



## Yearly Status Report - 2018-2019

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>		G.NARAYANAMMA INSTITUTE OF TECHNOLOGY AND SCIENCE (FOR WOMEN) AUTONOMOUS
Name of the head of the Institution		K Ramesh Reddy
Designation		Principal
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		040-23565648
Mobile no.		9849422460
Registered Email		principal@gnits.ac.in
Alternate Email		cegnits@gnits.ac.in
Address		Shaikpet
City/Town		Hyderabad
State/UT		Telangana
Pincode		500104

<b>2. Institutional Status</b>	
Autonomous Status (Provide date of Conformant of Autonomous Status)	28-Mar-2018
Type of Institution	Women
Location	Urban
Financial Status	private
Name of the IQAC co-ordinator/Director	Dr.K.Rama Linga Reddy
Phone no/Alternate Phone no.	04023565649
Mobile no.	9391045077
Registered Email	iqac@gnits.ac.in
Alternate Email	kattareddy2000@yahoo.com

<b>3. Website Address</b>	
Web-link of the AQAR: (Previous Academic Year)	<a href="http://www.gnits.ac.in/AQAR/2017-2018.pdf">http://www.gnits.ac.in/AQAR/2017-2018.pdf</a>
<b>4. Whether Academic Calendar prepared during the year</b>	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	<a href="http://www.gnits.ac.in/acalendar">http://www.gnits.ac.in/acalendar</a>

<b>5. Accrediation Details</b>					
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
2	B	2.53	2018	04-Dec-2018	31-Dec-2023
1	B	2.53	2014	21-Feb-2014	20-Feb-2019

<b>6. Date of Establishment of IQAC</b>	12-Jul-2012
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<b>7. Internal Quality Assurance System</b>
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Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by	Date & Duration	Number of participants/ beneficiaries

IQAC		
IQAC meeting	16-Aug-2018 1	20
Performance Based Appraisal System	01-Jul-2018 365	200
Mentoring System for mentoring students individually or collectively for academic and career development	01-Sep-2018 365	2500
ISO Audit	25-Sep-2018 1	200
Blooms and Andersons Taxonomy of levels of learning	23-Feb-2019 1	103
NBA Accreditation for PG Programmes	12-Apr-2019 3	54
NAAC Extension	04-Dec-2018 1	3200
NIRF	01-Nov-2018 1	3200
Feedback from Stakeholders	01-Apr-2019 1	900
<a href="#">View File</a>		

**8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.**

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
ECE	Major Projects	AICTE	2019 730	1930000
CSE	Minor Projects	AICTE (PMKVY)	2018 365	961380
CSE	INDUSTRY SPONSORED PROJECTS	BRIGHTEX BIO PHOTONICS PVT.LTD.	2019 730	450000
CSE	INDUSTRY SPONSORED PROJECTS	BRIGHTEX BIO PHOTONICS PVT.LTD.	2019 730	400000
INFORMATION TECHNOLOGY	INDUSTRY SPONSORED PROJECTS	HEBEON	2018 365	400000
INFORMATION TECHNOLOGY	INDUSTRY SPONSORED PROJECTS	DBPRO SOFTWARE SOLUTIONS	2018 730	250000
INFORMATION TECHNOLOGY	INDUSTRY SPONSORED PROJECTS	TERAEDGE	2018 365	235000

ECE	AICTE	AICTE	2018 365	369000
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**9. Whether composition of IQAC as per latest NAAC guidelines:**

Yes

Upload latest notification of formation of IQAC

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**10. Number of IQAC meetings held during the year :**

3

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website

Yes

Upload the minutes of meeting and action taken report

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**11. Whether IQAC received funding from any of the funding agency to support its activities during the year?**

No

**12. Significant contributions made by IQAC during the current year(maximum five bullets)**

Promoting Co Curricular Extra Curricular activities for the betterment of students and their placements Encouraging staff and students to register for online courses for the development of their technical knowledge Preplacement Training programs proposed by IQAC helped the students for acquiring more placements. GNITS has received Rs.83,57,260/ for Reserach grants from AICTE, UGC and other agencies. Conducting various FDP programmes for enriching knowledge on latest technological trends and improvement of the Quality of Teaching in GNITS,

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**13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year**

Plan of Action	Achivements/Outcomes
To construct 4th Floor on ECE CSE Block	The construction of CSE Block is completed. The construction of ECE Block also completed by which space for classrooms and labsare facilitated and Lift facility is provided for CSE,ECE and Admin blocks.
ISO Internal and External audit	Completed and action taken report was prepared
To organize IGNIUM 2k19	Two day national Level Technical Symposium IGNIUM 2k19 was organized on 9th march 2019 under ISTE Student

Chapter. The main events such as Technical paper presentation, Projects expo, Hackathon, mind sparks, Robotron , Battlebots were conducted.. Around 300 papers 100 posters and 40 Hardware projects ,60 teams for Hackathon and 45 teams for Robotron and Ballebots event were received from various engineering colleges of Telangana and Andhra Pradesh.

To Conduct Management Review Committee Meeting

Management Review Committee meeting conducted on 08-05-2019. In this meeting student results, feedback and placements were reviewed. Placements: 385 out of 455 eligible students  
 Results: (2017-2018 II Sem) IV B.Tech II Sem - 84.2% III B.Tech II Sem - 77.5% II B.Tech II Sem - 84 % I B.Tech II Sem - 81% I M.Tech II Sem - 52.7%  
 (2018-2019 I Sem) IV B.Tech I Sem - 73.7% III B.Tech I Sem - 80.4% II B.Tech I Sem - 76.6% I B.Tech I Sem - 82.8% I M.Tech I Sem - 77%  
 Students Feedback on faculty : 2017-2018 II Sem Very Good - 82 Good- 106 Satisfactory - 53 Needs Improvement - 6  
 2018-2019 I Sem Very Good - 88 Good- 124 Satisfactory - 61 Needs Improvement - 3  
 The committee expressed satisfaction on the results, placements and Feedback. Concerned HOD'S gave advices to faculty members to improve Result and Feedback. In some of the subjects it was observed that the pass percentage was less than 85. Remedial Classes were conducted for those subjects to improve the results in Supplementary Examinations

To Organize at least three FDP Programs on emerging technologies

Conducted FDP Programmes in CSE, ECE and EEE Departments

Conducting FDP program on Teaching and Learning, teaching methodologies for newly joined faculty in GNITS

Conducted FDP Program in Teaching and learning methodologies for Teaching staff

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14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body

Meeting Date

Governing Council

22-Dec-2018

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?

No

<b>16. Whether institutional data submitted to AISHE:</b>	Yes
Year of Submission	2019
Date of Submission	21-Jan-2019
<b>17. Does the Institution have Management Information System ?</b>	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>The Ecap software, contains the following modules is being used by all faculty, staff and students for so many years which is an MIS system adopted in this institution. Admissions: At the time of admissions, student's data is recorded in the ECap software and the same is used in all the modules. After completion of admissions, admission register is prepared by downloading and printing from the software. Student ID cards are issued from the admissions module. There is a possibility of editing and deleting the recorded data of students in the admissions module. Academics: Subjects allotment to the faculty, timetable setting, creation of labs and lab batches are performed in the academic module. Student's daily attendance and internal marks are posted by the faculty regularly through their individual logins in the academic module. Consolidated attendance and internal marks report can be downloaded. Employee: Faculty and staff members can see their regular attendance and leave history through their individual logins in Employee module. Daily attendance of the faculty and staff is recorded in the software through biometric system installed in various places in the campus. Faculty can apply leaves through their logins and the same is approved by the respective HODs. Staff movement during college hours is recorded through the biometric system installed at the main gate. Accounts Fee payments: The fee collections and other miscellaneous collections are recorded in the software by issuing an receipt. Day wise fee collection reports in the various modes of payments i.e.cash, bank , online etc can be downloaded. Fee dues list can be created which is</p>

easy to identify the fee defaulters.

Transport: Bus routes and stages are created and students are subscribed to the designated routes and stages. A report of list of students bus wise, route wise and stage wise can be created.

Hostel: Hostel block no.s, room numbers are created and rooms are allotted at the time hostel admissions at the starting of the academic year. Student list room wise, hostel wise and branch wise can be downloaded from the hostel reports. Separate biometric systems are installed in the hostel duly integrated into the ecap software. Hostel students attendance is recorded morning and evening and the reports can be downloaded regularly.

Administration: Academic calendar, College timings, holiday list can be set through administration module. Users, user levels can be created and necessary user permissions also can be given through the administration module.

Library : Books issue and return can be done by scanning barcode. Barcodes are also created according to the Accession No.of the books.

Examinations: Internal exam marks entry report and generation of reports can be done.

Correspondence: Communication sends to parents students about daily absenteeism of the students. Internal circulars can be issued to the faculty staff.

Student's Login: Students can login into the software from remote places using their roll number and default password. Students are able to see their performance like attendance, marks, fee dues, academic calendar, timetable etc. through their logins.

## Part B

### CRITERION I – CURRICULAR ASPECTS

#### 1.1 – Curriculum Design and Development

##### 1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BTech	02	Electrical Electronics Engineering	14/05/2018
BTech	04	Electronics & Telematics Engineering	14/05/2018
BTech	05	Computer Science &	14/05/2018

		Enginrrng	
BTech	12	Information Technology	14/05/2018
BTech	17	Electronics & Telematics Engineering	14/05/2018
Mtech	38	Digital Electronics & Communication Systems	14/05/2018
Mtech	54	Power Electronics & Electric Drives	14/05/2018
Mtech	58	Computer Science and Engineering	14/05/2018
Mtech	65	Wireless & Mobile Communications	14/05/2018
Mtech	78	Computer Networks & Information Security	14/05/2018

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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BTech	CSE	02/07/2018	Web Technologies (CS602PC)	02/07/2018
BTech	CSE	02/07/2018	Linear Algebra and Multivariable Calculus (BS111AB)	02/07/2018
BTech	CSE	02/07/2018	Programming for Problem Solving (ES111AF)	02/07/2018
BTech	CSE	02/07/2018	Programming Lab (ES11105)	02/07/2018
BTech	CSE	02/07/2018	Numerical Techniques and Transform Calculus (BS112AG)	02/07/2018
BTech	CSE	02/07/2018	English (HS112AJ)	02/07/2018
BTech	CSE	02/07/2018	English Professional and Communication Skills Lab (HS11212)	02/07/2018



BTech	CSE	02/07/2018	Computational Mathematics Lab (ES11210)	02/07/2018
BTech	CSE	02/07/2018	Mathematics - IV (MA301BS)	02/07/2018
BTech	CSE	02/07/2018	Data Structures through C++ (CS302ES)	02/07/2018
BTech	CSE	02/07/2018	Mathematical Foundations of Computer Science (CS303ES)	02/07/2018
BTech	CSE	02/07/2018	Digital Logic Design (CS304ES)	02/07/2018
BTech	CSE	02/07/2018	Object Oriented Programming through Java (CS305ES)	02/07/2018
BTech	CSE	02/07/2018	Data Structures through C++ Lab (CS306ES)	02/07/2018
BTech	CSE	02/07/2018	IT Workshop (CS307ES)	02/07/2018
BTech	CSE	02/07/2018	Object Oriented Programming through Java Lab (CS308ES)	02/07/2018
BTech	CSE	02/07/2018	Computer Organization (CS401BS)	02/07/2018
BTech	CSE	02/07/2018	Database Management Systems (CS402ES)	02/07/2018
BTech	CSE	02/07/2018	Operating Systems (CS403ES)	02/07/2018
BTech	CSE	02/07/2018	Formal Languages and Automata Theory (CS404ES)	02/07/2018
BTech	CSE	02/07/2018	Business Economics and Financial Analysis (SM405MS)	02/07/2018

BTech	CSE	02/07/2018	Computer Organization Lab (CS406ES)	02/07/2018
BTech	CSE	02/07/2018	Database Management Systems Lab (CS407ES)	02/07/2018
BTech	CSE	02/07/2018	Operating Systems Lab (CS408ES)	02/07/2018
BTech	CSE	02/07/2018	Design and Analysis of Algorithms (CS501PC)	02/07/2018
BTech	CSE	02/07/2018	Data Communication and Computer Networks (CS502PC)	02/07/2018
BTech	CSE	02/07/2018	Software Engineering (CS503PC)	02/07/2018
BTech	CSE	02/07/2018	Design and Analysis of Algorithms Lab (CS505PC)	02/07/2018
BTech	CSE	02/07/2018	Computer Networks Lab (CS506PC)	02/07/2018
BTech	CSE	02/07/2018	Software Engineering Lab (CS507PC)	02/07/2018
BTech	CSE	02/07/2018	Professional Ethics (MC500HS)	02/07/2018
BTech	CSE	02/07/2018	Compiler Design (CS601PC)	02/07/2018
BTech	CSE	02/07/2018	Cryptography and Network Security (CS603PC)	02/07/2018
BTech	CSE	02/07/2018	Cryptography and Network Security Lab (CS604PC)	02/07/2018
BTech	CSE	02/07/2018	Web Technologies Lab (CS605PC)	02/07/2018
BTech	CSE	02/07/2018	Advanced English Communication	02/07/2018

			Skills Lab (EN606HS)	
BTech	CSE	02/07/2018	Mobile Computing (CS611PE)	02/07/2018
BTech	CSE	02/07/2018	Design Patterns (CS612PE)	02/07/2018
BTech	CSE	02/07/2018	Artificial Intelligence (CS613PE)	02/07/2018
BTech	CSE	02/07/2018	Information Security Management (Security Analyst - I)( CS614PE)	02/07/2018
BTech	CSE	02/07/2018	Introduction to Analytics (Associate Analytics - I) ( CS615PE)	02/07/2018
BTech	CSE	02/07/2018	Linux Programming (A70511)	02/07/2018
BTech	CSE	02/07/2018	Design Patterns (A70530)	02/07/2018
BTech	CSE	02/07/2018	Data warehousing and Data Mining (A70520)	02/07/2018
BTech	CSE	02/07/2018	Cloud Computing (A70519)	02/07/2018
BTech	CSE	02/07/2018	Software Project Management (A70540)	02/07/2018
BTech	CSE	02/07/2018	Image Processing and Pattern Recognition (A70532)	02/07/2018
BTech	CSE	02/07/2018	Mobile Computing (A70536)	02/07/2018
BTech	CSE	02/07/2018	Computer Graphics (A70529)	02/07/2018
BTech	CSE	02/07/2018	Machine Learning	02/07/2018

			(A70534)	
BTech	CSE	02/07/2018	Soft Computing (A70539)	02/07/2018
BTech	CSE	02/07/2018	Information Retrieval System (A70533)	02/07/2018
BTech	CSE	02/07/2018	Artificial Intelligence (A70526)	02/07/2018
BTech	CSE	02/07/2018	Computer Forensics (A70628)	02/07/2018
BTech	CSE	02/07/2018	Linux Programming Lab (A70596)	02/07/2018
BTech	CSE	02/07/2018	Data warehousing and Data Mining Lab (A70595)	02/07/2018
BTech	CSE	02/07/2018	Management Science (A80014)	02/07/2018
BTech	CSE	02/07/2018	Web Services (A80551)	02/07/2018
BTech	CSE	02/07/2018	Semantic web and Social Networks (A80538)	02/07/2018
BTech	CSE	02/07/2018	Scripting Languages (A80537)	02/07/2018
BTech	CSE	02/07/2018	Multimedia & Rich Internet Applications (A80547)	02/07/2018
BTech	CSE	02/07/2018	Adhoc and Sensor Networks (A80542)	02/07/2018
BTech	CSE	02/07/2018	Storage Area Network (A80550)	02/07/2018
BTech	CSE	02/07/2018	Database Security (A80543)	02/07/2018
BTech	CSE	02/07/2018	Embedded Systems (A80439)	02/07/2018
BTech	CSE	02/07/2018	Industry Oriented Mini Project	02/07/2018

			(A80087)	
BTech	CSE	02/07/2018	Seminar (A80089)	02/07/2018
BTech	CSE	02/07/2018	Project Work (A80088)	02/07/2018
BTech	CSE	02/07/2018	Comprehensive Viva (A80090)	02/07/2018
BTech	EEE	02/07/2018	Programming for Problem solving (ES111AF)	02/07/2018
BTech	EEE	02/07/2018	Engineering Workshop (ES11104)	02/07/2018
BTech	EEE	02/07/2018	Basic Electrical Engineering (ES112AD)	02/07/2018
BTech	EEE	02/07/2018	English Professional and Communication Skills Lab (HS11212)	02/07/2018
BTech	EEE	02/07/2018	Electromagnetic Fields (EE302ES)	02/07/2018
BTech	EEE	02/07/2018	Electrical Machines-I (EE303ES)	02/07/2018
BTech	EEE	02/07/2018	Network Theory (EE304ES)	02/07/2018
BTech	EEE	02/07/2018	Electronic Circuits (EE305ES)	02/07/2018
BTech	EEE	02/07/2018	Environmental Science and Technology (MC300ES)	02/07/2018
BTech	EEE	02/07/2018	Switching Theory & Logic Design (EC401ES)	02/07/2018
BTech	EEE	02/07/2018	Power Systems -I (EE402ES)	02/07/2018
BTech	EEE	02/07/2018	Electrical Machines-II (EE403ES)	02/07/2018
BTech	EEE	02/07/2018	Control	02/07/2018

			Systems (EE404ES)	
BTech	EEE	02/07/2018	Business Economics and Financial Analysis (SM405MS)	02/07/2018
BTech	EEE	02/07/2018	Electrical Measurements & Instrumentation (EE501PC)	02/07/2018
BTech	EEE	02/07/2018	Power Systems -II (EE502PC)	02/07/2018
BTech	EEE	02/07/2018	Microprocessors & Microcontrol lers (EI503PC)	02/07/2018
BTech	EEE	02/07/2018	Fundamentals of Management (SM504MS)	02/07/2018
BTech	EEE	02/07/2018	Power Systems Analysis (EE601PC)	02/07/2018
BTech	EEE	02/07/2018	Power Electronics (EE602PC)	02/07/2018
BTech	EEE	02/07/2018	Switch Gear and Protection (EE603PC)	02/07/2018
BTech	EEE	02/07/2018	Non- Conventional Power Generation (EE511OE)	02/07/2018
BTech	EEE	02/07/2018	Electrical Engineering Materials (EE512OE)	02/07/2018
BTech	EEE	02/07/2018	Nanotechnology (EE513OE)	02/07/2018
BTech	EEE	02/07/2018	Design Estimation and costing of Electrical Systems (EE621OE)	02/07/2018
BTech	EEE	02/07/2018	Energy Storage Systems (EE622OE)'	02/07/2018
BTech	EEE	02/07/2018	Introduction to Mechatronics	02/07/2018

			(EE623OE)	
BTech	EEE	02/07/2018	Digital Signal Processing	02/07/2018
BTech	EEE	02/07/2018	Power System Operation and Control	02/07/2018
BTech	EEE	02/07/2018	HVDC Transmission and FACTS	02/07/2018
BTech	EEE	02/07/2018	Reliability Engineering	02/07/2018
BTech	EEE	02/07/2018	High Voltage Engineering	02/07/2018
BTech	EEE	02/07/2018	Switch Mode Power Supplies	02/07/2018
BTech	EEE	02/07/2018	Artificial Neural Networks and Fuzzy Systems	02/07/2018
BTech	EEE	02/07/2018	Electrical Distribution Systems	02/07/2018
BTech	EEE	02/07/2018	Static Electric Drives	02/07/2018
BTech	EEE	02/07/2018	Solar Photovoltaic Systems	02/07/2018
BTech	EEE	02/07/2018	Utilization of Electric Power	02/07/2018
BTech	EEE	02/07/2018	Entrepreneur Resource Planning	02/07/2018
BTech	EEE	02/07/2018	Management Information Systems	02/07/2018
BTech	EEE	02/07/2018	Organizational Behavior	02/07/2018
BTech	ECE	02/07/2018	Programming for Problem Solving (ES111AF)	02/07/2018
BTech	ECE	02/07/2018	Basic Simulation Lab (EC307ES)	02/07/2018
BTech	ECE	02/07/2018	Electronic Devices and Circuits Lab	02/07/2018

			(EC306ES)	
BTech	ECE	02/07/2018	Analog Communications Lab (EC406ES)	02/07/2018
BTech	ECE	02/07/2018	Pulse and Digital Circuits Lab EC407ES	02/07/2018
BTech	ECE	02/07/2018	Analog Electronics Lab- EC408ES	02/07/2018
BTech	ECE	02/07/2018	Linear IC Applications Lab -EC505PC	02/07/2018
BTech	ECE	02/07/2018	Digital IC Applications Lab- EC506PC	02/07/2018
BTech	ECE	02/07/2018	Digital Communications Lab -EC507PC	02/07/2018
BTech	IT	02/07/2018	Project Work (A80088)	02/07/2018
BTech	ECE	02/07/2018	Professional Ethics - MC500HS	02/07/2018
BTech	ECE	02/07/2018	Computer Organization and Operating System -EC611PE	02/07/2018
BTech	ECE	02/07/2018	Digital Image Processing -EC612PE	02/07/2018
BTech	ECE	02/07/2018	Digital System Design -EC614PE	02/07/2018
BTech	ECE	02/07/2018	Antennas and Wave Propagation - EC610PC	02/07/2018
BTech	ECE	02/07/2018	Microprocessors and Microcontrollers -EC602PC	02/07/2018
BTech	ECE	02/07/2018	Digital Signal Processing - EC603PC	02/07/2018
BTech	ECE	02/07/2018	MPMC Lab - EC604PC	02/07/2018
BTech	ECE	02/07/2018	Digital Signal	02/07/2018



			Processing Lab- EC605PC	
BTech	ECE	02/07/2018	Advanced English Communication Skills Lab- EN606HS	02/07/2018
BTech	ECE	02/07/2018	Microwave Engineering - A70442	02/07/2018
BTech	ECE	02/07/2018	Computer Networks- A70515	02/07/2018
BTech	ECE	02/07/2018	Cellular and Mobile Communications - A70434	02/07/2018
BTech	ECE	02/07/2018	Digital Image Processing- A70436	02/07/2018
BTech	ECE	02/07/2018	Object Oriented Programming through Java - A70505	02/07/2018
BTech	ECE	02/07/2018	Embedded Systems Design - A70440	02/07/2018
BTech	ECE	02/07/2018	Advanced Communication Skills Lab - A760086	02/07/2018
BTech	ECE	02/07/2018	Microwave Engineering and Digital Communications Lab - A70499	03/07/2018
BTech	ECE	02/07/2018	Industry Oriented Mini Project - A80087	02/07/2018
BTech	ECE	02/07/2018	Seminar - A80089	02/07/2018
BTech	ECE	02/07/2018	Major Project - A80088	02/07/2018
BTech	IT	02/07/2018	Programming for Problem Solving (ES111AF)	02/07/2018
BTech	IT	02/07/2018	Programming Lab (ES11105)	02/07/2018

BTech	IT	02/07/2018	English Professional and Communication Skills Lab (HS11212)	02/07/2018
BTech	IT	02/07/2018	Object Oriented Programming through Java (CS305ES)	02/07/2018
BTech	IT	02/07/2018	IT Workshop (CS307ES)	02/07/2018
BTech	IT	02/07/2018	Object Oriented Programming through Java Lab (CS308ES)	02/07/2018
BTech	IT	02/07/2018	Database Management Systems (CS402ES)	02/07/2018
BTech	IT	02/07/2018	Database Management Systems Lab (CS407ES)	02/07/2018
BTech	IT	02/07/2018	Data Communication and Computer Networks (CS502PC)	02/07/2018
BTech	IT	02/07/2018	Computer Networks Lab (CS506PC)	02/07/2018
BTech	IT	02/07/2018	Web Technologies (CS602PC)	02/07/2018
BTech	IT	02/07/2018	Cryptography and Network Security Lab (CS604PC)	02/07/2018
BTech	IT	02/07/2018	Web Technologies Lab (CS605PC )	02/07/2018
BTech	IT	02/07/2018	Advanced English Communication Skills Lab (EN606HS)	02/07/2018
BTech	IT	02/07/2018	Information Security (A70522)	02/07/2018

BTech	IT	02/07/2018	Web Services (A80551)	02/07/2018
BTech	IT	02/07/2018	E-Commerce (A80544)	02/07/2018
BTech	IT	02/07/2018	Artificial Intelligence (A80526)	02/07/2018
BTech	IT	02/07/2018	Machine Learning (A80534)	02/07/2018
BTech	IT	02/07/2018	Industry Oriented Mini Project (A80087)	02/07/2018
BTech	IT	02/07/2018	Comprehensive Viva (A80090)	02/07/2018
BTech	ETE	02/07/2018	Programming For Problem Sol ving(ES111AF)	02/07/2018
BTech	ETE	02/07/2018	Programming Lab(ES11105)	02/07/2018
BTech	ETE	02/07/2018	English Professional And Communication Skills Lab(HS11212)	02/07/2018
BTech	ETE	02/07/2018	Basic Simulation Lab(EC307ES)	02/07/2018
BTech	ETE	02/07/2018	Business Economics and Financial Analy sis(SM405MS)	02/07/2018
BTech	ETE	02/07/2018	Switching Theory and Logic Design(EC401ES)	02/07/2018
BTech	ETE	02/07/2018	Pulse and Digital Circuit s(EC402ES)	02/07/2018
BTech	ETE	02/07/2018	Analog Electronics Lab(EC408ES)	02/07/2018
BTech	ETE	02/07/2018	Pulse and Digital Circuits Lab(EC407ES)	02/07/2018
BTech	ETE	02/07/2018	Management Science(A70014)	02/07/2018
BTech	ETE	02/07/2018	Advanced Tele	02/07/2018

			communication Technologies(A70433)	
BTech	ETE	02/07/2018	Spread Spectrum Communications(A70446)	02/07/2018
BTech	ETE	02/07/2018	Embedded Systems Design(A70440)	02/07/2018
BTech	ETE	02/07/2018	Computer Networks Lab(A70594)	02/07/2018
BTech	ETE	02/07/2018	Advanced Telecommunications Lab(A70495).	02/07/2018
BTech	ETE	02/07/2018	Wireless Communication & Networks(A80454)	02/07/2018
BTech	ETE	02/07/2018	Internetworking(A80448)	02/07/2018
BTech	ETE	02/07/2018	Industry Oriented Mini Project(A80087)	02/07/2018
BTech	ETE	02/07/2018	Seminar(A80089)	02/07/2018
BTech	ETE	02/07/2018	Project Work(A80088)	02/07/2018
Mtech	CSE	01/08/2018	Advanced Data Structures(515801)	01/08/2018
Mtech	CSE	01/08/2018	Mathematical Foundations of Computer Science(515802)	01/08/2018
Mtech	CSE	01/08/2018	Machine Learning (515803)	01/08/2018
Mtech	CSE	01/08/2018	Introduction to Intelligent Systems(515804)	01/08/2018
Mtech	CSE	01/08/2018	Advanced Data Mining(515805)	01/08/2018
Mtech	CSE	01/08/2018	Data Science(515806)	01/08/2018
Mtech	CSE	01/08/2018	Distributed Systems(515807)	01/08/2018

Mtech	CSE	01/08/2018	Advanced Wireless and Mobile Networks ((515808)	01/08/2018
Mtech	CSE	01/08/2018	Advanced Data Structures Lab(515809)	01/08/2018
Mtech	CSE	01/08/2018	Machine Learning Lab (515810)	01/08/2018
Mtech	CSE	01/08/2018	Introduction to Intelligent Systems Lab (515843)	01/08/2018
Mtech	CSE	01/08/2018	Advanced Data Mining Lab (515844)	01/08/2018
Mtech	CSE	01/08/2018	Research Methodology and IPR(515811)	01/08/2018
Mtech	CSE	01/08/2018	English for Research Paper Writing(515812)	01/08/2018
Mtech	CSE	01/08/2018	Pedagogy Studies(515814)	01/08/2018
Mtech	CSE	01/08/2018	Personality Development through Life Enlightenment Skills(515815)	01/08/2018
Mtech	CSE	01/08/2018	Advanced Algorithms(515816)	01/08/2018
Mtech	CSE	01/08/2018	Soft Computing(515817)	01/08/2018
Mtech	CSE	01/08/2018	Data Preparation and Analysis(515818)	01/08/2018
Mtech	CSE	01/08/2018	Computer Vision(515819)	01/08/2018
Mtech	CSE	01/08/2018	Distributed Databases(515820)	01/08/2018
Mtech	CSE	01/08/2018	Digital Forensics(515822)	01/08/2018
Mtech	CSE	01/08/2018	Cluster and Grid Computing(515823)	01/08/2018
Mtech	CSE	01/08/2018	Advanced Algorithms Lab(515824)	01/08/2018

Mtech	CSE	01/08/2018	Data Preparation and Analysis Lab(515825)	01/08/2018
Mtech	CSE	01/08/2018	Computer Vision Lab (515845)	01/08/2018
Mtech	CSE	01/08/2018	Distributed Databases Lab (515846)	01/08/2018
Mtech	CSE	01/08/2018	Mini Project with Seminar(515826)	01/08/2018
Mtech	CSE	01/08/2018	Big Data Analytics(515833)	01/08/2018
Mtech	CSE	01/08/2018	Value Education(515828)	01/08/2018
Mtech	CSE	01/08/2018	Constitution of India (515829)	01/08/2018
Mtech	CSE	01/08/2018	Technical Paper Writing	01/08/2018
Mtech	CSE	01/08/2018	Comprehensive Viva-Voce	01/08/2018
Mtech	CSE	01/08/2018	Project Work Review II	01/08/2018
Mtech	CSE	01/08/2018	Project Work Review III	01/08/2018
Mtech	CSE	01/08/2018	Project Evaluation(viva Voce)	01/08/2018
Mtech	PEED	01/08/2018	Advanced Electric Drives(515401)	01/08/2018
Mtech	PEED	01/08/2018	Modeling and Analysis of Electrical Machines (515402)	01/08/2018
Mtech	PEED	01/08/2018	Advanced Power Electronic Circuits (515403)	01/08/2018
Mtech	PEED	01/08/2018	Optimal and Adaptive Control(515404)	01/08/2018
Mtech	PEED	01/08/2018	Dynamics of Electrical Machines(515405)	01/08/2018

Mtech	PEED	01/08/2018	Static VAR Controllers and Harmonic Filtering (515406)	01/08/2018
Mtech	PEED	01/08/2018	HVDC Transmission(515407)	01/08/2018
Mtech	PEED	01/08/2018	Modelling of Power Semiconductor Devices(515408)	01/08/2018
Mtech	PEED	01/08/2018	English for Research Paper Writing(515412)	01/08/2018
Mtech	PEED	01/08/2018	Disaster Management(515413)	01/08/2018
Mtech	PEED	01/08/2018	Pedagogy Studies(515414)	01/08/2018
Mtech	PEED	01/08/2018	Personality Development through Life Enlightenment Skills(515415)	01/08/2018
Mtech	PEED	01/08/2018	Research Methodology and IPR , (515411)	01/08/2018
Mtech	PEED	01/08/2018	Power Quality (515416)	01/08/2018
Mtech	PEED	01/08/2018	Digital Control of Power Electronics and Drive Systems (515417)	01/08/2018
Mtech	PEED	01/08/2018	Smart Grid(515418)	01/08/2018
Mtech	PEED	01/08/2018	Switched Mode and Resonant Converters(515419)	01/08/2018
Mtech	PEED	01/08/2018	Electric Vehicles(515420)	01/08/2018
Mtech	PEED	01/08/2018	Advanced Microcontroller based Systems (515421)	01/08/2018
Mtech	PEED	01/08/2018	Distributed Generation(515422)	01/08/2018
Mtech	PEED	01/08/2018	Digital Signal	01/08/2018

			Processors (515423)	
Mtech	PEED	01/08/2018	PLCs and FPGAs (515431)	01/08/2018
Mtech	PEED	01/08/2018	FACTS and Custom Power Devices(515432)	01/08/2018
Mtech	PEED	01/08/2018	Design of Power Converters (515433)	01/08/2018
Mtech	PEED	01/08/2018	Business Anal ytics(515434).	01/08/2018
Mtech	PEED	01/08/2018	Industrial Safety(515435).	01/08/2018
Mtech	PEED	01/08/2018	Operations Re search(515436).	01/08/2018
Mtech	PEED	01/08/2018	Cost Management of Engineering Pro jects(515437).	01/08/2018
Mtech	PEED	01/08/2018	Composite Mat erials(515438).	01/08/2018
Mtech	PEED	01/08/2018	Energy from Waste(515439).	01/08/2018
Mtech	PEED	01/08/2018	Power from Renewable Energy Sources(515440)	01/08/2018
Mtech	DECS	01/08/2018	Advanced Digital System Lab - PCL1	01/08/2018
Mtech	DECS	01/08/2018	Wireless and Mobile Communications Lab - PCL2	01/08/2018
Mtech	DECS	01/08/2018	Microcontroll ers and Programmable Digital Signal Processors Lab PCL3	01/08/2018
Mtech	DECS	01/08/2018	Advanced Communications Networks Lab- PCL4	01/08/2018
Mtech	CNIS	01/08/2018	Computer Networking	01/08/2018
Mtech	CNIS	01/08/2018	Digital Forensics	01/08/2018



Mtech	CNIS	01/08/2018	Intrusion Detection	01/08/2018
Mtech	CNIS	01/08/2018	Cyber Security	01/08/2018
Mtech	CNIS	01/08/2018	Cloud Computing	01/08/2018
Mtech	CNIS	01/08/2018	Information Security	01/08/2018
Mtech	CNIS	01/08/2018	MINI PROJECT with Seminar	01/08/2018
Mtech	WMC	01/08/2018	Adhoc Wireless Networks(PC 2)	01/08/2018
Mtech	WMC	01/08/2018	Wireless LANS & PANS(PSE 2)	01/08/2018
Mtech	WMC	01/08/2018	Wireless and Mobile Communications Lab (PCL 1)	01/08/2018
Mtech	WMC	01/08/2018	Adhoc Wireless Networks Lab(PCL 2)	01/08/2018
Mtech	WMC	01/08/2018	Wireless Sensor Networks (PC 4)	01/08/2018
Mtech	WMC	01/08/2018	Research Methodology and IPR (PW)	01/08/2018
Mtech	WMC	01/08/2018	Advanced Communications Systems Lab (PCL 3)	01/08/2018
Mtech	WMC	01/08/2018	Wireless Sensor Networks Lab (PCL 4)	01/08/2018
Mtech	WMC	01/08/2018	Mini Project(PW)	01/08/2018
Mtech	WMC	01/08/2018	Microcontroller & Embedded System Design(PSE 5)	01/08/2018
Mtech	WMC	01/08/2018	Project/ Dissertation Work(PW)	01/08/2018
Mtech	WMC	01/08/2018	English for Research paper Writing(AC 1)	01/08/2018
Mtech	WMC	01/08/2018	Personality	01/08/2018

Development  
through Life  
Enlightenment  
Skills(AC 1)

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## 1.2 – Academic Flexibility

### 1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
<b>No Data Entered/Not Applicable !!!</b>		
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### 1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	EEE	02/07/2018
BTech	ECE	02/07/2018
BTech	CSE	02/07/2018
BTech	IT	02/07/2018
BTech	ETE	02/07/2018
Mtech	PEED	01/08/2018
Mtech	DECS	01/08/2018
Mtech	CSE	01/08/2018
Mtech	CNIS	01/08/2018
Mtech	WMC	01/08/2018

## 1.3 – Curriculum Enrichment

### 1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
ServiceNow Application Development	25/07/2018	77
Virtual Labs	16/08/2018	98
Web development using AngularJS	29/09/2018	52
Android	08/03/2019	98
Machine Learning with Python IBM Watson	03/06/2019	20
IoT with IBM Cloud	18/06/2019	31
CFEPD (Smart Bridge)	11/08/2018	110
C/C (Hebeon)	29/12/2018	131
IOT	18/08/2018	85
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### 1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field
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		Projects / Internships
BTech	Computer Science & Engineering	119
BTech	Electronics & Communications Engineering	46
BTech	Information Technology	55
BTech	Electrical & Electronics Engineering	66
BTech	Electronics & Telematics Engineering	29
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## 1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	No
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution?  
(maximum 500 words)

Feedback Obtained
<p>Feedback obtained from various stake holders offers great help in improving the institution and contributes highly to its overall development. It provides a clear expectation of performance by the stakeholders and gives insight into the strengths and weaknesses of the institution. Feedback is in fact the key to the institution's success. The feedback is collected annually from all the stakeholders and is used in the following places</p> <ul style="list-style-type: none"> <li>• To check whether the Vision and Mission of the departments as well as the institution are being met.</li> <li>• To take inputs while Forming and updating program curriculums.</li> <li>• Improving quality of the various programs offered by the institute.</li> <li>• To check Attainment levels of the PEOs (Program Educational objectives) .</li> <li>• To know if the infrastructural facilities and other facilities provided by the institution like library , Wifi , transport, hostel etc are good.</li> <li>• Analyzing the impact of the teaching learning methodologies used in the institution.</li> <li>• To analyze the performance of faculty.</li> </ul> <p>Feedback is collected from following stakeholders :</p> <p>Student feedback :</p> <ul style="list-style-type: none"> <li>• A Graduate Student Exit Survey is done for the outgoing students in which questionnaires are answered by the students . The questions are framed in such a way that , they directly relate to the attainment of PEOs .</li> <li>• One final year student is made part of the DAC (Departmental Advisory committee ) to give inputs and help in the improvement of the program.</li> <li>• A CRC( Class Review Committee) meeting consisting of students from every year ( IInd, IIIrd and IV) , is conducted twice in semester to know the status of the courses being taught and identify the difficulties of students if any. Appropriate measures are immediately taken by the heads of the department to resolve them.</li> <li>• Feedback on faculty is taken from students at the end of every semester to know about the faculty performance. This gives faculty an opportunity to assess their strengths and weaknesses and improve accordingly.</li> </ul> <p>Alumni feedback : Feedback from Alumni is collected every year to know the accomplishment/progress in their professional advancement after graduation, based on the Graduate</p>

Programme Study at the institution. This feedback also helps to find out whether the programme has helped them in carrying out self learning post their study at the institution. This feedback helps in assessing the status of the institution with respect to the industry demands. It gives an insight into the various modern technologies that a graduate needs to be aware of so as to fare well in the industry. The department/institute analyzes these feedbacks and updates the programs accordingly. Parents feedback: The feedback from parents is taken as inputs and are treated as sources of inspiration and encouragement for fine tuning our academic processes. This feedback helps in knowing the satisfaction level of parents with reference to the curriculum offered, laboratory equipment provided and modern scientific tools available, student transport/ hostel facilities, safety and security measures taken up by the institution, medical facilities, infrastructural facilities, campus placement

## CRITERION II – TEACHING- LEARNING AND EVALUATION

### 2.1 – Student Enrolment and Profile

#### 2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BTech	Electrical & Electronics Engineering	120	136305	120
BTech	Electronics & Communications Engineering	180	136305	180
BTech	Computer Science & Engineering	180	136305	180
BTech	Information Technology	120	136305	120
BTech	Electronics and Telematics Engineering	60	136305	60
Mtech	Power Electronics & Electric Drives	18	15644	12
Mtech	Computer Science & Engineering	18	15644	18
Mtech	Digital Electronic and Communication Systems	18	15644	14
Mtech	Computer Networks & Information Security	18	15644	15
Mtech	Wireless and Mobile Communications	18	15644	17

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## 2.2 – Catering to Student Diversity

### 2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	660	76	185	15	200

## 2.3 – Teaching - Learning Process

### 2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
200	170	10	50	5	14

### 2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

Mentoring and Counseling: • Attendance of the students is monitored on a regular basis, and communication is sent to the parents/guardians if any student is falling short of the requirements or continually absent without intimation. Special Counseling is also imparted to such students, alerting them to become attentive. • Regular Counselor is appointed (1 faculty for each 15 to 20 students), who monitors the performance and advises the students as needed. For Weak Students: • Remedial Classes are conducted for those students who could not succeed in some of the earlier courses. • Out of turn counseling is done for very poor students. • Bridge Courses in Maths and English are conducted for Lateral Entry Students, who have deficiencies because of their academic back ground limitations. • Remedial/Bridge Classes are usually conducted in the Saturday Afternoon Sessions or in the available vacant slots of timetable schedule. For Bright Students: • Based on the performance, the students who are bright are encouraged by giving Gold medal, Young Engineer Award and cash prizes are announced at the time of College Annual Day. • The Top fifteen students from each class are allowed to attend various seminars, workshops for improving their technical knowledge and skills. • Students who got more than 95 of attendance of all Years of B.Tech will be awarded as Most Sincere Student. Also awards will be given to the students who got best score in various competitive exams like GRE, TOEFL, Gate etc. Among various departments of the college, students who got best performance all over will be considered as Student President of Annual day celebration who is eligible for seating in the dais along with the dignitaries. Also the photographs of these students will be published in college newsletter, which will be released yearly twice.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2952	200	1 : 15

## 2.4 – Teacher Profile and Quality

### 2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
132	200	0	7	38

### 2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year )

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
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2019	Dr.M.Seetha	Professor	Best paper award for the paper entitled "Stress detection based on multimodal data", Srikrishna college of engineering technology, chennai
2019	Dr. N. Kalyani	Professor	Spirit of Anveshana Award from Anveshana Foundation
2019	Dr. N. Kalyani	Professor	Star Achiever Award from M/s Accenture Services Pvt. Ltd
2019	Dr.A.Sharada	Professor	Best paper award for the paper entitled "Stress detection based on multimodal data", Srikrishna college of engineering technology, chennai
2019	Mrs T Swapna	Assistant Professor	Best paper award for the paper entitled "Stress detection based on multimodal data", Srikrishna college of engineering technology, chennai
2019	Mrs. Y Sravani Devi	Assistant Professor	Best paper award for the paper entitled "Stress detection based on multimodal data", Srikrishna college of engineering technology, chennai
2018	Dr. N. Kalyani	Professor	Best Teacher Award from Institute for Exploring Advances in Engineering
2018	Dr. N. Kalyani	Professor	Recognized as "Reviewer for Institute for Exploring Advances in Engineering"
2018	Dr. N. Kalyani	Professor	Recognized as "Professional member of Institute for Exploring Advances in Engineering"

2018	Dr.A.Sharada	Professor	Best Teacher Award from Institute for Exploring Advances in Engineering
2018	Dr.A.Sharada	Professor	Recognized as "Reviewer for Institute for Exploring Advances in Engineering
2018	Dr.A.Sharada	Professor	Recognized as "Professional member of Institute for Exploring Advances in Engineering"
2018	Dr.A.Sharada	Professor	Organizing committee member for fourth international conference on Recent Challenges in Engg. Technology , Tirupathi
2018	Mrs. P.Sunitha Devi	Assistant Professor	Trainer for Pradhana manthri koushal vikasa yojana(PMKVY)
2018	Dr.G.Malini Devi	Assistant Professor	Young Achiever Award from Institute for Exploring Advances in Engineering
2018	Dr.G.Malini Devi	Assistant Professor	Recognized as "Reviewer for Institute for Exploring Advances in Engineering
2018	Mrs M Lalitha	Assistant Professor	Trainer for Pradhana manthri koushal vikasa yojana(PMKVY)
2018	Mrs.BhageshwariRatk al	Assistant Professor	Trainer for Pradhana manthri koushal vikasa yojana(PMKVY)
2018	Mrs. V. Divya Raj	Assistant Professor	Trainer for Pradhana manthri koushal vikasa yojana(PMKVY)
2018	Mrs M Madhuri Latha	Assistant Professor	Qualified for Asst.Prof and JRF in NET, Dec 2018
2018	Dr. R. Swapna	Associate Professor	Excellence in

			Research
2018	Mr. Y. Rakesh Kumar	Associate Professor	Young Achiever Award
2018	Dr. B. Venkateshulu	Professor	IE Fellowship
2018	Dr. K. Ragini	Professor	IE Fellowship
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## 2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BTech	02,04,05,12,17	I Year I Semester	24/12/2018	30/01/2019
BTech	02,04,05,12,17	II Year I Semester	08/12/2018	09/02/2019
BTech	02,04,05,12	III Year I Semester	08/12/2018	06/02/2019
BTech	02,04,05,12,17	IV Year I Semester	08/12/2018	25/01/2019
BTech	02,04,05,12,17	I Year II Semester	22/05/2019	19/06/2019
BTech	02,04,05,12,17	II Year II Semester	20/05/2019	10/07/2019
BTech	02,04,05,12	III Year II Semester	20/05/2019	09/07/2019
BTech	02,04,05,12,17	IV Year II Semester	20/05/2019	19/06/2019
Mtech	38,54,58,65,78	I Year I Semester	09/01/2019	30/01/2019
Mtech	38,54,58,65,78	I Year II Semester	08/07/2019	17/08/2019
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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
13	2857	0.5

## 2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

<http://www.gnits.ac.in/>

2.6.2 – Pass percentage of students

Programme	Programme	Programme	Number of	Number of	Pass Percentage
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Code	Name	Specialization	students appeared in the final year examination	students passed in final year examination	
02	BTech	Electrical and Electronics Engineering	139	136	98
04	BTech	Electronics and Communication Engineering	212	191	90
05	BTech	Computer Science and Engineering	219	201	92
12	BTech	Information Technology	121	110	91
17	BTech	Electronics and Telematics Engineering	62	56	90
38	Mtech	Digital Electronic and Communication Systems	17	14	82
54	Mtech	Power Electronics & Electric Drives	10	10	100
58	Mtech	Computer Science & Engineering	18	18	100
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## 2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

<https://www.gnits.ac.in/IOAC/StudentSatisfactionSurvey.pdf>

## CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 – Promotion of Research and Facilities

3.1.1 – The institution provides seed money to its teachers for research

No

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3.1.2 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
<b>No Data Entered/Not Applicable !!!</b>				

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### 3.2 – Resource Mobilization for Research

#### 3.2.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Minor Projects	365	AICTE:PMKVY – TI• Domestic Data entry Operator• Domestic IT Helpdesk Attendant• Junior Software Developer	9.61	2.88
Industry sponsored Projects	730	Brigh Tex BioPhotonics Pvt.Ltd. (BTBP)	4.5	4.5
Industry sponsored Projects	730	Brigh Tex BioPhotonics Pvt.Ltd. (BTBP)	4	4
Industry sponsored Projects	365	Hebeon	4	4
Industry sponsored Projects	730	dbPro Software Solutions	2.5	1.25
Industry sponsored Projects	365	Teraedge	2.35	2.35
Students Research Projects (Other than compulsory by the University)	120	IGNITRON VJIM: Business Plan Competition	0.5	0.5
Any Other (Specify)	365	AICTE STTP	3.69	3.69
Major Projects	730	AICTE MODROBs	19.3	15.41
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#### 3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

5

### 3.3 – Innovation Ecosystem

#### 3.3.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Gender Sensitivity Women Entrepreneurship	EDC	02/03/2019

JHUB central hackathon	Students of GNITS participated at JNTUH	16/03/2019
EXCITE program under JHUB at University Campus	JHUB at JNTUH campus.	22/04/2019
Orientation program on TEP conducted by ISB under TASK programme	GNITS EDCCELL	18/09/2018
Entrepreneurial Spirit programme, GNITS	GNITS EDCcell ICell in association with JHUB	28/09/2018
Block Chain Technology	CSE	17/12/2018
IoT Idea Hackathon	CSE	15/09/2018
Android Hackathon	CSE	09/03/2019
Python Programming	CSE	29/12/2018
Security Applications using Blockchain Technology	CSE	10/12/2018
Hackathon and Prototype Development Event	GNITS	20/08/2018
24 Hours Hackathon Program	IT	30/03/2019
1 Day Workshop on EYantra Lab	IT	29/03/2019
2 Day workshop on Ethical Hacking Cyber Security	IT	01/03/2019
2Day workshop on Android Application Development	IT	23/02/2019
3Day workshop on Web Development	IT	25/09/2018
Kick starting your Entrepreneurial Spirit	EDC	28/09/2018
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### 3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Best paper award for the paper entitled "Stress detection based on multimodal data"	Dr. M. Seetha	Srikrishna college of engineering technology, chennai	02/02/2019	Engineering and Technology
Spirit of Anveshana Award	Dr. N Kalyani	ZPHS Shaikpet from Anveshana Foundation	01/02/2019	Engineering and Technology
Star Achiever Award	Dr. N Kalyani	M/s Accenture Services Pvt. Ltd	15/03/2019	Engineering and Technology
Best paper award for the	Dr. A. Sharada	Srikrishna college of	02/02/2019	Engineering and Technology

paper entitled "Stress detection based on multimodal data"		engineering technology, chennai		
Best paper award for the paper entitled "Stress detection based on multimodal data"	Mrs.T.Swapna	Srikrishna college of engineering technology, chennai	02/02/2019	Engineering and Technology
Best paper award for the paper entitled "Stress detection based on multimodal data"	Mrs.Y Sravani Devi	Srikrishna college of engineering technology, chennai	02/02/2019	Engineering and Technology
Bharat Ratna Dr.Abdul Kalam Gold medal Award	Dr. M. Seetha	Global Economic Progress Research Association	09/07/2018	Engineering and Technology
Young Achiever Award	Dr. G.Malini Devi	Institute for Exploring Advances in Engineering	01/08/2018	Engineering and Technology
Young Achiever Award	Y. Rakesh Kumar	IEAE	01/06/2018	Paper Publication
Excellence in Research	Dr. R. Swapna	EET CRS	01/07/2018	Research
Smart Antenna	S.Shruthika, K.Kruthika	IEEE GNITS Student Branch	20/03/2019	Engineering and Technology
<a href="#">View File</a>				

### 3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
Center for Skin Analysis using AI	BTBP	CEO: Raj ChhibberBrighte x BioPhotonics HMTV Lane, East Maruthi Nagar, Anupuram Colony, Dr.A.S.Rao Nagar Secunderabad, Telangana - 500 062	Center for Skin Analysis using AI	AI	02/07/2018
Research	MAAC Lab	Apple India	Apple giving	Training	02/07/2018

Oriented app development Lab		Pvt. Ltd.	programme - organization certification		
<a href="#">View File</a>					

### 3.4 – Research Publications and Awards

#### 3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
NIL	0

#### 3.4.2 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
National	ECE	7	4.1
National	EEE	1	0
International	CSE	24	4.31
International	ECE	7	5.22
International	EEE	17	5.17
International	IT	20	5.08
International	ETE	11	3.16
International	MECH	1	5.87
International	BS	19	4.65
International	HM	9	5.3
<a href="#">View File</a>			

#### 3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
ECE	6
EEE	18
ETE	5
BS	3
HM	1
CSE	15
IT	6
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#### 3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
<b>No Data Entered/Not Applicable !!!</b>			
No file uploaded.			

#### 3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the	Name of	Title of journal	Year of	Citation Index	Institutional	Number of
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Paper	Author		publication		affiliation as mentioned in the publication	citations excluding self citation
Comparative Analysis of Spatial Image Classification Techniques using Rough Sets	Dr.M.Seetha	International Journal of Geoinformatics	2018	7	G Narayana mma Institute of Technology and Science	0
Accuracy assessment of Rough set based SVM Technique for spatial image classification	Dr.M.Seetha	International Journal of Knowledge and Learning	2018	7	G Narayana mma Institute of Technology and Science	0
Unit selection to Improve Naturalness in Speech Synthesis	P.Sunitha devi	International Journal of Applied Engineering Research	2018	0	G Narayana mma Institute of Technology and Science	0
Alcohol Detection and Vehicle Ignition Locking System	A.Sharath Kumar	International Journal of Mechanical Engineering and Technology	2018	0	G Narayana mma Institute of Technology and Science	0
Alcohol Detection and Vehicle Ignition Locking System	Vasundhara Ramireddy	International Journal of Mechanical Engineering and Technology	2018	0	G Narayana mma Institute of Technology and Science	0
Alcohol Detection and Vehicle Ignition Locking System	G.Varsha	International Journal of Mechanical Engineering and Technology	2018	0	G Narayana mma Institute of Technology and Science	0
Conjunctive Keyword Search (CKS) technique using	D.Naga Swetha	Journal of Advanced Research in Dynamical and	2018	0	G Narayana mma Institute of Technology and	0

Series of Ngram filters for Security and Privacy in Cloud		Control Systems				Science	
Design of a Novel Highspeed and energy efficient 32 bit carry skip adder	Dr.K.Ragini	Springer Journal	2019	0	G Narayana mma Institute of Technology and Science		0
Design of a highly reliable and reconfigurable pulsed latch circuits	Dr.K.Ragini	Springer Journal	2019	0	G Narayana mma Institute of Technology and Science		31
Music Mood Categorization: A Survey	T.Vandana	International Conference on Intelligent Computing and Communication Technologies	2019	0	G Narayana mma Institute of Technology and Science		0
Intrusion Detection System Using SMIFS and Multi class Multi Layer Perceptron	Dr.I.Ravi Prakash Reddy	Journal of Computational and Theoretical Nano Science	2018	0	G Narayana mma Institute of Technology and Science		0
Book Chapter: Web Service Specification and Discovery	Dr.V.Surpiya	Book Title: Web Services Theory Practice	2018	0	G Narayana mma Institute of Technology and Science		0
Survey of resource management techniques in fog computing	Ms.V.Usha	International Journal of Engineering Technology	2018	0	G Narayana mma Institute of Technology and		0

					Science	
Mutual Information Based Intrusion Detection System Using Multilayer Neural Network	Dr.I.Ravi Prakash Reddy	First International Conference on Artificial Intelligence and Cognitive Computing	2018	0	G Narayana mma Institute of Technology and Science	0
Adaptive Risk Prediction and Anonymous Secured Communication in Manet for Medical Informatics	A.Naveena	Journal of Medical Systems (Springer)	2018	0	G Narayana mma Institute of Technology and Science	0
Adaptive Risk Prediction and Anonymous Secured Communication in Manet for Medical Informatics	Dr. K. Rama Linga Reddy	Journal of Medical Systems (Springer)	2019	0	G Narayana mma Institute of Technology and Science	0
An Effective Hybrid Approach for PAPR Reduction in MIMOOFDM	Ms. M.Vijaya Lakshmi	International Journal of Analog Integrated circuits and Signal Processing (Springer)	2019	0	G Narayana mma Institute of Technology and Science	0
An Effective Hybrid Approach for PAPR Reduction in MIMOOFDM	Dr. K. Rama Linga Reddy	International Journal of Analog Integrated circuits and Signal Processing (Springer)	2019	0	G Narayana mma Institute of Technology and Science	0
Secure Medical Image Steganography through	Dr. RajKumar L.B	Springer Health and Technology journal	2018	0	G Narayana mma Institute of Technology	0



Optimal Pixel Selection by EHMB Pipelined Optimization Technique					and Science	
Role of Mn <sup>2+</sup> ions on optical and luminescent properties of CaF <sub>2</sub> -Y <sub>2</sub> O <sub>3</sub> -ZnO-B <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> glasses	Dr.S.UdayBaskar	Results in Physics	2018	2	G Narayana mma Institute of Technology and Science	2
An ICTFTPWC approach to reduce PAPR of the OFDM system	Dr.B.Venka teshulu	IOSR journal of electronics and communication engineering(IOSRJECE)	2018	0	G Narayana mma Institute of Technology and Science	0
Dynamic source routing protocols comparative analysis with AODV and DYMO in zigbee based wireless personal area network	Dr.P.Sudhakar Rao	Signal processing and Integrated Networks(SPIN)	2019	0	G Narayana mma Institute of Technology and Science	0
Cepstrum based road surface recognition using long range automotive radar	Dr.Renuka Devi SM	International conference on computational intelligence data engineering(ICCIDE2018)	2018	0	G Narayana mma Institute of Technology and Science	1438
QOS aware multicasting using the enhanced differential cuckoo	M.Vijaya Lakshmi	International Journal of mobile network design and innovation	2018	0	G Narayana mma Institute of Technology and Science	3

search routing protocol in MANET						
Low complexity two stage sensing using energy detection and beamforming	M. Madhuri Latha	Twenty fourth IEEE national conference on communications	2018	0	G Narayana mma Institute of Technology and Science	150
Input fusion of MFCC and SCMC features for acoustic science classification using DNN	P.Chandrasekhar	IEEE 13 th International conference on industrial and information system, 2018	2018	0	G Narayana mma Institute of Technology and Science	0
DNN based acoustic science classification using scene fusion of MFCC and inverse MFCC	P.Chandrasekhar	IEEE 13 th International conference on industrial and information system, 2018	2018	0	G Narayana mma Institute of Technology and Science	10
Design of multiple U slotted microstrip antenna for Wimax and Wideband applications	N. Krishna Jyothi	International Journal of Innovative Technology and Exploring Engineering(IJITEE)	2019	0	G Narayana mma Institute of Technology and Science	80
Design of a UWB planar monopole antenna for breast cancer tumour detection using HFSS	N. Krishna Jyothi	International journal of pure and applied mathematics	2018	0	G Narayana mma Institute of Technology and Science	69

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## 3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Comparative Analysis of Spatial Image Classification Techniques using Rough Sets	Dr.M.Seetha	International Journal of Geoinformatics	2018	9	0	G Narayana mma Institute of Technology and Science
Accuracy assessment of Rough set based SVM Technique for spatial image classification	Dr.M.Seetha	International Journal of Knowledge and Learning	2018	9	0	G Narayana mma Institute of Technology and Science
Unit selection to Improve Naturalness in Speech Synthesis	P.Sunitha devi	International Journal of Applied Engineering Research	2018	2	0	G Narayana mma Institute of Technology and Science
Alcohol Detection and Vehicle Ignition Locking System	A.Sharath Kumar	International Journal of Mechanical Engineering and Technology	2018	0	0	G Narayana mma Institute of Technology and Science
Alcohol Detection and Vehicle Ignition Locking System	Vasundhara Ramireddy	International Journal of Mechanical Engineering and Technology	2018	0	0	G Narayana mma Institute of Technology and Science
Alcohol Detection and Vehicle Ignition Locking System	G.Varsha	International Journal of Mechanical Engineering and Technology	2018	0	0	G Narayana mma Institute of Technology and Science
Conjunctive Keyword Search	D.Naga Swetha	Journal of Advanced Research	2018	0	0	G Narayana mma Institute

(CKS) technique using Series of Ngram filters for Security and Privacy in Cloud		in Dynamical and Control Systems				of Technology and Science
Effect of annealing temperature on structural, morphological, optical and electrical properties of spray deposited V2O5 thin films	Dr.S.Uday Bhaskar	Material Science Medz iagotyra	2019	4	0	G Narayana mma Institute of Technology and Science
<a href="#">View File</a>						

#### 3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	13	70	30	72
Presented papers	31	23	0	0
Resource persons	3	3	2	4
<a href="#">View File</a>				

### 3.5 – Consultancy

#### 3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
ECE	Ultra Wide Band (UWB) based Indoor Positioning System (IPS)	M/s BIGWIZ	556000
CSE	Remote Land use/land Cover Mapping using Image Processing Techniques	M/s Geomarks Data Technologies Pvt. Ltd. Mr.Gajanan L Hegde ,9849359468	450000
CSE	Performance analysis of DG Sets and maintenance	PS Engineers Mr.J.Ch Subba Rao 9848053318	480000

	system		
CSE	Spares stock management	Power on Engineers Mr.G.Gurunadh Babu 9948391000	400000
CSE	Website Documents	RK Engineers N.Ravikanth 9849106060	175000
CSE	Customer Relationship Management System	Aadhya Infra Management builders and Developers.	275000
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### 3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
NIL	NIL	NIL	0	0
No file uploaded.				

### 3.6 – Extension Activities

#### 3.6.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Blood Donation Camp	In association with Lion's club, BBR Blood Bank	8	95
Pulse Polio Programme	Government Programme	2	17
NDRF	National Disaster Response Force	6	240
<a href="#">View File</a>			

#### 3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
NIL	NIL	NIL	0
No file uploaded.			

#### 3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
SWachh Bharat Arogy Bharath	SEVA Bharathi Organization	Cleaning Programme at Nilopher Hospital, Hyderabad	4	60

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### 3.7 – Collaborations

#### 3.7.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
Paid Internship	11	DELL	210
Paid Internship	6	Service Now	150
Paid Internship	6	Wellsfargo	120
Paid Internship	2	DMR	90
Paid Internship	3	NCR	90
Paid Internship	7	JPMC	150
Paid Internship	8	Hebeon Technologies	90
Service Now application Developer Course	1	GNITS	49
Service Now application Developer Course	1	GNITS	70

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#### 3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Internship	Internship	Ordnance Factory	10/06/2019	24/06/2019	2
Internship	Internship	Bharat Electronics Limited	22/05/2019	26/06/2019	3
Internship	Internship	Wellsfargo	01/02/2019	30/06/2019	6
Internship	Internship	ServiceNow	01/01/2019	30/06/2019	6
Internship	Internship	Asira Labs	01/01/2019	30/04/2019	2
Internship	Internship	NCR	01/02/2019	30/06/2019	3
Internship	Internship	APPLE	01/12/2018	30/11/2019	15
Internship	Internship	Internet of Things with IBM Cloud(Smart Bridge)	18/06/2018	07/07/2018	31
Internship	Internship	Machine Learning with Python IBM DSX(Smart	18/06/2018	07/07/2018	20

		Bridge)			
Internship	Internship	Web Development (Verzo Edutech Pvt Ltd)	01/05/2018	30/06/2018	3
Internship	Internship	Machine Learning (Verzo Edutech Pvt Ltd)	01/05/2018	30/06/2018	4
Internship	Internship	Web Designer (Our helping hand)	01/05/2018	30/06/2018	2
Internship	Internship	Digital Marketing (Brain O Vision)	04/06/2018	04/07/2018	3
Internship	Internship	Web Development (Brain O vision)	09/05/2018	09/06/2018	1
Internship	Internship	Social Media Marketing (Eat my news)	15/06/2018	29/06/2018	1
Project work	Internship	Library Management System (ONGC)	01/06/2018	30/06/2018	1
Internship	Internship	BSNL, Gachibowli	04/06/2018	15/06/2018	2
Project work	Internship	HRM (ECIL)	29/05/2018	28/06/2018	1
Internship	Internship	Mobile App Development (CEDAR IT Pvt. Ltd)	29/06/2018	06/07/2018	2
Internship	Internship	Workshop Manager (My Captain)	25/05/2018	30/06/2018	1
Internship	Internship	Android App Development (Azure Skynet, IITH)	16/05/2018	14/06/2018	4
Internship	Internship	Cyber Security (Supraja Technologies)	10/05/2018	04/06/2018	1
Project work	Internship	DRDL	01/05/2018	31/05/2018	1
Internship	Internship	Social Media Marketing (Classmate Technology)	01/02/2018	31/03/2018	1
Internship	Internship	Tech News	12/06/2018	06/07/2018	1

		Web app(Fission Labs)			
Internship	Internship	Big Image Data Processing using Deep Learning(NITW)	05/06/2018	07/07/2018	1
Internship	Internship	Customer Experience Department(Mytra Designs Pvt Ltd)	21/05/2018	31/07/2018	1
MoU	CFEPD	Smart Bridge	01/08/2018	30/06/2019	126
Project work	Infosys Campus Connect	Infosys	01/07/2018	31/12/2018	125
Project work	Apple Maps	Apple	01/12/2018	31/03/2019	82
Training	Programming	Hebeon	01/07/2018	30/04/2019	120
Internship	IOT, Embedded sys, Robotics and Augmented Reality	Robosync , Hyderabad, Ph:9179779970 72 contact@robosync.in	27/05/2019	11/06/2019	10
Internship	Design of CDMA transmitter using VHDL coding on SPARTAN6 FPGA	DRDL, Kanchanbagh, Hyderabad 04024583585 Email: ncwt4@drdl.drdo.in	27/05/2019	12/07/2019	2
Internship	A Study on missile technologies and sub systems	DRDL, Kanchanbagh, Hyderabad 04024583585 Email: ncwt4@drdl.drdo.in	27/05/2019	14/06/2019	1
Internship	Machine Learning with Python and IBM Watson	Smart bridge in Collaboration with IBM, Hyderabad	03/06/2019	22/06/2019	1
Internship	Internet of things (IoT) with IBM Cloud	Smart bridge in Collaboration with IBM, Hyderabad	03/06/2019	22/06/2019	3
Internship	Internship Program - Two Weeks	BSNL, Gachibowli Hyderabad,	03/06/2019	15/06/2019	5



		Phone: 040 2300 0233			
Internship	Industrial Training	Airports Authority of India, Hyderabad 040 6654 6370	11/06/2019	22/06/2019	2
Internship	Design of CDMA Transmitter Using VHDL Coding	DRDL, Kanchanbagh, Hyderabad 04024583585	12/06/2019	12/07/2019	1
Internship	Study of MILSTD1553 Bus Protocol	DNEC, Research Centre Imarat (RCI), Hyderabad. 040 2430 6085	17/06/2019	12/07/2019	2
Internship	Internship Training - Two weeks	Bharat Electronics Limited, Hyderabad 040 2719 4209	17/06/2019	29/06/2019	2
<a href="#">View File</a>					

3.7.3 – MoUs signed with institutions of national, international importance, other institutions, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Eleven01 Technologies, Hyderabad	25/07/2018	Mentor connect Boot camps Hackathons Corporate challenges Center of Excellence Joint Research, FDPs Certification programs on Blockchain technology	6
Infosys, Hyderabad	09/05/2018	To facilitate and share inputs for codesigning Industry Electives in the field of IT.	216
Smart Bridge	01/08/2018	Industry oriented training for students	126
Navstar Communications	01/12/2018	Faculty training and research	7

dpPro Software Solutions	03/07/2018	Research Activities: Risk Modeling for Financial Activities and investment banking. Building deep learning models to analyze Human Bio Parameters for wearable technology bands such as fitness bands.	3
TeraEdge Digital	10/09/2018	Project: Project Management Services to support website development Implementation services for website development	5
Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad	16/11/2018	Joint Organization of FDPs / Conferences / Hackathons / Workshops Undertake collaborative RD work Development of new Laboratories	6
IDEALABS Future Tech Ventures, Hyderabad	03/10/2018	Mentor connect, Boot camps Hackathons Corporate challenges Center of Excellence Joint Research Faculty Development Programs	6
Cluster IT Solutions Pvt Ltd, Hyderabad	22/09/2018	Provide technology training technical support for executing outsourced projects FDPs Capability development of the students	91
Hebeon Technologies, Hyderabad	03/08/2018	To build confidence to take challenges in technical language To motivate students towards campus placements To bridge the gap between students and the corporate.	190

Hebeon	05/04/2019	Programming Work Bench Multiple Choice Question Exams Code Contest	120
<a href="#">View File</a>			

## CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
536.97	401.41

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Newly Added
Laboratories	Newly Added
Seminar Halls	Newly Added
Classrooms with LCD facilities	Newly Added
Classrooms with Wi-Fi OR LAN	Newly Added
Seminar halls with ICT facilities	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added

### 4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
Engineering College Automation Package	Fully	4	2009

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Digital Database	2	13561	2	13561	4	27122
Library Automation	6	111000	11	195481	17	306481
Text Books	32760	18154296	509	249758	33269	18404054
Reference Books	9155	4571884	29	29129	9184	4601013
Journals	120	201780	130	195043	250	396823
e-Journals	3451	1327558	4170	1459944	7621	2787502

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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
<b>No Data Entered/Not Applicable !!!</b>			
No file uploaded.			

#### 4.3 – IT Infrastructure

##### 4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MGBPS)	Others
Existing	755	26	1	0	0	1	5	200	0
Added	292	4	0	0	0	0	0	0	0
<b>Total</b>	<b>1047</b>	<b>30</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>5</b>	<b>200</b>	<b>0</b>

##### 4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

200 MBPS/ GBPS
----------------

##### 4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Single phase half controlled rectifier hardware demonstration for speed control separately excited dc motor.	<a href="https://www.youtube.com/watch?v=7e0VZM1tNm8">https://www.youtube.com/watch?v=7e0VZM1tNm8</a>
Single phase fully controlled rectifier hardware demonstration for speed control separately excited dc motor.	<a href="https://www.youtube.com/watch?v=7odAIiEnIRU">https://www.youtube.com/watch?v=7odAIiEnIRU</a>
Class A Chopper (first quadrant) for speed control of 20V Pmdc motor using Home made kit.	<a href="https://www.youtube.com/watch?v=QzZipdHP7Kk">https://www.youtube.com/watch?v=QzZipdHP7Kk</a>
Class B Chopper (Second quadrant) for speed control of 20V Pmdc motor using Home made kit.	<a href="https://www.youtube.com/watch?v=aYHaCkAtDDg">https://www.youtube.com/watch?v=aYHaCkAtDDg</a>
Class C Chopper (Two quadrant Type A Chopper) for speed control of 20V Pmdc motor using Home made kit.	<a href="https://www.youtube.com/watch?v=A8XR0ubB9Qo">https://www.youtube.com/watch?v=A8XR0ubB9Qo</a>
Class D Chopper (Two quadrant Type B chopper) for speed control of 220V dc motor using Home made kit.	<a href="https://www.youtube.com/watch?v=su73ZyLvng">https://www.youtube.com/watch?v=su73ZyLvng</a>
Class E Chopper (four quadrant chopper) for speed control of 220V dc motor using Homemade kit.	<a href="https://www.youtube.com/watch?v=kxUKScc6M-Q">https://www.youtube.com/watch?v=kxUKScc6M-Q</a>
Speed Control of Single phase induction motor using Ac voltage controller and Monitoring of THD.	<a href="https://www.youtube.com/watch?v=0JTXBDj6Knc">https://www.youtube.com/watch?v=0JTXBDj6Knc</a>

#### 4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
67.72	53.26	369.25	359.33

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website)

The institute adopted certain Procedures and executed in the college for the maintenance. The following facilities are being monitored centrally: Library, Internet, website, Canteen, Transport, Hostel, EPABX with intercoms, Health Centre. Periodical meetings of InCharges of above facilities are conducted to review the functioning of each facility to make all these facilities are more effective and student friendly. Buildings Toilets Hygiene: Sufficient Sweepers scavengers are recruited for each building in the campus. They are monitored by a supervisor. All the sweepers, Scavengers supervisor are to give biometric attendance daily while coming to duty and leaving from the duty. Infrastructure Maintenance: The maintenance of infrastructure facilities in the institute such as classrooms, buildings, hostels, green areas, etc. are monitored by a qualified Civil Engineer with skilled manpower for civil, electrical, plumbing, carpentry horticulture works. The maintenance of equipment for water pumping plants, sewage, etc. are undertaken as per their preventive maintenance schedules, guidelines by the equipment supplier. Power Maintenance System: The Institute has 750 KVA power backup to ensure uninterrupted power supply and maintenance of electrical assets. The maintenance of equipment like Generator Sets, General Lighting, Power Distribution System, Solar Panels etc. are undertaken as per their preventive maintenance schedules, guidelines by the equipment supplier. Transport Maintenance: A fleet of buses, vans and cars are maintained by the transport department of the Institute under the supervision of Transport Manager. The vehicles are maintained on frequent intervals and the taxes are paid according to the law. Sports facilities: The indoor outdoor sports facilities such as Tennis court, Volley Ball Court, Basket Ball Court, Badminton Court etc. are monitored maintained by the well qualified Physical director. Other Services: The institute provides various services such as Cafeterias facilities, Banking / ATMs facilities services Laundry services, Gymnasium facilities Gaming Arcadia facilities, Reprographic, Photocopy services, Books Stationary facilities etc., to the students, faculty and staff and are maintained by respective service providers as per contract: Maintenance of Equipment: The Institute has laid down guidelines and structure for the maintenance of various types of equipment as under: The Heads of the departments are looking after the repair, maintenance and upkeep of labs. Further, major laboratory equipment is under Annual Maintenance Contract (AMC) for their regular preventive and corrective maintenance. The Biometric Systems, Campus Surveillance Cameras, CCTVs, other security equipment are maintained through the Admin department by the equipment providers. Teaching aids such as LCD Projectors, PA Systems, Laptops, Desktops, Printers, WiFi etc. are maintained by IT department. Fire Fighting equipment in various blocks, classroom, labs, hostels, offices, etc. are maintained by Mechanical Engineering Department. The respective departments conduct a periodic audit to ensure timely corrective action for proper functioning of the various equipment gadgets. Library: The library is maintained and monitored by the Library Advisory Committee. Library maintenance is computerized and automated with regular/constant upkeeping Regular swabbing of the Library floors, regular cleaning of the racks, up keeping the quality of the books

## CRITERION V – STUDENT SUPPORT AND PROGRESSION

### 5.1 – Student Support

#### 5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	0	0	0
Financial Support from Other Sources			
a) National	TS Govt.Fee Reimbursement	1042	86687000
b) International	0	0	0

[View File](#)

#### 5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Human Excellence	23/07/2018	660	Shri Ramachandra Mission
Importance learning Sanskrit	27/07/2018	330	Non Formal Sanskrit Education (NFSE), Center
Technology and Education	02/08/2018	100	TEDx GNITS
Stress Management and Time Management	28/07/2018	660	Art of Living
Personal Counselling	27/08/2018	660	Mano Jagruthi
To bridge the lateral entry students with the main stream EAMCET students in Mathematics	10/07/2018	103	GNITS Faculty

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#### 5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2019	GATE	158	0	32	0
2018	GRE	19	0	11	0
2018	CIVIL Services	39	0	0	0

2018	Seminars on Career Counselling	0	825	0	0
<a href="#">View File</a>					

5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
0	0	0

## 5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
JPMC, Qualcomm, Servicenow, Salesforce, F5 Networks, NC R, Dell, EZE, ABB, Wellsfargo, Deloitte, Statestreet, DMR, Franklin Templeton, BOA, LTI, Accenture, Infosys, ADP, Rythmos, Optum, WestAgile Labs, Mindtree, Dispatch Track, BTBP, Focus Softnet	454	338	Electronic Arts, DBS, HSBC, Robert Bosch, Attra Infotech, Apps Associates, Hyundai MIE, Face Academy, Infosys (Snow), DXC (Snow), Mphasis (Snow), Wipro (Snow), TCS (Snow), CTS (Snow), TCS, Wipro, InnovaCX, SP Global, Value Momentum, Ashok Leyland, Cyient	105	47
<a href="#">View File</a>					

5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2018	2	B.Tech	CSE	PURDUE University, West Lafayette	MS
2018	1	B.Tech	CSE	Illinois Institute of Technology, Chicago	MS
2018	1	B.Tech	CSE	Cleveland State	MS

				University	
2018	1	B.Tech	CSE	Amity Global Business School, Hyd	MBA
2018	1	B.Tech	CSE	IIIT, Hyderabad	MSIT
2018	2	B.Tech	CSE	Sacred Heart University	MS
2018	1	B.Tech	ECE	CVR College of Engg., India	M. Tech
2018	1	B.Tech	ECE	Montreal College of Information and Technology	Pogramme for Mobile Technology
2018	1	B.Tech	ECE	Institute of Public Enterprise, India	PGDM
2018	1	B.Tech	ECE	George Mason University, USA	MS
2018	1	B.Tech	ECE	State University of Newyork, USA	MS
2018	1	B.Tech	ECE	Texas A&M University, USA	MS
2018	1	B.Tech	ECE	Texas A&M University, USA	MS
2018	1	B.Tech	ECE	G,Narayanamma Institute of Technology & Science	M.Tech
2018	1	B.Tech	ECE	USC University of Southern California	MS
2018	1	B.Tech	ECE	Amrita Vishwa Vidyapeetham	M.Tech
2018	1	B.Tech	ECE	Indian Institute of Management, Rohtak	MBA
2018	1	B.Tech	IT	GITAM	MBA
2018	1	B.Tech	IT	NYIT	MS (CIS)



2018	1	B.Tech	IT	PGDM	IPE
2018	1	B.Tech	IT	Eastern Illinois University, USA	MS
2018	1	B.Tech	IT	University of South Florida, TAMPA	MS
2018	1	B.Tech	IT	OU, Hyd	M.Tech
2018	1	B.Tech	IT	NIT, Agartala	M.Tech
2018	1	B.Tech	IT	University of TEXAS	MS
2018	1	B.Tech	IT	San Diego State University, USA	MS
2018	1	B.Tech	IT	Swinburne University of Technology, Australia	MS
2018	1	B.Tech	IT	Rutgers Business School, Newyork	MITA
2018	2	B.Tech	EEE	Malla Reddy Engg College	M.Tech
2018	2	B.Tech	EEE	Gayatri Vidya Parishad College of Engg, AP	M.Tech
2018	1	B.Tech	ETE	San Jose State University (SJSU),	MS
2018	1	B.Tech	ETE	University of Texas at Arlington	MS
2018	1	B.Tech	EEE	IIIT, Hyderabad	Masters of Science in IT
2018	1	B.Tech	EEE	CMR College of Engg	M.Tech
2018	1	B.Tech	EEE	IIM, Indore	MBA
2018	1	B.Tech	EEE	Northern Illinois University, USA	MS (Industrial & System Engg)

2018	1	B.Tech	EEE	G.Narayanamm a Institute of Technology & Science(for women), Hyderabad	M.Tech (Power Electronics & Electric Drives)
2018	1	B.Tech	EEE	CQ University, Australia	MS in IT
2018	1	B.Tech	EEE	Wichita State University	MS in Computer Science Program
2018	1	B.Tech	EEE	Osmania University	M.E Power Electronic System
2018	1	B.Tech	EEE	JNTUH, Hyderabad	M.Tech Digital Systems & Computer Electronics
<a href="#">View File</a>					

5.2.3 – Students qualifying in state/ national/ international level examinations during the year  
(eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	22
GMAT	1
CAT	5
GRE	25
TOFEL	3
Any Other	32
<a href="#">View File</a>	

5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Chess	Intra college level	38
Table tennis Singles	Intra college level	17
Table tennis Doubles	Intra college level	6
Badminton Singles	Intra college level	40
Badminton Doubles	Intra college level	16
100 mts. Run	Intra college level	54
Discus Throw	Intra college level	12
Shot Put	Intra college level	57
4x 100 mts. Relay	Intra college level	5
Tug of War	Intra college level	61

Throw ball	Intra college level	80
Kho Kho	Intra college level	24
<a href="#">View File</a>		

### 5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	Table tennis Winner	National	1	0	15251A0248	P.Darshana
2018	Throw ball-Winners	National	1	0	15251A1291	A.Sree Vani
2018	Volleyball - Winners	National	1	0	15251A0278	Y. Prathyusha
2019	Chess-Winner	National	1	0	17251A04C9	G. Sravya Gayatri
2019	Table tennis- singlesWinner	National	1	0	15251A0248	P.Darshana
2019	Table tennis- - Doubles-Winners	National	1	0	15251A0241	K. Poojitha
2019	Throw ball-Winners	National	1	0	16251A04A9	T. Harika
2019	Volleyball - Winners	National	1	0	16251A12A2	P. Jagades wari
2018	Basketball -Winners	National	1	0	17251A1250	Yashasvi
2019	Kho Kho-Winners	National	1	0	16255A0528	Amulya
2019	Volleyball - Winners	National	1	0	15251A02A2	Divya sree
2019	Basketball - Winners	National	1	0	15251A0452	M. Pranathi Varma
2019	Basketball - Winners	National	1	0	15251A04D9	N. Mugdha Gayathri
2019	Throw ball-winners	National	1	0	16251A04A9	T.Harika
2019	Volleyball-winners	National	1	0	16251A12A2	P.Jagadees wori
2018	Table tenn	National	1	0	15251A0248	P.Darshana

	is-Doubles Runner					
2019	Throwball- Winners	National	1	0	15251A0408	D.V.S.Teja swi
2019	100mts 11place	National	1	0	16251A0491	Bhanu chadrika
2019	Chess -Runners	National	1	0	17251A04C9	G. Sravya Gayatri
2019	Throw ball- winners	National	1	0	16251A12C0	Suvishna
2018	Volley bal l-Runners	National	1	0	17251A0212	Deeksha
2019	Kho kho- Winners	National	1	0	16255A0528	Amulya
2019	Tennis- singles -winner	National	1	0	16251A0554	S.P.Sowmya
2019	Tennis-sin gles- Runner	National	1	0	15251A0571	G.Manaswi
2019	Table tennis- Winner	National	1	0	15251A0248	P.Darshana
2019	Basketball - Winners	National	1	0	17251A1250	Yashasvi
2019	Table tennis sin gles- Runner	National	1	0	16251A0517	Srija
2019	Table tennis Dou bles- Runners	National	1	0	16251A0520	Sai Sree soumya
2019	Volley bal l-winners	National	1	0	16251A0211	D.Kavya
2019	Basketball- Winners	National	1	0	16251A0583	Neha varma
2019	Chess- Winner	National	1	0	17251A04C9	G. Sravya Gayatri
2019	Throw ball- winners	National	1	0	16251A0202	A.Sandya
2019	Volley bal l-winners	National	1	0	16251A05C6	Chandralk a
2019	Basketball- Winners	National	1	0	17251A1250	Yashasvi
2019	Kho kho- Winners	National	1	0	16251A0273	Geethapriy a
2019	Table tennis	National	1	0	15251A0254	Sharmila

	singles Runner					
2019	Table tennis Doubles Runners	National	1	0	16251A0517	G.Srija
2019	Table tennis Doubles winners	National	1	0	15251A0231	A.Amrita
2019	Chess-Winner	National	1	0	17251A04C9	G. Sravya Gayatri
2019	Basketball - Winners	National	1	0	15251A04D9	N. Mugdha Gayathri
2019	Throw ball-Winners	National	1	0	15251A1291	A.Sree Vani
2019	Swimming-I place	National	1	0	16251A0231	Rishika Reddy
2019	Lawn Tennis-Singles-Winner	National	1	0	16251A0554	S.P. Sowmya
2019	Lawn Tennis-Doubles-Winners	National	1	0	15251A0571	G. Manasvi
2019	100 mts. Run- I Place	National	1	0	16251A0491	L. Bhanu Chandrika
2019	200 mts. Run- I Place	National	1	0	16251A0491	L. Bhanu Chandrika
2019	Long Jump-II Place	National	1	0	16251A0491	L. Bhanu Chandrika
2019	Shot Put-II Place	National	1	0	16251A0491	L. Bhanu Chandrika
<a href="#">View File</a>						

5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

The allround development of student is planned from first year to final year in a systematic manner .As part of student extended activities various student led clubs are constituted to build up leadership skills and to bring out the innate talents and potentials of the students to the forefront. Each club has its elected office bearers with a faculty convenor nominated . Professional student

Branches :Each student committee of the professional bodies such as IEEE,ISTE,IETE,CSI, IE coordinates and conducts the technical fest, technical activities such paper presentations, project exhibitions, Hackathons etc.

LiterariaClava and Sanskrithi: The literary and cultural clubs - organize annual intra and inter collegiate fests besides organizing various competitions on various occasions . Club Persona : To enhance the communicative skills of

the students, organizes ongoing activities like role plays, skits and stage performances all through the academic years. LINC GNITS: To nurture the Leadership Initiatives for Noble Causes is a platform that exclusively works to build up leadership skills and personality development through organizing the national festivals - Independence Day, Republic Day, International Womens' Day Celebrations and World Students Day in the campus. The vision of Bharat Ratna Dr. APJ Abdul Kalam is percolated through this club with the motto AapBadaoDeshKoBadao. Philanto - Photography Club : Organises Photo exhibitions. Artista - Arts Club of GNITS: organizes Art Galleries displaying the students works and contributions.- Vivekananda Centre for Human Excellence: Named as 'Aarambh' that works in collaboration with Ramakrishna Mutt in taking up charity works and contributing to the social needs identified. Rotaract Club works in collaboration with the Rotaract at state and national level in organizing various awareness camps and programmes. Street Cause: Student Association promotes and works to meet the needs and causes for the benefit of the poor and downtrodden and increases awareness among the communities. Library committee: The committee discusses the issues related to new books addition, issue timings and weekdays of issue of books, Sports committee: This committee is active with very good support to students in adding sports and games related infrastructure resulting in continuous girls overall championship in the JNTUH NSS committee: Students take up activities such as Blood donation, Swachh Bharath, Aarogya Bharath, Pulse Polio etc. Alumni Association: This committee organizes meeting every year. The committee is very active in contacting and updating the progress and taking the help of alumni to make the current students aware of the latest trends in the industry and also in placement preparation EDC committee: This committee is taking up activity to inspire budding engineers towards entrepreneurship by conducting interactions with entrepreneurs. Innovation Cell (I -Cell) is thus envisaged to network people, ideas, experience and resources to motivate the innovation community in the college. Hostel committee: Hostel committee decides the menu and also the quality of food Placement committee: This committee collects the database and coordinates the placement activity. Anti Ragging committee : The senior students form a committee and inform the faculty for any action required Transport committee: The committee discusses the routes, seating issues of the transport.

#### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of registered Alumni:

764

5.4.3 – Alumni contribution during the year (in Rupees) :

500100

5.4.4 – Meetings/activities organized by Alumni Association :

Three meetings organized Activities organized: Mock Interviews, Aptitude Training and BOS Committee Member

### CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

#### 6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

The college has always promoted decentralization and participative management

as a form of democratic governance as it believes it would result in creating an ambience favorable for overall growth of the institute. This is achieved by encouraging faculty, staff and students to contribute through participation at various levels and forums such as: 1. The College Academic Council constituted as per UGC guidelines for all execution related and academic plans for the institution. This committee comprises all Heads of Departments and senior faculty members of the institution besides the eminent academicians professionals from various neighboring renowned institutions and industries. 2. Various Committees viz Board of Studies, Grievance Redressal committee, Women protection committee, Anti Ragging committee, Purchases committee, NPTEL/FDP Committee, ISTE, IEEE, Alumni Association, R D Committee, NSS, ISO committee, Library committee, EDC, ICell, College magazine committee, Hostel Committee, Canteen Committee, Cultural Committee, Transportation committee, Finance Committee, Placements Committee and IQAC committee constituted for overseeing different operational aspects of the institute functioning is the best example of participative management in action. At any given point of time almost 90 of the faculty is involved in at least one committee. These committees define their own plans and are completely responsible for executing them.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

## 6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Curriculum Development	Batches till 2017 academic year adhered to the regulations and curriculum prescribed by the JNTUH. GNITS has been granted UGC Autonomous from 2018 onwards for a period of 10 years. Curriculum is framed forming the committee constituting Board of Studies is constituted with Head of the Department, Senior faculty, subject experts from outside, parent university expert, alumni and representative from industry. Curriculum was structured to have clear focus on Core Courses, Laboratory Courses, Professional Electives, Open Electives, Audit Courses and Mini, Major Project Work. Seminar has been introduced to augment the research development process and enhance communication skills.
Teaching and Learning	GNITS encourages faculties to take part in summer trainings, FDPs, workshops, paper presentations and conferences. Students has access to NPTEL courses, IEEE Journals. To encourage bright students are given cash incentives and remedial/Maths bridge classes are conducted for weak students to improve pass percentage. Regular Counselling is done to students in a batch of 24. To bridge the gap between the curriculum and industry requirements, department

	<p>conducts workshops, paper presentations, guest lectures, technical seminars, Poster presentations, Project expo, Skill tests and many more events are conducted.</p>
<p>Examination and Evaluation</p>	<p>The Examination scheme follows a process of continuous evaluation comprising Internal Assessments, Assignments, Seminars and Semester End Exams. • Quality of examination is maintained by forming panel members of External examiners from reputed institutes and the standard of the question paper is maintained following blooms taxonomy. • The performance of a student in each semester is evaluated course -wise with a maximum of 100 marks for Theory (30 marks for internal examination and 70 marks for external examination) and 100 marks for Practical (30 marks for internal evaluation and 70 marks for external evaluation). For each course, two internal examinations and one external examination will be conducted. The average of the marks obtained from the two internal examinations is chosen for the award of internal assessment marks.</p>
<p>Research and Development</p>	<p>Faculty to obtain Research grants for conducting Research and publishing peer reviewed , Impact Factored Journals.</p> <p>HODs RD to sensitize and promote research activities among the faculty and the students in the respective areas of Engineering. Subscribing to journals with high impact factor, giving incentives to the faculty publishing papers in UGC approved journals, integrating research publications in the presentations in the classroom teaching are few of the initiatives taken in sensitizing to the research activities. Every faculty member is eligible to claim an amount of Rs 10, 000/ every year towards the charges for publishing of papers, registration fee for attending conferences or workshops. The faculty members who have completed PhD degree are appreciated and encouraged by providing financial incentives. Faculty members pursuing PhD are encouraged by allowing them to take long leave depending on the need.</p>
<p>Library, ICT and Physical Infrastructure / Instrumentation</p>	<p>GNITS Library is fully automated and operating by using eCAP: an integrated</p>



Library automation software. Library created its resources Database and provided Online Public Access Catalogue (OPAC) through which users can be accessed to know the availability and the status of the book with in the campus through LAN . Institute Library is subscribing online ebooks and ejournals databases as per the requirement of the institute and also AICTE. Provided IP based access and these journals can be accessed from any computer connected in the campus LAN. This facility enables the staff and students to access elearning resources such as NPTEL Lectures.

Human Resource Management

Faculty members are sponsored to participate in Faculty Development /Orientation Programmes • Faculty and Researchers are encouraged to participate in national and international conferences • Timely recruitment of teaching and nonteaching staff by the management in approved / leave vacancies to ensure smooth functioning of the institution. • The performance of the faculty is assessed yearly through selfappraisal reports and appropriate recommendations are made by the Head of the Department.

Industry Interaction / Collaboration

The college has MOUs with industries to provide summer Internships, Research projects and industry visits for the students and training programs for the staff. Hackathon's are conducted in the upcoming areas. Placements are also provided.

Admission of Students

The admission process followed in the college through two categories namely Category A (Convenor Quota) and Category B (Management / NRI Quota ) as per the norms prescribed by the state Government. 1. Category - A: In Category -A, 70 of the seats are filled through convenor quota following reservation norms specified by the government. • UG: Admissions into UG programmes in the college arte made by Convenor , EAMCET. The admissions are based on the state wide ranks obtained by students in EAMCET entrance exam. • PG: Admissions into PG programmed are based on the merit of candidates in GATE, PGCET conducted by TSCHE. These admissions are made by Convenor, PG admissions. 2. Category B : In CategoryB , out of 30 of the seats, not

more than 15 seats are allowed to NRI/NRI Sponsored category. • UG: The merit criteria is decided by the state Government from Time to Time like, AIEEEE/IIT JEEE Mains, EAMCET ranks, Intermediate Public Examinations (IPE) marks. • PG: The admissions are based on merit: the order of merit is GATE score, PGECET ranks for M.Tech and the left over seats.

6.2.2 – Implementation of e-governance in areas of operations:

E-governance area	Details
<p>Planning and Development</p>	<p>ERP system Academic planning, timetable setting, students attendance, staff attendance, hostel students attendance, hostel room allotments, teaching assignments, teaching load distribution, teaching plans, allotment of substitutes, students promotions to the next semester, periods setting, staff leaves, staff movements, faculty feedback, faculty details report, staff increments, salary statement ,correspondence to students ,parents, staff alumni through emails SMS, Library information pertaining to books catalogue, book search, issue return etc information, transportation roots, buses, students availed details available in the ecap software which is used as a Management Information System (MIS) or Enterprise Resource planning (ERP) system in this college.</p>
<p>Administration</p>	<p>ERP system Branches courses can be created in this module. No.of sections in each branch can be created, Academic calendar can be set, college details, Holiday, students credits, departments can be set in this module. Fee type, fee details, fee due dates can be set through this module in order to operate through the fee payment accounts modules the same. Subjects, staff working hours, student bioIDs, semester regulations, maximum marks for the internal external exams can be set through this module. Users can be created and user level permission can be set through this module. Hostel session time can be set here. Forgot password of students staff can be set through this module</p>
<p>Finance and Accounts</p>	<p>ERP system Students fee Payments can be done through this module. Receipt from govt. Scholarships also can be recorded in this module. Fee leger class wise</p>

	and branch wise, fee, dues list, fee concession list etc., can be generated. Daily fee receipts report Cash Bank can be generated through accounts module. Transactions made through fee payment module accounts module can be edited in the accounts module transaction history.
Student Admission and Support	ERP system Student admissions data can be recorded in the admission module. Student data edit, generate of Admission Register, student rejoings, students detains entry, students transfers etc can also be done through this module. Students admission report ID Cards report year wise, course wise branch wise can be generated. ID Cards of regular students, college transportation availed students Hostel students can be generated. Students section wise allotment can be made. Scholarship availed students data can be generated. Students castes location details can be inserted in the admission data through a link available in this module.
Examination	ERP system Student roll nos. can be updated through this module. Similarly, Exam fee collection, exam application generation, schedule of exams, dforms generation, external internal marks entry, exams attendance posting can also be done. Report generation of internal, external marks and exam attendance can be done, examination registration, backlog list generation can also be done through this module. Exam progress reports for internal external marks can be generated also. Exams seating plan, fee, dues list, invigilation duties allotment, invigilation charges report etc. can also be generated.

### 6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2018	Dr. A.Alakanandana	2Day National Seminar on Recent Trends in Material Research for	NIL	500

		Science and Engineering Applications		
2019	Ch.V.L.G Chandana	International Conference on Inorganic Chemistry	NIL	2500
2018	M.Sreevalli	'FDP 101X: Foundation program in ICT for education, 8 week programme, IIT Bombay and 'FDP 201X: Pedagogy for online and blended teaching learning process', IIT Bombay	NIL	1850
2018	M.Sreevalli	National Seminar on Pedagogical Skills for Faculty in Outcome Based Engineering Education	NIL	2000
2018	M.Sreevalli	National workshop on Advanced Material Characterization Techniques (NWAMCT2018)	NIL	500
2018	M.Nagasree	Paper Presentation	NIL	1500
2018	M.Nagasree	FDP Programme	NIL	2500
2018	Dr. M. Madhavi Lata	FDP Programme	NIL	2500
2018	Dr. S. Vasundhara	FDP Programme	NIL	2500
2018	Dr. M. Aparna	FDP Programme	NIL	2500
2018	Dr. M. Aparna	Three day workshop	NIL	2000
2018	V. Vijaya Lakshmi	Three day workshop	NIL	2000
2018	V. Vijaya Lakshmi	Paper Publication	NIL	2500
2018	Dr. S. Vasundhara	Foundation Program in ICT for	NIL	1850

		Education(101x)		
2018	Dr. B. Sushma	Paper Publication	NIL	1500
2018	V. Vijaya Lakshmi	National Seminar	NIL	500
2018	Dr. M. Madhavi Lata	National Conference	NIL	1000
2018	T. Malathi Latha	Foundation Program in ICT for Education(101x)	NIL	1850
2018	K. Keshav Kumar	National Level Seminar	NIL	200
2018	A. Sredhar	National Level Seminar	NIL	200
2018	K. Keshav Kumar	International Workshop on Modelling Dynamics	NIL	900
2018	Dr. B. Sushma	Paper Publication	NIL	3250
2018	Dr. B. Sushma	Paper Publication	NIL	1500
2018	Dr. B. Sushma	Paper Publication	NIL	1860
2019	K. Keshav Kumar	One week refresher programme	NIL	1200
2019	V. Vijaya Lakshmi	Paper Publication	NIL	2600
2019	Dr. B. Sushma	Paper Publication	NIL	1200
2019	Dr. S. Vasundhara	Inter National Conference	NIL	2500
2019	M. Lalitha	One Week FDP on "Mathematics for Engineering Research"	NIL	2500
2018	Ch. Swathi	One Week FDP on "Mathematics for Engineering Research"	NIL	2500
2018	A. Sharath Kumar	International Journal of Mechanical Engineering and Technology	NIL	7500
2018	G. Varsha	International Journal of Mechanical	NIL	7500

		Engineering and Technology		
2018	R. Vasundhara	International Journal of Mechanical Engineering and Technology	NIL	7500
2018	N. Venkateshwarlu	One Week FDP on "Data Analytics with R" Organized by E ICT Academy	NIL	2500
2018	G. Naga Babu	FDP(FDP201x) on Pedagogy for Online and Blended Teaching Learning Process	NIL	1000
2018	A. Sharath Kumar	FDP(FDP201x) on Pedagogy for Online and Blended Teaching Learning Process	NIL	1000
2018	P. Keerthi Chandrika	3Day Workshop on "Machine Learning and its Applications"	NIL	500
2018	G. Varsha	3Day Workshop on "Machine Learning and its Applications"	NIL	500
2018	T.Rajesh	1Week FDP on "Machine Learning using Python"	NIL	2500
2018	R.Pallavi Reddy	1Week FDP on "Machine Learning using Python"	NIL	2500
2018	Ch. Mandakini	1Week FDP on "Machine Learning using Python"	NIL	2500
2018	B. Vamshi	1Week FDP on "Security Applications using Block chain Technology"	NIL	1500
2018	D. Manju	1Week Workshop	NIL	1000

		on "Machine and Deep Learning with Python"		
2018	Bhageshwari Ratkal	1Week FDP on "Security Applications using Blockchain Technology"	NIL	1500
2018	K. Sneha	1Week FDP on "Security Applications using Blockchain Technology"	NIL	1500
2018	D. Manju	International conference on Computational Intelligence and Informatics	NIL	10000
2019	P. Sunitha Devi	IJAER	NIL	6300
2019	T. Swapna	International Conference on Recent Advances in Engineering and Technology (IEEE Conference)	NIL	2500
2018	N.Krishna Jyothi	FDP	NIL	2500
2018	M.Shanthi	FDP	NIL	2500
2018	Y.Prakash	FDP	NIL	1000
2018	V.Shankar	FDP	NIL	1875
2018	T.Ramasri	FDP	NIL	2500
2018	C.Padmaja	FDP	NIL	9440
2018	P.Madhuri	FDP	NIL	2500
2018	B.Sreekanth Reddy	FDP	NIL	2500
2019	N.Harini	FDP	NIL	2500
2019	M.Shanthi	FDP	NIL	2500
2019	N.Harini	Paper Publication	NIL	5000
2019	K.Swathi	FDP	NIL	1000
2019	T.Ramasri	FDP	NIL	1000
2019	K.Ragini	FDP	NIL	1500
2018	V.Anitha	Electromagnetic s and its Applications with Handson	NIL	1000

		Session using MATLAB		
2018	M.Vijaya Lakshmi	HyWIT 2018: Hyderabad Workshop on Information Theory	NIL	4000
2018	Dr.G.Srivalli	Designing of Antennas and Microwave Components using CST Studio Suite and Antenna Magus	NIL	2500
2018	M.Vijaya Lakshmi	Channel Coding Techniques	NIL	2500
2018	P.Sree Sudha	Mathematics for Engineering Research	NIL	2500
2018	T.Sunitha	Mathematics for Engineering Research	NIL	2500
2019	Dr. K.Syamala Devi	GIAN (Global Initiative Academic Network) course on Crop Water Use Estimation in 21st Century with advances in Geo Spatial Technologies	NIL	2000
2019	Dr. K.Syamala Devi	3 Day on International Conference on Hydrology and Watershed Management (ICHWAM 2019)	NIL	4500
2019	Dr. K.Syamala Devi	National Seminar on Quality Improvement in Technical Education through Outcome Based Education	NIL	1000
2018	Dr. K.Syamala Devi	National Seminar on Pedagogical Skills for Faculty in Outcome Based	NIL	2000



		Engineering Education		
2018	Dr. K.Syamala Devi	National Conference on Water, Environment and Society (NCWES2018)	NIL	2500
2018	Dr.S. Uday Bhasker	Recent Trends in Material Research for Science and Engineering Applications	NIL	500
2019	Dr.S. Uday Bhasker	International Conference on Nanoscience and Nanotechnology (ICONN 2019) SRM chennai	NIL	2000
2018	S.Rama Krishna	PEDAGOGICAL SKILLS FOR FACULTY IN OUTCOME BASED ENGINEERING EDUCATION	NIL	2000
2018	S.Rama Krishna	Two day work shop on Physics of Fluids, Methods and Applications	NIL	500
2019	O.Sujana	GIAN (Global Initiative Academic Network) course on (Metabolic Engineering of microbial catalysts for production of fuels and chemicals)	NIL	1500
2019	O.Sujana	Application of Natural coagulants in waste water treatment.	NIL	2150
2019	C.Arathi	Computational Fracture Mechanics for Photovoltaic Reliability	NIL	5000
2018	C.Arathi	Material Charac	NIL	500

		terisation Techniques		
2018	I.Radhika	National workshop on advanced material characterization techniques (NWAMCT 2018)	NIL	500
2018	M. Shanti	National Seminar on Pedagogical Skills for Faculty in Outcome Based Engineering Education	NIL	2000
2018	M. Shanti	National workshop on Advanced material characterization techniques	NIL	500
2018	M. Shanti	'FDP 101X: Foundation program in ICT for education, 8 week programme, IIT Bombay and 'FDP 201X: Pedagogy for online and blended teaching learning process', IIT Bombay	NIL	1850
2019	B. Vamshi	UGC Sponsored Refresher Course on "Virtualization and Cloud Computing"	NIL	1000
2019	B. Vamshi	International Journal of Scientific Research and Review	NIL	2000
2018	N. Krishna Jyothi	Electromagnetic waves in Wireless and Guided Media	NIL	1200
2018	Ch. Hari Prasad	Multirate DSP	NIL	1200
2018	Dr. Renuka Devi SM	Digital Image Processing	NIL	1300

2018	C. Padmaja	Modern Wireless Systems: Theory and Simulations	NIL	9400
2018	Dr. K. Ragini	Preparing for NBA Accreditation and SAR filing	NIL	2000
2018	Y. Rakesh Kumar	Machine Learning with Python	NIL	1875
2018	Y. Rakesh Kumar	State of Art Technology in Industry	NIL	600
2018	G. Jhansi Rani	Embedded Systems, Smart Sensors for IOT Applications	NIL	2500
2018	N. Krishna Jyothi	Paper publication in IJITEE	NIL	6000
2018	N. Krishna Jyothi	5G and GNSS Positioning	NIL	1000
2018	Dr. G. Srivalli	5G and GNSS Positioning	NIL	800
2018	Dr. K. Ragini	Paper publication in IJITEE	NIL	10000
2018	B.R.Lakshmi	National Workshop	NIL	500
2018	B.R.Lakshmi	International seminar	NIL	2700
2019	Dr.B.Sushma	National Level Seminar	NIL	200
2019	Dr.B.Sushma	Lit Up Fest 2018, Hyderabad	NIL	700
2018	K. Keshav Kumar	Foundation Program in ICT for Education(101x)	NIL	1000
2018	Dr.M.Aparna	NAAC Sponsored Two Day National Seminar on Quality Improvement in Technical Education through Outcome Based Education	NIL	1000
2019	Dr.B.Sushma	Introduction to Literary Theory	NIL	1100

2019	Dr.B.Sushma	Short Fiction in Indian Literature	NIL	1100
2018	Smitha Mahindrakar	FDP	NIL	1850
2019	Naveen Pragallapati	FDP	NIL	2500
2019	M.Nagasree	Paper Publication (International Journal of Innovations in Engineering and Technology)	NIL	2500
2019	M.Nagasree	Paper Publication	NIL	3500
2018	M.Sridevi	FDP on Network Security,	NIL	2500
2018	P.N.Ramya	FDP on Network Security,	NIL	2500
2019	K.Sridevi	International Conference on Emerging Trends in Engineering (ICETE)	NIL	2500
2019	T.Vandana	International Conference on Intelligent Computing and Communication Technologies (ICICCT2019)	NIL	10000
2019	Ch.Ramesh,	5day workshop on Cryptography Coding Theory	NIL	2000
2019	P.V.Venkateswar amma	5day workshop on Cryptography Coding Theory	NIL	2000
2018	T.Aparna	FDP on Security Applications using Block Chain Technology	NIL	1500
2018	M.Deepthi	FDP on Security Applications using Block Chain Technology	NIL	1500
2018	P.N.Ramya	FDP on Security Applications using Block Chain	NIL	1500

		Technology		
2018	Dr.V.Supriya	FDP on Machine Learning using Python	NIL	2500
2018	T.Vandana	FDP on Machine Learning using Python	NIL	2500
2018	M. Shanti	Determination of Ferrous iron in cement sampleA colorimetric study	NIL	2100
2018	Dr. K. Ragini	FDP	NIL	4200
2018	M.Lakshmi	FDP	NIL	4000
2018	G.Madhavi	FDP	NIL	4000
2018	P.Lavanya	FDP	NIL	5100
2018	Dr.S.Ramacharan	International Conference on Research Trends in Engineering, Applied Science and Management	NIL	2000
2018	A.Bhimasankaram	Service Now Certification (Certified application Developer)	NIL	5107
2018	Ch. Ramesh	Mathematics in Engineering Research	NIL	2500
2018	B.V.Prasad Babu	FDP on Adoption of FOSS for Effective Teaching and Learning in Engineering	NIL	300
2018	M.Sridevi	Data Analytics with R	NIL	1250
2018	K.Sridevi	Data Analytics with R	NIL	2500
2018	M.Bhavani	Data Analytics with R	NIL	2500
2018	M.Deepthi	FDP on Advances in Cloud Computing	NIL	2500
2018	P.N.Ramya	FDP on Advances in Cloud Computing	NIL	2500
2018	K.Swarna Latha	Power Quality	NIL	1250

		Analysis and Improvement Techniques		
2018	S.L.V.Sravan Kumar	Research, Simulation and Analysis of Modern Power System Issues	NIL	2950
2018	P.Tejaswi	Power Converters Power Systems	NIL	2000
2019	G.Ujwala	Drives and Controllers for Advanced Energy Efficient Electric/Hybrid Electric Vehicles	NIL	1000
2019	E.Gouthami	Drives and Controllers for Advanced Energy Efficient Electric/Hybrid Electric Vehicles	NIL	1000
2019	G.Sujatha	Drives and Controllers for Advanced Energy Efficient Electric/Hybrid Electric Vehicles	NIL	1000
2019	A.Naveena	ICICV2019	NIL	9000
2019	V.Anitha	Bloom's Taxonomy	NIL	1000
2019	P.Sree Sudha	Advances in Wireless Communications: Challenges Solutions	NIL	2500
2018	T. Sunitha	Real Time Embedded Systems and IOT, Its Applications (RESIOT)	NIL	1100
2018	A.Chandra Shaker	Machine Learning Using Python	NIL	1200
2018	N.Krishna Jyothi	Paper Publication	NIL	5000
2018	Dr. A.Alakanandana	National Seminar on	NIL	2000

		Pedagogical Skills for Faculty in Outcome Based Engineering Education		
2018	Dr. A.Alakanandana	National workshop on Advanced Material Characterization Techniques (NWAMCT2018)	NIL	500
2018	Dr. A.Alakanandana	5th National conference on " Applied Physics and Material Science (APMS2018)	NIL	500
<a href="#">View File</a>				

6.3.2 – Number of professional development / administrative training programmes organized by the Colleges for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	Communication system modeling using MATLAB and Simulink	Communication system modeling using MATLAB and Simulink	01/04/2019	03/04/2019	20	1
2018	NIL	PMKVY: Jr. Software Developer	12/03/2018	25/06/2018	0	14
2018	NIL	PMKVY: Domestic Data Entry Operator	02/04/2018	25/06/2018	0	25
2018	NIL	PMKVY: Domestic IT Help Desk	02/04/2018	25/06/2018	0	25
2018	Mathematics for Engineering Research	NIL	18/06/2018	23/06/2018	43	0
2018	Channel Coding Techniques	NIL	25/06/2018	30/06/2018	44	0

2018	Full Custom and Semi IC Design using Mentor EDA Tools	Full Custom and Semi IC Design using Mentor EDA Tools	20/11/2018	24/11/2018	20	2
2018	Embedded systems using ARM Cortex M4 MCU's and IOT	Embedded systems using ARM Cortex M4 MCU's and IOT	11/12/2018	14/12/2018	15	5
2018	Hands on Training session on MATLAB	Hands on Training session on MATLAB	13/12/2018	14/12/2018	30	1
2019	MATLAB connecting to hardware	MATLAB connecting to hardware	07/01/2019	07/01/2019	9	1
2019	Bloom and Andreson's Taxonomys of Levels of Learning	NIL	23/02/2019	23/02/2019	104	0
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
FDP on Bloom's Taxonomy	1	29/03/2019	29/03/2019	1
FDP on Advances in Wireless Communications: Challenges Solutions	1	11/03/2019	17/03/2019	7
FDP on Real Time Embedded Systems and IOT, Its Applications (RESIOT)	1	17/12/2018	22/12/2018	6
FDP on Machine Learning Using Python	1	29/11/2018	05/12/2018	7
FDP on Electromagnetics and	1	26/11/2018	01/12/2018	6



its Applications with Handson Session using MATLAB				
Workshop on HyWIT 2018: Hyderabad Workshop on Information Theory	1	15/09/2018	23/09/2018	4
Advanced Android development Training Design Thinking, Google	2	28/08/2018	01/09/2018	5
Edge Intelligence, IIT, Hyderabad	1	26/07/2018	26/07/2018	1
Workshop on "Artificial Intelligence and Deep Learning"	1	14/07/2018	16/07/2018	3
2Week FDP on " Mentoring Educators in Educational Technology(FDP301X )	1	17/06/2018	05/07/2018	18
Intensive Internship Program for Faculty on Next Generation of Communication System Design using NI SDR USRP Platform	1	27/05/2019	31/05/2019	5
Machine Learning for Engineering and Science Applications	2	01/01/2019	30/04/2019	120
Introduction to Internet of Things	4	01/01/2019	30/04/2019	120
Evolution of Air Interface Towards 5G	1	01/01/2019	30/04/2019	120
Engineering Research Methodology	1	15/04/2019	20/04/2019	6

Internet of Things: Communication Technologies	1	11/04/2019	11/04/2019	1
1Week FDP on Frontiers in machine Intelligence and Soft Computing	1	10/06/2019	15/06/2019	6
1Week FDP on "Artificial Intelligence Machine Learning	2	29/04/2019	04/05/2019	6
9th Higher Education and Human Resource Conclave 2018	1	11/02/2019	12/02/2019	2
UGC Sponsored Refresher Course on "Virtualization and Cloud Computing"	1	04/02/2019	23/02/2019	20
2Day National Level Workshop on " Problem Identification, research Methodology Academic Writing"	1	28/01/2019	29/01/2019	2
1Week Workshop on " Machine and Deep Learning with Python"	2	17/12/2018	21/12/2018	5
1Week FDP on "Security Applications using Blockchain Technology"	4	10/12/2018	15/12/2018	6
1Month Faculty Orientation Program sponsored by PMMNMTT.	1	01/11/2018	30/11/2018	30
International Block Chain Congress	1	03/08/2018	04/08/2018	2
Wireless	4	02/04/2019	03/04/2019	2

Communication Systems Design with MATLAB USRP Software Defined Radios				
Communication System Modeling with Simulink	4	01/04/2019	01/04/2019	1
Advanced IOT Applications	1	01/01/2019	31/03/2019	90
Embedded System Design with ARM	2	01/01/2019	31/03/2019	90
MUMIMO, Massive MIMO and OFDM Technologies for 5G Networks	1	27/03/2019	30/03/2019	4
Electromagnetic waves in Guided and Wireless Media	1	01/02/2019	30/04/2019	89
Embedded system design with ARM	1	01/01/2019	31/03/2019	90
Preparing for NBA Accreditation SAR filling	1	18/02/2019	19/02/2019	2
Embedded System Design using TIVA MicroController	20	11/12/2018	14/12/2018	4
Advanced CMOS VLSI	1	03/12/2018	08/12/2018	6
Machine Learning using Python	1	29/11/2018	05/12/2018	7
Trends in Recon firable(FPGA) SOC Design	1	25/11/2018	30/11/2018	6
State of art technology in industry	1	01/10/2018	06/10/2018	6
Orientation Programme (Faculty Induction Programme)	1	01/11/2018	30/11/2018	30
Information theory	1	15/09/2018	22/09/2018	2
Designing of Antennas and Microwave	1	27/06/2018	03/07/2018	7

components using computer simulation technology studio suite and antenna magus				
1Week FDP on "Machine Learning using Python"	3	29/11/2018	05/12/2018	7
3Day Workshop on "Machine Learning and its Applications"	2	28/11/2018	30/11/2018	3
1Week FDP on "Machine Learning with Python"	3	26/11/2018	01/12/2018	6
1Week AICTEISTE Sponsored Refresher Programme on "Artificial Intelligence Based Internet of Things"	1	26/11/2018	01/12/2018	6
Electromagnetic s and its applications with hands on session using MATLAB	1	26/11/2018	01/12/2018	6
FDP on Network Security, NIT, Warangal	2	20/05/2019	24/05/2019	5
5day workshop on Cryptography Coding Theory, NIT, Warangal	2	28/01/2019	01/02/2019	5
FDP on Security Applications using Block Chain Technology, GNITS	3	10/12/2018	15/12/2018	6
FDP on Machine Learning using Python, Vasavi College of Engineering	2	29/11/2018	05/12/2018	7
Improving Research and	2	25/09/2018	25/09/2018	1

Publication Outcomes, IIIT, Hyderabad				
Artificial Intelligence and Deep Learning, CMR College, Hyderabad	1	14/07/2018	16/07/2018	3
FDP on Wireless Communication System Design with MATLAB and USRP software Defined Radios	1	02/04/2019	03/04/2019	2
FDP on Communication Systems Modelling with Simulink	1	01/04/2019	01/04/2019	1
Workshop on Designing of Antennas and Microwave Components using CST Studio Suite and Antenna Magus	1	27/06/2018	03/07/2018	3
UGC Sponsored Orientation Programme	1	04/06/2018	02/07/2018	29
Advances in Graph Theory with applications to Network Sciences	1	06/08/2018	11/08/2018	6
TEQIPIII sponsored One Week FDP on Soft Skills and Personality Development	1	10/12/2018	14/12/2018	5
GIAN (Global Initiative Academic Network) course on Crop Water Use Estimation in 21st Century with advances in Geo Spatial Technologies	1	22/04/2019	02/05/2019	11

3 Day on International Conference on Hydrology and Watershed Management (ICHWAM 2019)	1	13/02/2019	15/02/2019	3
National Seminar on Quality Improvement in Technical Education through Outcome Based Education	1	14/12/2018	15/12/2018	2
National Seminar on Pedagogical Skills for Faculty in Outcome Based Engineering Education	1	23/08/2018	25/08/2018	3
Recent Trends in Material Research for Science and Engineering Applications	1	20/12/2018	21/12/2018	2
National Seminar on Pedagogical Skills for Faculty in Outcome Based Engineering Education	5	23/08/2018	25/08/2018	3
'FDP 702X: Designing learning centric MOOC4 week programme ,IIT Bombay	2	04/08/2018	14/08/2018	11
'FDP 101X: Foundation program in ICT for education, 8 week programme,IIT Bombay	2	13/09/2018	27/10/2018	45
'FDP 201X:Pedagogy for online and blended teaching learning	2	30/10/2018	07/01/2019	70

process', IIT Bombay				
3day Faculty orientation program for student induction at IIT Hyderabad	1	16/05/2019	18/05/2019	3
UGC Sponsored Orientation Programme	1	04/06/2018	02/07/2018	29
Advances in Graph Theory with applications to Network Sciences	1	06/08/2018	11/08/2018	6
3 Day on International Conference on Hydrology and Watershed Management (ICHWAM 2019)	1	13/02/2019	15/02/2019	3
National Seminar on Quality Improvement in Technical Education through Outcome Based Education	1	14/12/2018	15/12/2018	2
National Seminar on Pedagogical Skills for Faculty in Outcome Based Engineering Education	1	23/08/2018	25/08/2018	3
Recent Trends in Material Research for Science and Engineering Applications	1	04/08/2018	14/08/2018	11
National Seminar on Pedagogical Skills for Faculty in Outcome Based Engineering Education	5	13/09/2018	27/10/2018	45

'FDP 702X: Designing learning centric MOOC4 week programme ,IIT Bombay	2	30/10/2018	07/01/2019	70
'FDP 101X: Foundation program in ICT for education, 8 week programme,IIT Bombay	2	13/09/2018	27/10/2018	45
'FDP 201X:Pedagogy for online and blended teachin glearning process',IIT Bombay	2	30/10/2018	07/01/2019	70
3day Faculty orientation program for student induction at IIT Hyderabad	1	16/05/2019	18/05/2019	3
Recent Trends in Material Research for Science and Engineering Applications	1	20/12/2018	21/12/2018	2
National Seminar on Pedagogical Skills for Faculty in Outcome Based Engineering Education	5	23/08/2018	25/08/2018	3
'FDP 702X: Designing learning centric MOOC4 week programme ,IIT Bombay	2	04/08/2018	14/08/2018	11
'FDP 101X: Foundation program in ICT for education, 8 week programme,IIT Bombay	2	13/09/2018	27/10/2018	45
'FDP	2	30/10/2018	07/01/2019	70



201X:Pedagogy for online and blended teaching learning process', IIT Bombay				
3day Faculty orientation program for student induction at IIT Hyderabad	1	16/05/2019	18/05/2019	3
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
200	200	53	66

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Contribution of EPF, Gratuity, Health Insurance, Study leave for professional development, Incentives for paper Publications/Presentations, Subsidized Transportation	Contribution of EPF, ESI, Gratuity, Health Insurance, Subsidized Transportation	Management Scholarships, Gold Medals to Academic Toppers, Incentives for Paper Publications/Presentations, Financial support for attending external events

**6.4 – Financial Management and Resource Mobilization**

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

Internal audit of accounts will be done by the committee constituted by the Principal with senior teaching nonteaching staff every year. The committee, after verification of accounts, submits the report to the Principal for follow up action. The observations and concerns if any noticed by the internal auditors will be carried out to the accounts staff for necessary updations. Similarly, the intuition accounts are audited by the qualified and experienced Audit personals every year and provide inputs to incorporate the required changes as per the statutory requirements. The external auditors issue their reports and the same will be filed for Income Tax returns.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
AICTE	4.38	MODROBSRD
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6.4.3 – Total corpus fund generated

0
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## 6.5 – Internal Quality Assurance System

### 6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Audit committee formed by the Department involving external academicians (At least two)	Yes	Internal committee formed by the Institute
Administrative	Yes	Audit committee formed by the Department involving external academicians (At least two)	Yes	Internal committee formed by the Institute

### 6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

- In every semester, after first mid Exams the department wise Parent Teachers Association Meetings are conducted.
- Academic performance is analyzed and suggested to take the necessary steps to improve the performance of the students.
- Discussion on discipline and ethical values followed by students and given suggestions for the improvement of the same.

### 6.5.3 – Development programmes for support staff (at least three)

The institution has a strong network with support staff and recognizes them as they also play a critical role in the development of the college as follows:

- The institution provides funding for the needy for the purpose of self development.
- The institution organizes skill development programmes for the support staff to upgrade their skills.
- The institution organizes special Medical camps and Awareness Programmes on health related issues for the supporting staff, so as to maintain a healthy environment.

### 6.5.4 – Post Accreditation initiative(s) (mention at least three)

- Establishment of Internal Quality Assurance
- Management Information System (ECampus)
- Autonomous Status
- Strengthening ICT infrastructure online learning resources
- Launching of incubation and RD Centre

### 6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	Yes
d) NBA or any other quality audit	Yes

### 6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	NBA Accreditation for 3 PG	12/04/2019	12/04/2019	14/04/2019	54

	Programmes				
2018	NAAC Extension	04/12/2018	04/12/2018	04/12/2018	3200
2018	IQAC meeting	16/08/2018	16/08/2018	16/08/2018	20
2018	Performance Based Appraisal System	01/07/2018	01/07/2018	30/06/2019	300
2018	Mentoring System for mentoring students individually or collectively for academic and career development	01/07/2018	01/07/2018	30/06/2019	2500
2018	ISO Audit	25/09/2018	25/09/2018	25/09/2018	200
2019	Blooms and Andersons Taxonomy of levels of learning	23/02/2019	23/02/2019	23/02/2019	103
2019	NIRF	01/11/2018	01/11/2018	01/11/2018	3200
2019	Feedback from Stakeholders	01/04/2019	01/04/2019	01/04/2019	900
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## CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

### 7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Balance for Better	06/03/2019	08/03/2019	320	0
Gender Sensitization	01/12/2018	30/04/2019	750	0

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
Power requirement met by renewable energy sources 18.65 Total power requirement 751960 units Renewable Energy Source 160kW Solar PV Plant Renewable energy generated and used 130664.94 Energy supplied to the grid 9592.8 units supplied during 20182019

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries

Physical facilities	Yes	14
Provision for lift	Yes	14
Ramp/Rails	Yes	14
Rest Rooms	Yes	14
Scribes for examination	Yes	0

#### 7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	1	1	12/03/2018	90	PMKVY	Jr. Software Developer Training	19
2018	1	1	02/04/2018	90	PMKVY	Data Entry Operator Training	33
2018	1	1	02/07/2018	60	ANVESHANA	Imparting technical knowledge among Government school students through project mentoring and project Expo on evolving technologies.	10
2018	1	1	02/07/2018	90	Abdul Kalam Yuva Thirang	Imparting knowledge on health issues, technology trends i.e. AI IOT, security, waste management to government schools at	11

						Golconda, Hyderabad	
2018	1	0	02/07/2018	120	Non Formal Sanskrit Education Centre (NFSE)	Sanskrit Classes	35
2019	0	1	16/02/2019	1	Street Cause	Donation of Printer	7
2019	0	1	05/03/2019	1	Street Cause	Donation of two beds and a water purifier	6
2019	0	1	04/04/2019	1	Street Cause	Donation of Basic infrastructure to anganwadi centers in Suraram	7
2019	0	1	05/04/2019	1	Street Cause	Donation of benches to primary Govt.School	7
2019	0	1	06/04/2019	1	Street Cause	Creating Self employment among women via candle making	7
2019	0	1	30/05/2019	1	Street Cause	Project Vidhya, Adoption of Government School	7
2018	0	1	18/09/2018	1	In association with Lion's club, BBR Blood Bank	Blood Donation Camp	103
2019	0	1	10/03/2019	1	Government Programme	Pulse polio Programme	19

2019	0	1	24/01/2019	1	National Disaster Response Force	NDRF	246
2019	0	1	02/10/2018	1	Swacch Bharath Seva Bharathi	Cleaning programme at NILOFER Hospital, Hyderabad	64

#### 7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
GNITS Code of Conduct for Students - Hand Book GNITS Code of Conduct for Staff - Hand Book	02/07/2018	GNITS Code of Ethics and Conduct for both the staff and the students is drafted and is placed on the college website: <a href="http://www.gnits.ac.in">www.gnits.ac.in</a> The Staff and Student Code of Ethics and Conduct sets out the standards of expected professional behavior of Students and Staff for building up a culturally vibrant and dynamic environment for the professional and academic pursuit. The book details the responsibilities for the individual and the groups in the workplace and the expected conduct in a manner that contributes positively to the academic environment failing which the consequences of their actions are also documented.

#### 7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Professional Ethics Course Integrated with the Curriculum with the designed syllabus	01/07/2018	30/04/2019	660

#### 7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

Rain Water Harvesting Pits Reducing consumption of paper Renewable Energy Source (Solar) Most of the campus is being covered by greenery Waste water treatment plant E-Waste Recycle Minimized Usage of Plastic

#### 7.2 – Best Practices

## 7.2.1 – Describe at least two institutional best practices

**Best Practice : 1 Title of the Practice: Skill Development Objectives of the Practice:** The main objective of this program is to strengthen the technical knowledge of the students. This training ensures that students attain the scope of career in both their core and in IT industry. The session starts from the very first year of their curriculum and exists until their PLACEMENTS in the final year. 1. Includes Python, Java and C Tutorials and related programming lab practice problems. 2. In addition to the languages within curriculum, the newer batch gets to learn additional language - Python, which happens to be growing and ondemand in the market. 3. Timed programming tests, so as to serve as a mock test for the actual placement process. 4. Related analytics and Metrics for Training and Placement by department as well as associated faculties. 5. Students will get individual performance reports. The context: The Technical Association Activities of each department are integrated with the curriculum within the time table. The office bearers are nominated and the planned activities are conducted regularly all through the semester. The Practice: ? The Association activities start with first working Day and close with a Valedictory in every academic year. ? The technical competencies of the students are identified in conducting various competitions and quizzes. ? The guest faculty is invited for a talk or in conducting a workshop. ? A Valedictory is conducted during the end of the academic year and distribution of certificates on that day programme. Evidence of Success: • The technical competencies and diverse talents of the students are brought to the forefront and were encouraged to take part in national level competitions. • Some of the students explored their areas of interest to present papers in intercollegiate Technical Competitions. • Knowledge in many programming languages from their basics • The fundamental concepts of the language gets stronger • Performance evaluation for each student at the end of the session • Course completion Certificate will be provided after each course • Students will be welltrained in core concepts and will be ready to face the interview by the time they reach their final year Problems Encountered and Resources Required: ? To conduct the activities on regular basis. ? Identifying the resource persons and their availability. SALIENT FEATURES The salient feature of the skill development includes: • Online Learning that helps to practice codes at anytime. • Training in many programming languages. • Test cases that match real time problems. • Training based on core concept. • Performance evaluation at the end of each session. • Course certificate. **Best Practice : 2 Title of the Practice: Maintenance of Student counseling Record Objectives of the Practice:** ? To establish a feeling of mutual understanding between the student and the teacher. ? To give individual attention to the student to cope with the academic and professional challenges in Engineering if any. ? To assist and guide the student in academic and career planning. The context: The students with their peer pressures, parental pressures and social pressures encounter academic challenges in not being regular to the classes, not able to cope with some of the subjects offered and may loose the focus to achieve the desired results and performance. The Student Counselor as mentor addresses such issues of each individual students and helps them to overcome the issues. The Practice: ? One faculty is assigned to 30 students as their counsellor/mentor. ? The faculty meets the student individually and addresses any issue that becomes deterrent for the academic progress of the student and records them in the Student Counselling Record. ? The attendance and the mid examination and end examination marks of the student are recorded on their Counselling Record and if any student is found irregular or with low performance is noted, they are personally counselled and are provided the professional help needed. Evidence of Success: • The student counselling provided a forum for each student to address their issues if any. • Many students felt comfortable to address their problems and to seek the help from their counsellor. • Most of

the students met the objective of establishing a feeling of mutual trust and understanding between them and their counsellor. Problems Encountered and Resources Required: ? The availability of time convenient both for the student and the counsellor. ? Some students feel diffident to address their issues with the counsellor. Best Practice : 3 Title of the Practice: ASSESSMENT OF NUTRITIONAL STATUS AND BODY COMPOSITION Objectives of the Practice: ? To assess the nutritional status off the Ist year B.Tech students every year that is whether they are in underweight, normalweight, over weight or obese categories based on Body mass index (BMI) norms. ? To assess the body composition profile that is body fat percentage, lean body mass including visceral fat. ? To identify the Resting Metabolic Rate (RMR) of the students. The context: Proper physique and desirable composition manifests overall health, fitness and work performance. Due to modern life style patterns, including changed dietary habits and decreased physical activity levels, health and fitness levels of the students are getting affected and resulting in the rise of noncommunicable diseases.Hence, this practice provides an opportunity for the students to know their nutritional status and body fat content. Resting metabolic rate (RMR) information helps to identify the calorie needs of a person. It helps to plan required intervention programs to achieve desirable body weight and body composition. The Practice: ? The height of the students is measured with a height stand with an accuracy of 0.1 cm.. ? The student details including age, gender and height in centimetres data are recorded and that data is entered in the Fat analyser ( Omron Karoda Scanner. Then the student is made to stand on the platform of the scanner by holding the hand grip of the scanner.). This instrument works on the principle of bio electrical impedence.. In few minutes, the weight , Fat percentage, BMI, body age, Resting Metabolic Rate and Visceral fat will be assessed and reading will be recorded. ? The students have been guided and counseling on their diet habits, physical fitness based on this data. Evidence of Success: • This data proved to be very useful to identify the malnourished students (Both under weight, over weight and obese ). • In addition to this , students with abnormal fat percentages have been identified. • Such students with abnormal BMI and fat percentage are counseled and intervention programmes are provided to achieve desirable nutritional status and body composition • The RNR data is used as an important base to identify the caloric needs of the students in the formulation of dietary guidelines.. • Many staff members also check their status of BMI and fat percent and are guided appropriately. • Many students have been suggested Physical activity guidelines to improve their overall health and fitness levels. Problems Encountered and Resources Required: ? More technical support and latest infrastructure is required to evaluate students periodically and intervention program impact can be seen and modified based on the requirement.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<http://gnits.ac.in/sites/default/files/Procedures%20and%20policies%20Physical%20Facilities.pdf>

### 7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

The Vision of the institute focuses on the empowerment of aspiring women engineering graduates through enhancing their intellectual abilities and technical competency. State of art infrastructure with upgraded software and lab facilities in enabling the technical students to have more of practical handson experience has been the exemplary work culture of the institute. The three outcomes for which the institute strives to work are: Academic Excellence, Innovation and Design and Allround development of the personality



towards social responsibility and professional ethics. Academic Excellence: A high quality of the academic excellence paves way for the desired outcomes of conceptual learning and technical competency among the students. This is achieved through curriculum design in tune with the global requirement blended with innovative teaching - learning methods. Inducting the students into various technical programs and activities, guest lectures and workshops through technical associations and forums namely ISTE, CSI, IEEE enables them to develop their technical competency to work towards their career aspirations and opportunities and to achieve their desired academic and career goals. Students are educated on courses offered through MOOCS each of the semesters in tune with the courses offered through the semester. The institute also acknowledges the academic excellence of the students through scholarships, cash awards and Gold Medals during College Annual Day. Innovation and Design: The institute's vision to empower the budding women engineers towards innovation and design is visualized through their active participation in national level competitions like Hackathon, paper presentations, Project expos. The students are mentored and guided by the faculty in working competitively to stand at the national level in various technical events. GNITS ICell , RD Cell, EDC Cell conducts various workshops, seminars, guest lectures and contests to tap the potential of the students towards innovation and design. MAC lab established by M/C Apple Inc has been the Hall Mark of the Institution in providing advanced research training for the students. All round development of the Personality: The institute strongly advocates all round development of the personality to face the challenges ahead in their career and to be more professional and responsible in handling the works assigned. This is achieved through taking part in various cocurricular and extracurricular activities.. Various technical contests and competitions are conducted by department technical associations to challenge the technical competency of the students. The various studentclubs namely Literaria clava, Sanskriti, Aarambh, Philato, Lead India 2020, Artista gives the students to explore their hobbies and talents through peer interactions in turn giving them an experiential learning in connecting to the world around. The GNITS NSS takes up initiatives in collaboration with government agencies and NGOs to built up social responsibility among the students. The institute known for excellent games and sports facilities with well demarcated Throwball, indoor shuttle, Basket ball courts, Table Tennis boards, Gym to promote health and fitness among the students. The biannual college Newsletter-Sankethika Bharathi, student published magazines GGazette, WE Magazine and the coffee table books released by the Student Clubs reflect the dynamic academic and professional ambience of the campus.

Provide the weblink of the institution

<http://gnits.ac.in/>

### **8.Future Plans of Actions for Next Academic Year**

.• To conduct international conference on "Emerging Technologies in Engineering and Technology" • To Organize at least three FDP Programs on emerging technologies. • To organize National Level Technical meet in the month of February 2020. • To Conduct Workshop on "NAAC's New Framework". • To Organize a program for creating awareness on Engineering courses with Practical demonstration to nearby Government School Students. • Renewal of NBA Accreditation for 4 UG Programmes. • Construction of EEE Block Extension.