m4 2019-20	27	93	5000+

- **Plagiarism check software**

TURNITIN & Drilbit - plagiarism softwares are available in the library. Academic regulations of the institution mandates plagiarism check for the thesis & research papers of B.Tech and M.Tech students. This service is maintained as per the guidelines of JNTU Hyderabad and the norms of UGC plagiarism policy 2018.

2020-2021

S. No.	Nature of Work	Program/Purpose	No.of checks conducted
1	Final Year project reports	B.Tech	1
2	Thesis work	M.Tech	81
3	Staff thesis	Ph.D	0
4	International Conference papers	Conference	7
5	Research Papers	Faculty and Staff	11
Total			100

2021-2022

S. No.	Nature of Work	Program/Purpose	No.of checks conducted
1	Final Year project reports	B.Tech	0
2	Thesis work	M.Tech	81
3	Staff thesis	Ph.D	1
4	International Conference papers	Conducted by CSE Department	0

5	Research Papers	Faculty and Staff	23
Total			105

2022-2023

S. No.	Nature of Work	Program/Purpose	No.of checks conducted
1	Final Year project reports	B.Tech	13
2	Thesis work	M.Tech	65
3	Staff thesis	Ph.D	2
4	International Conference papers	Conference	21
5	Research Papers	Faculty and Staff	51
6	Patent	Faculty	1
7	SERB Projects	Faculty	1
Total			154

2023-2024

S. No.	Nature of Work	Program/Purpose	No.of checks conducted
1	Final Year project reports	B.Tech	12
2	Thesis work	M.Tech	60
3	Staff thesis	Ph.D	0

4	International Conference papers	Conference	2
5	Research Papers	Faculty and Staff	17
6	Patent	Faculty	0
7	SERB Projects	Faculty	5
Total			96

Library has introduced an online e-Library with the help of "KNIMBUS" platform. This can reach to the Students & Staff through the

URL: <https://gnits.knimbus.com/user#/home> (<https://gnits.knimbus.com/user#/home>)



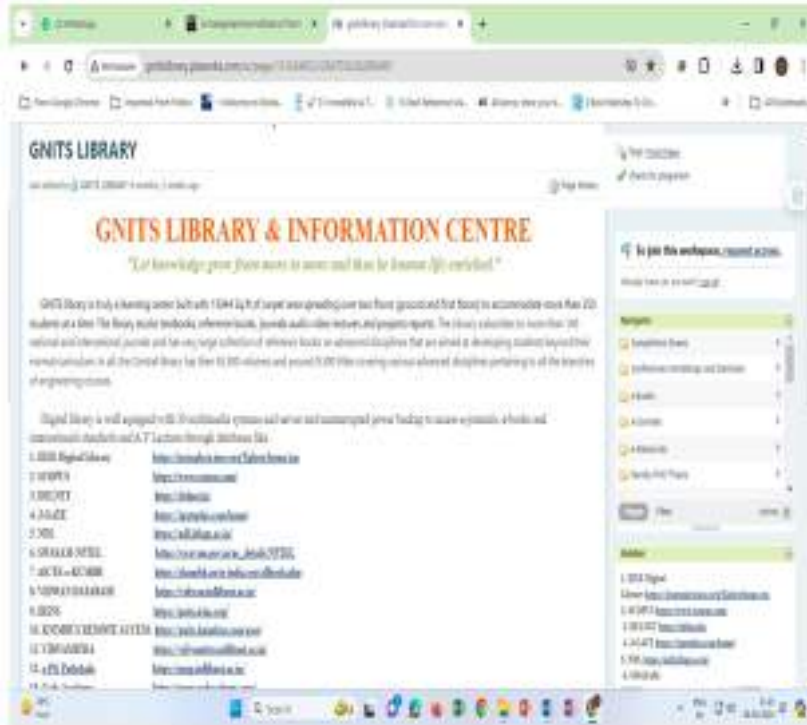
- All the students and staff has joined as members to utilize the online Library.
- The online-library contains e-journals subscribed by the institute; Syllabus based e-books, Old question papers, Lecture notes and ATAL-FDP video lectures.
- All the members who registered Online-Library can access all the materials through remote access. The library staff has conducted online training classes through Google meet and Microsoft Teams.
- Apart from the above staff & students are utilizing National Digital Library, N-, DELNET.

• Library on web(<http://gnitslibrary.pbworks.com/>) (<http://gnitslibrary.pbworks.com/>)

- All the students and staff has joined as members to utilize the online Library.
- The online-library contains e-journals subscribed by the institute; Syllabus based e-books, Old question papers, Lecture notes and ATAL-FDP video lectures.

- All the members who registered Online-Library can access all the materials through remote access. The library staff has conducted online training classes through Google meet and Microsoft Teams.
- Apart from the above staff & students are utilizing National Digital Library, N-, DELNET.

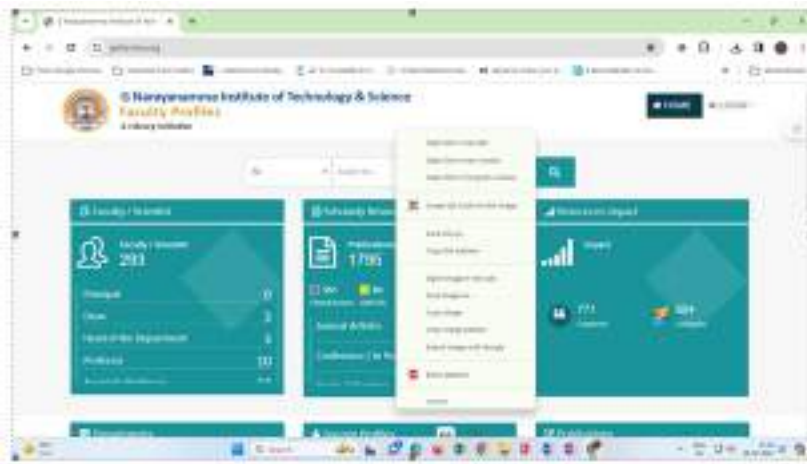
- Library on web(<http://gnitslibrary.pbworks.com/>) (<http://gnitslibrary.pbworks.com/>)



e-Shodhsindhu Membership



GNITS on IRINS (Indian Research Information Network System)



E-resources

S.No	Name of the E-resources	Name of the service provider	URL
1	e – journals/e-books consortia	IEEE Digital Library	https://ieeexplore.ieee.org/ (https://ieeexplore.ieee.org/)
		DELNET	https://delnet.in/ (https://delnet.in/)
		J-GATE	https://jgateplus.com/home/ (https://jgateplus.com/home/)
		Knimbus	https://gnits.knimbus.com/user#/home (https://gnits.knimbus.com/user#/home)
		AICTE-e- KUMBH	https://ekumbh.aicte-india.org/allbook.php (https://ekumbh.aicte-india.org/allbook.php)
	e-PG (http://epgp.inflibnet.ac.in/) Pathshala (http://epgp.inflibnet.ac.in/)	https://epgp.inflibnet.ac.in/ (https://epgp.inflibnet.ac.in/)	
2	e-ShodhSindhu	INFLIBNET	https://ess.inflibnet.ac.in/oes/memberhome.php (https://ess.inflibnet.ac.in/oes/memberhome.php)
3	e-Shodhganga	INFLIBNET	https://shodhganga.inflibnet.ac.in/ (https://shodhganga.inflibnet.ac.in/)
4	SWAYAM	NPTEL	https://archive.nptel.ac.in/LocalChapter/statistics/742/ (https://archive.nptel.ac.in/LocalChapter/statistics/742/)
5	Vidwan	INFLIBNET	https://vidwan.inflibnet.ac.in/ (https://vidwan.inflibnet.ac.in/)
6	IRINS	INFLIBNET	https://gnits.irins.org/ (https://gnits.irins.org/)
7	Remote Access	Knimbus	https://gnits.knimbus.com/user#/home (https://gnits.knimbus.com/user#/home)
8	NDL	National Digital Library (NDL)	https://ndl.iitkgp.ac.in/ (https://ndl.iitkgp.ac.in/)
9	Plagiarism	Turnitin Plagiarism checker	https://gnarayanamma.turnitin.com/ (https://gnarayanamma.turnitin.com/)

10	Library Web page	GNITS LIBRARY	http://gnitslibrry.pbaworks.com/ (http://gnitslibrry.pbaworks.com/)
----	------------------	---------------	--

10.4.2 Internet (10)

Institute Marks : 10.00

Name of the Internet Provider:

M/s Pioneer E-Labs Limited, Hyderabad. GNITS is availing Internet Services from Class A Internet Service Provider (ISP) certified by Department of Telecom (DoT) India. Institute has 10G Fiber Module with Firewall.

A. Available bandwidth: (4)**1000 Mbps 1:1 Leased Line**

Campus Network Control Center (CNCC) organizes the distribution of bandwidth and speed depending on the requirements. The bandwidth facility is improved from 500 Mbps to 1000 Gbps in the assessment period.

B. Wi Fi availability: (2)

Wi Fi facility is available throughout the campus. CISCO Controller and 115 Wi-Fi Access points are arranged throughout the corridors, labs, open spaces, outdoors, and All Hostel.

C. Internet access in laboratories, classrooms, library, and offices of all Departments (2)

Internet is accessible in all the laboratories, classrooms, library, and offices of all departments and in the college hostel. All computers in the campus are on the intranet and with internet facility. All the Staff members are provided with wired internet facility at Staff cabins. The entire campus is Wi-fi enabled.

D. Security mechanism (2)**Security arrangements: Using firewall protection by SOPHOS Firewall.**

Sophos XG Firewall provides comprehensive next-generation firewall protection that exposes hidden risks, blocks unknown threats, and automatically responds to incidents.

Expose Hidden Risks; Superior visibility into risky activity, suspicious traffic, and advanced threats help you regain control of your networks.

Stop Unknown Threats: Powerful next-gen protection technologies like deep learning and intrusion prevention keep your organization secure.

Isolate Infected Systems: Automatic threat response instantly identifies and isolates compromised systems on your network to stop threats from spreading.

Annexure I
(A) PROGRAM OUTCOME (POs)

Engineering Graduates will be able to:

- 1. Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- 2. Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- 3. Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- 4. Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- 5. Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- 6. The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- 7. Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- 8. Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- 9. Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- 10. Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- 11. Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- 12. Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

(B) PROGRAM SPECIFIC OUTCOME (PSOs)
Program should specify 2-4 program specific outcomes.

PSO1	Graduates will be able to analyze and design telecommunication networks with applicable consideration.
PSO2	Graduates will gain technical knowledge with necessary aptitude and soft skills to work in the ICT industry.

Declaration

The head of the institution needs to make a declaration as per the format given -

- I undertake that, the institution is well aware about the provisions in the NBA's accreditation manual concerned for this application, rules, regulations, notifications and NBA expert visit guidelines inforce as on date and the institutes hall fully abide by them.
- It is submitted that information provided in this Self Assessment Report is factually correct.
- I understand and agree that an appropriate disciplinary action against the Institute willbe initiated by the NBA. In case, any false statement/information is observed during pre-visit, visit, postvisit and subsequent to grant of accreditation.

Head of the Institute

Name : DR.K.RAMESH REDDY

Designation : PRINCIPAL

Signature :

Seal of The Institution :



Place : HYDERABAD

Date : 28-03-2024 17:57:07