



# **SELF STUDY REPORT**

**FOR**

**2<sup>nd</sup> CYCLE OF ACCREDITATION**

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

**G NARAYANAMMA INSTITUTE OF TECHNOLOGY AND SCIENCE 8-1-297/2/I,  
SHAIKPET HYDERABAD TELANGANA**

**500104**

**[www.gnits.ac.in](http://www.gnits.ac.in)**

**Submitted To**

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

**BANGALORE**

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# 1. EXECUTIVE SUMMARY

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## 1.1 INTRODUCTION

G.Narayanamma Institute of Technology & Science, “a **leading Engineering college in Hyderabad for women**,” was founded by late Sri G.Pulla Reddy garu in 1997, with an objective of providing excellent learning facilities for women to pursue education in Engineering since two decades. The aim is to promote Technical Education among women to enhance and build-up a new generation of thinkers, innovators and planners in the realms of Science and Technology. GNITS, a **Top Women’s Engineering College in Hyderabad** received UGC autonomous status for 10 years from 2018 and is affiliated to Jawaharlal Nehru Technological University (JNTU-H), Hyderabad. It is approved by All India Council for Technical Education (AICTE), accredited by NAAC & NBA (AICTE) and ISO 9001:2015 Certified Institution.

It is today considered as one of the best engineering colleges in Hyderabad providing excellent placements and nurturing young women as technocrats and innovators. MAC Lab was sponsored and inaugurated by Mr. Tim Cook, CEO of M/s APPLE Inc. in 2016 which enabled GNITS to secure a unique place among all other Engineering Colleges in South India. The college established various research centers to cater to the needs of research activities of faculty and students. College has Institutional membership with various professional bodies like ISTE, IET, CSI, IEEE and IETE. Various recognitions for the college definitely confirm the quality maintained. “AICTE Internshala Award” by AICTE in August, 2018. GNITS – NPTEL Local Chapter Secured 47th Rank with ‘AA’ Rating. “National Employability Award” 3 times in a row for being among top colleges in the State from AMCAT from 2017 to 2019. “Best Performance in Placements Award” in Undergrad Summit – 2018 organized by Stumagz. “Educational Leadership Award” by Dewang Mehta National Educational Award by IPE – 2017. “Best Engineering College Award” by ISTE, 2007. Won “First Prize of 17 lakhs in Aegon International – 24 Hours Health and Wealth Hackathon” in Sep 2018. Secured “Overall Championship” under south zone in sports every year.

### Vision

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

### Mission

- To fulfill the academic aspirations of women engineers for enhancing their intellectual capabilities and technical competency.
- To Leverage Leading – Edge Technologies and cultivate exemplary work culture.
- To facilitate success in their desired career in the field of engineering to build a progressive nation.

## 1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

### Institutional Strength

- Exclusive Women’s Institution

- Well- developed infrastructure
- Location advantage and accessibility in the centre of the city
- 13,000+ Women Engineers served the society at various levels in the last 25 years
- Qualified and experienced faculty
- Quality students admissions
- Only College in the Country offering UG Programme in Electronics & Telematics Engineering
- Good academic culture & practices, ambience leading to high students and faculty satisfaction
- 8/10 Programmes are NBA Accredited twice.
- 60%+ of the departments recognized as Research Centres
- 8 Centres of Excellence established
- Support to faculty qualification upgradation
- Excellent Campus Placements and well organized and structured career counselling for students
- ‘Best College for Placement Award’ and ‘National Employability Award’ from multiple recognized bodies
- ATAL Incubation Centre exclusively for Women Entrepreneurs, with 10 Crore grant
- MAC Lab of Apple Inc. for Research Orientation & App Development
- Gold Medals and Cash Awards as recognition to merit students
- Counselling and Proctoring system with regular monitoring
- Reputation across the twin Telugu states for high standard academic instruction, opportunity for holistic development, results & placements.
- 82.5% + faculty retention ratio in the last five years
- 7th Pay Scale Implemented Institution
- Gratuity system implemented institution
- Only college in the Telugu states with ‘Non-formal Sanskrit Centre’ established
- Medical Insurance to Staff and Students
- Pure Veg campus

### **Institutional Weakness**

- Limited Inter-state academic and research Interaction
- Number of faculty with Ph.D.
- Limited consultancy activities
- Inadequate Industry-Institute interaction

### **Institutional Opportunity**

- Leverage locational advantage to network with institutes of higher learning, industry and research organisations for consultancy, collaborative R & D Projects, sponsored research, academic interaction, student internships etc.
- Use the strong alumni base for institutional growth.
- More research funding opportunities.
- To offer Ph. D. Programmes.

### **Institutional Challenge**

- Establishment of Private and Deemed Universities resulting in unequal competition
- Quality of student intake in certain departments due to change in preferences
- Competition in research funding opportunities
- Effect on resource base due to the regulated tuition fee

## 1.3 CRITERIA WISE SUMMARY

### Curricular Aspects

GNITS, in compliance with the NEP 2020, has drafted the syllabus ensuring inclusion of cross-cutting technologies along with components that give scope for Employment, Entrepreneurship and Skill Development among students. 73% map with Employability, 13.73% map with Entrepreneurship and 28.15% map with skill development of the total courses. The Principal constituted 8 Board of Studies committees comprising experts from Academia, Industry and Alumnae.

Based on the feedback solicited and received from the four stakeholders viz students, teachers, employers and alumnae, 138 new courses are introduced during last 5 years. A platform to provide instruction on Gender Sensitization, Environmental Studies, Constitution of India, and Professional Ethics is created through mandatory courses. Content is ensured to be logically sequenced and progressive. This step aims to create a cohesive learning experience for students. Syllabus at the department level is designed in accordance with the local, regional, national, global level and industry needs in alignment with the suggestions given by the DAC and PAC and in conformity with the statutory governing bodies such as AICTE, NAAC, NBA and JNTUH. The course structure is mapped with the Programme Outcomes(POs) that are typically based on institution's Vision & Mission.

The proposed curriculum and syllabi are made ready for implementation after obtaining approval from the Board of Studies, duly making the modifications considering the recommendations and suggestions of all stakeholders. In all 443 courses are offered.

Faculty members are encouraged to adopt teaching methodologies and delivery mechanisms beyond the blackboard like the use of slideshows, videos, quizzes, seminars, site visits, industrial visits, group discussion, model making competition etc. Lecture capturing system is in place, taken in the right spirit by the faculty for self-assessment and improvement.

100% of the students obtain the needed exposure and hands-on experience through field projects, mini projects, major projects and internships. Choice-based Credit system gives flexibility to students alongside the option of exit after second year with a Diploma.

The well-designed curriculum is further supplemented with NPTEL and other online platforms. Gaps are filled with 45 Value Added Courses that act as bridges, effectively meeting the additional requirements in the teaching-learning process.

### Teaching-learning and Evaluation

The college has a very good student enrolment of 95% and caters to the student diversity by exposing them to the various activities intended to improve the differential learning needs such as poster presentation, role lays,

projects, industry visits and report writing etc.

Students are provided with combination of traditional and innovative methods to make learning student-centric. Various programs are organized to motivate creative ability and provide a platform to encourage Experiential learning (Workshops, Seminars, Virtual Lab, Simulation, Problem-solving skills (Project-based learning, Real-time case studies, Proto-type models, Crosswords, Research projects, Viva, Public Speaking) and Participative learning (Video, Demonstration, Activity-based learning, Think-Pair-Share, Flipped Classroom, GD/debate, MOOCs, Google Classroom). Today, it is essential for the students to learn and master the latest technologies in order to be corporate ready. As a consequence, teachers are using ICT tools to enhance and optimize the delivery of education.

GNITS provides mentoring to the students. This process nurtures the cognitive and emotional growth of students and have positive impact on their academic achievements and persistence. Trained psychologist is available in campus. The academic calendar is prepared keeping in view of the diversity in learning levels of the student comprising of student centric methods. The contains induction for freshers, instruction period governed by the lesson plans comprising of online learning resources, NPTEL, Government initiatives and Institutional LMS impartus. The assessment through exam to understand attainment of COs which indicate understanding the objectives and outcomes by the students in the class. In general there will be 4 to 6 outcomes based on the content of the subject mapped to Program Outcomes. These COs follow Bloom's Taxonomy of knowledge classification. Attainments of POs and PSOs are from complete curriculum subjects.

The Student staff ratio is very good which reflects the continuous followup of teachers with the quality assurance, resulting 98.2 pass percentage and very good placements, acknowledged as the Best Women's Engineering College by various statutory bodies. The average teaching experience being 15.2 years, excellent retention ratio of staff, large number of quality publications, authoring books, patents indicates the best environment for staff to grow in GNITS.

### **Research, Innovations and Extension**

Research and Development cell is vibrant at GNITS with an approved R&D policy, consultancy policy along objectives committees and financial benefits to inculcate research and innovative skills among faculty and students. Quality of the research work is ensured through plagiarism policy and GNITS organizes International conference in association with recognised bodies and reputed publishers. GNITS has 75 Doctorates and 25 are recognized as supervisors from various universities like JNTUH, OU, KLEF, VIT University etc. 33 scholars who were awarded Ph.D. 52 scholars are pursuing Ph.D. under the guidance of the supervisors from the college for the academic years from 2018-19 to 2022-23. The departments of CSE& IT, ECE&ETM, and EEE are recognized as Research Centres by JNTUH, Hyderabad. Faculty published 823 papers in reputed and indexed journals and 659 in International Conferences/ Book Chapters and book publications.

100.84 lakhs of SEED grant facilitated faculty to be active in research and consultancy activities and 83 research projects worth Rs.156.98 lakhs are sanctioned by government and non-government agencies and 42 research proposals are submitted in the last 5 years. 41 patents are published out of which 8 are granted.

Innovation and Entrepreneurship cell provides complete ecosystem to nurture the students' ideas and support them build prototypes. Majority of students innovations were awarded with cash prizes worth of Rs. 20, 00,000

by Industry and Government bodies. A total of 2075 students participated in 20+ events under ED Cell and these efforts resulted in 20+ startups by alumni and 2 student startups were registered till date. MIRAINXT is an accelerator section 8 company for investing start-ups and Atal Incubation Center is sanctioned by AIM Govt. of India to support women led startups. A total of 111 activities have been conducted with the involvement of various clubs including NSS, Rotaract, StreetCause and EBSB etc. and on an average 86.14% of students participated from various departments. A total of 41 MoUs were made during these five years, and has resulted in a total of 520 activities for Students and Faculty of GNITS with these collaborations and industry linkages.

### **Infrastructure and Learning Resources**

GNITS is a centrally located, eco-friendly educational institution spread over 12.5 acres. It offers modern facilities and services, including 52 well-furnished classrooms with ICT Facilities, smart technology-enabled learning rooms for hackathons and webinars, and 4 spacious seminar halls. Well-equipped laboratories, including Centers of Excellence, support practical learning.

The campus boasts sports facilities, both indoor and outdoor, promoting extracurricular activities and sports events. A gymnasium with 8-station equipment is available, along with yoga facilities and an annual celebration of International Yoga Day. Various clubs and activities, such as cultural clubs, NSS, and Google Developer Student Club, encourage holistic development.

Transportation is convenient, with college-provided options and nearby public transport. Medical services, including a healthcare center and tie-ups with nearby hospitals, ensure student health. An on-campus canteen serves hygienically prepared, subsidized meals. Overall, the institution offers a comprehensive educational experience, emphasizing sustainability and student development.

G. Narayanamma Institute of Technology & Science for Women library is truly a learning center built with 15044 Sq.ft of carpet area spreading over two floors (ground and first floors). The library subscribes to more than 134 national and international journals. In all, the Central library has 44,800 volumes and around 9,300 titles covering various advanced disciplines pertaining to all the branches of engineering courses.

The library is fully automated using the following Integrated Library Management System, ECAP. Digital library is well equipped with 30 multimedia systems and uninterrupted power backup to access e-journals, e-books and international standards and A.V lectures through databases like IEEE Xplore Digital Library, DELNET, J-GATE, NDL, Swayam NPTEL, AICTE e-Kumbh, VIDWAN, IRINIS, Knimbus Remote Access.

GNITS is a WiFi enabled campus with 1000 Mbps Leased Line. There are a total of 115 WiFi access ports in the campus. The Institute is providing 1485 systems to students for academic purpose. The student to computer ratio is 2.4:1. There are 92 Projectors around the campus in classrooms and seminar halls. There are a total of 17 Interactive Boards in the departments to assist in smart learning.

GNITS has established an exclusive audio visual centre with a studio in the year 2020. The centre has Maxhub Interactive Panel with impressive 86" display. A Panasonic AGUX90 HD Video Camera with 60FPS is used to capture the recording. Software tools like Adobe Illustrator, Adobe Premiere Pro, bunnynet platform for video editing etc. The Lecture Capturing System (LCS) is installed in 10 classrooms to record the lectures live during the student lecture hours.

The College allocates adequate funds for the maintenance and upkeep of different facilities. The College has

well established procedure of maintaining and utilizing academic and support facilities. The institution has backup power (generator, UPS, and batteries) to ensure continuous electricity. Maintenance contracts for major breakdowns, record regular inspections, quotes for replacement parts, service provider's work will be validated by authorities. The Mechanical Engineering Department provides in-house services for custom fabrication and repairs of all furniture's in the campus. The IT Department's network administrator and hardware technicians oversee the college's intranet and internet. The maintenance will be monitored by the Floor In-charges to inspect the classrooms before the instigation of each semester. Electrical Maintenance. are done by the Civil Department.

### **Student Support and Progression**

- The Institution has been putting relentless efforts for the all-round development of students of GNITS. The student chapters of various professional societies like IEEE, IETE, ISTE, CSI, are actively involved in organizing Technical events. The student clubs like ARTISTA, Literaria Clava, ABHAYA, GDSC & Samskruthi are involved in organizing Cultural Fests, Social activities & other co-curricular activities.
- Adequate representation is given for students in all academic/administrative committees of the Institute and the students are being involved in the decision making processes. There are a total of 39 committees out of which 27 committees have active student participation & involvement in various activities. The institute encourages students and provides opportunity to develop leadership qualities by organizing and carrying out events in the college under different committees.
- 76.16% of the students avail scholarships & freeships from the Government as well as the institution.
- The Institution has a dedicated Career Guidance Cell to provide awareness and guidance to students to assess their interests, skills, and goals. It also provides valuable insights into various career fields, industries, job roles, and qualifications required for achievement of their career goals. Career counselling helps students to gain clarity on career objectives and understand the career options available.
- Grievance-Redressal-Committee, Anti-Ragging-Committee and Internal complaints committee help the students to overcome the issues related to Ragging, Sexual Harrassment or abuse if any.
- Institution has a good placement record. So far nearly 80 companies have visited GNITS. On an average a 71% of the students are placed on campus every year, and nearly 10% of the students opt for higher educations in prestigious institutions both local & abroad.
- A total of 194 awards / medals are won by the students in sports/cultural activities at both state & national level. Plus 115 sports/cultural activities/competitions were organized in the institution over the last five years.
- The registered Alumnae Association of GNITS encourages its members to provide alumnae service to support the institute's mission of lifelong learning. The Alumni Association contributes significantly to the development of the the society through different financial and non financial initiatives.

### **Governance, Leadership and Management**

G. Narayanamma Institute of Technology and Science (GNITS) is on a noble mission to empower women through high-quality engineering and technology education. The Institute has a well-defined organizational structure and policies of Governing body (GB) are implemented by principal with the help of Head of the departments and various committees constituted for specific purpose. Faculty are represented in GB and board of studies as part of participative management. As part of de-centralization, representatives of faculty, non-teaching staff and students participate in various committees of the institution.

The institute has formulated a strategic plan and continues to implement it for its overall development. The teaching and learning process have been refined to meet the highest educational standards, while co-curricular and extra-curricular activities for students have flourished.

GNITS has successfully implemented the Engineering College Automation Package (ECAP), which covers various modules and the accounts department uses Tally Accounts software for managing staff salaries, payments, and other expenses.

GNITS is deeply committed to the welfare of its staff, offering schemes such as employee provident fund (EPF), maternity leave for women, health-insurance, personal accident coverage, ESI coverage etc. and a group gratuity scheme.

Faculty are encouraged to attend Faculty development programs, Refresher courses, workshops, Conferences etc, and are financially supported by the way of providing On duty, Registration fee etc. Professional development programs are conducted for teaching faculty and administrative /technical training programs for non-teaching staff.

The institute has a well-defined performance appraisal system for faculty and non-teaching staff. The institute follows strict budgeting and auditing procedures with biannual internal audits and annual external audits.

The IQAC cell of GNITS looks after quality aspects in the institute. The IQAC regularly reviews the teaching learning process, evaluation and assessment, etc. The autonomy empowers GNITS to adapt its syllabus to closely align with industry requirements, effectively bridging the gap.

The institution has been participating regularly in ranking of higher educational institutions .The Institution has ISO 9001-2015 certification , NBA accreditation for four UG courses and three PG courses and are live.

### **Institutional Values and Best Practices**

GNITS as a Women's Engineering College strives to provide safe and secure academic environment for women not only to pursue their courses but also to empower them to take part in various diverse academic and extra and cocurricular activities through student led Clubs and Technical forums. Institute has undertaken the audits required for the energy and environment and is complied with the ISO certifications.

The institute understands and meets the requirements of women employees and girl students with respect to safety, round the clock security, counselling by a psychologist and has made provision for requisite facilities and committees.

The institution has adopted an environment friendly approach in maintaining a green campus with continuous attention towards tree plantation, adopting water harvesting methods, and employing renewable energy resources for power generation. Facilities like ramps, elevators etc have been provided for the differently abled students.

The students are offered two Mandatory courses on Human Values and Professional Ethics and Gender Sensitization and handles the courses through debates, discussions, case studies and presentations.

While the Administrative Manual defines the roles and responsibilities of the various administrative positions,



the Code of conduct and ethics for both the students and faculty is published in their handbook and is placed on the college website.

The two best practices that the institution believes and follows are:

Holistic development – Nurturing Sports Competencies to improve their fitness, skills and competencies. The Institute provides all the support and facilities in encouraging the students to take part in various sports events at state and national level. Special coaches are recruited to train the students after the college hours.

The second best practice adopted by the institute is to nurture and mentor the students to take part in research and innovation activities through various technical forums and research & innovation centres.

The Institution is distinctive in facilitating wide range of diverse activities on campus like establishing a Non Formal Sanskrit Education Centre, Establishing advanced research centre like MAC Lab, ATAL Incubation Centre and has received various distinct Awards and Rewards for the Excellence in Technical Education and Placements.

## 2. PROFILE

### 2.1 BASIC INFORMATION

Name and Address of the College	
Name	G.NARAYANAMMA INSTITUTE OF TECHNOLOGY AND SCIENCE (FOR WOMEN)
Address	G Narayanamma Institute of Technology and Science 8-1-297/2/I, Shaikpet Hyderabad Telangana
City	Hyderabad
State	Telangana
Pin	500104
Website	<a href="http://www.gnits.ac.in">www.gnits.ac.in</a>

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	K Ramesh Reddy	040-29565848	9849422460	040-29567760	principal@gnits.ac.in
IQAC / CIQA coordinator	K.rama Linga Reddy	040-29565856	9391045077	040-29567756	iqac@gnits.ac.in

Status of the Institution	
Institution Status	Private and Self Financing

Type of Institution	
By Gender	For Women
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details	
Date of Establishment, Prior to the Grant of	01-01-1997

'Autonomy'	
Date of grant of 'Autonomy' to the College by UGC	01-01-1970

University to which the college is affiliated		
State	University name	Document
Telangana	Jawaharlal Nehru Technological University	<a href="#">View Document</a>

Details of UGC recognition		
Under Section	Date	View Document
2f of UGC	31-03-2017	<a href="#">View Document</a>
12B of UGC		

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)				
Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	<a href="#">View Document</a>	01-07-2018	12	
AICTE	<a href="#">View Document</a>	01-07-2018	12	

Recognitions	
Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	No
Is the College recognized for its performance by any other governmental agency?	No

<b>Location and Area of Campus</b>				
<b>Campus Type</b>	<b>Address</b>	<b>Location*</b>	<b>Campus Area in Acres</b>	<b>Built up Area in sq.mts.</b>
Main campus area	G Narayanamma Institute of Technology and Science 8-1-297/2/I, Shaikpet Hyderabad Telangana	Urban	12.5	38683

## 2.2 ACADEMIC INFORMATION

<b>Details of Programmes Offered by the College (Give Data for Current Academic year)</b>						
<b>Programme Level</b>	<b>Name of Programme/ Course</b>	<b>Duration in Months</b>	<b>Entry Qualification</b>	<b>Medium of Instruction</b>	<b>Sanctioned Strength</b>	<b>No.of Students Admitted</b>
UG	BTech,Computer Science And Engineering	48	Intermediate	English	120	120
UG	BTech,Computer Science And Engineering	48	Intermediate	English	240	240
UG	BTech,Computer Science And Engineering	48	Intermediate	English	60	60
UG	BTech,Electronics And Communication Engineering	48	Intermediate	English	180	180
UG	BTech,Electrical And Electronics Engineering	48	Intermediate	English	120	114
UG	BTech,Information Technology	48	Intermediate	English	120	120
UG	BTech,Electronics And Telematics	48	Intermediate	English	60	60

	Engineering					
PG	Mtech,Computer Science And Engineering	24	B.Tech	English	12	8
PG	Mtech,Electronics And Communication Engineering	24	B.Tech	English	12	5
PG	Mtech,Electrical And Electronics Engineering	24	B.Tech	English	12	4
PG	Mtech,Information Technology	24	B.Tech	English	12	8
PG	Mtech,Electronics And Telematics Engineering	24	B.Tech	English	12	6

**Position Details of Faculty & Staff in the College**

<b>Teaching Faculty</b>												
	<b>Professor</b>				<b>Associate Professor</b>				<b>Assistant Professor</b>			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	0				0				0			
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit	0				0				0			
Sanctioned by the Management/Society or Other Authorized Bodies	20				26				188			
Recruited	12	8	0	20	13	13	0	26	44	144	0	188
Yet to Recruit	0				0				0			

<b>Non-Teaching Staff</b>				
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Total</b>
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				66
Recruited	15	51	0	66
Yet to Recruit				0

<b>Technical Staff</b>				
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Total</b>
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				67
Recruited	31	36	0	67
Yet to Recruit				0

### **Qualification Details of the Teaching Staff**

<b>Permanent Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/ LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	10	8	0	7	12	0	7	23	0	67
M.Phil.	0	0	0	0	0	0	1	0	0	1
PG	2	0	0	6	1	0	36	121	0	166
UG	0	0	0	0	0	0	0	0	0	0

<b>Temporary Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/ LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

<b>Part Time Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

<b>Details of Visting/Guest Faculties</b>					
<b>Number of Visiting/Guest Faculty engaged with the college?</b>	<b>Male</b>		<b>Female</b>		<b>Total</b>
		0	0	0	

**Provide the Following Details of Students Enrolled in the College During the Current Academic Year**

<b>Programme</b>		<b>From the State Where College is Located</b>	<b>From Other States of India</b>	<b>NRI Students</b>	<b>Foreign Students</b>	<b>Total</b>
UG	Male	0	0	0	0	0
	Female	714	45	135	6	900
	Others	0	0	0	0	0
PG	Male	0	0	0	0	0
	Female	30	1	10	0	41
	Others	0	0	0	0	0



<b>Provide the Following Details of Students admitted to the College During the last four Academic Years</b>					
<b>Category</b>		<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>
SC	Male	0	0	0	0
	Female	83	86	84	66
	Others	0	0	0	0
ST	Male	0	0	0	0
	Female	26	28	28	24
	Others	0	0	0	0
OBC	Male	0	0	0	0
	Female	173	178	172	147
	Others	0	0	0	0
General	Male	0	0	0	0
	Female	576	570	580	488
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
<b>Total</b>		<b>858</b>	<b>862</b>	<b>864</b>	<b>725</b>

## 2.3 EVALUATIVE REPORT OF THE DEPARTMENTS

<b>Department Name</b>	<b>Upload Report</b>
Computer Science And Engineering	<a href="#">View Document</a>
Electrical And Electronics Engineering	<a href="#">View Document</a>
Electronics And Communication Engineering	<a href="#">View Document</a>
Electronics And Telematics Engineering	<a href="#">View Document</a>
Information Technology	<a href="#">View Document</a>

### Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary:	<p>In view of the NEP, GNITS has initiated new interdisciplinary activities integrating different departments in addition to the existing inter/multidisciplinary research and academics. Academic programmes are redesigned to include Multidisciplinary /Interdisciplinary courses as electives. All programmes are designed in such a way that students get maximum flexibility to choose elective courses offered by other Department. Project Expos and Hackathons are organized to inculcate multidisciplinary Research and Innovation. Workshops and FDPs are conducted where staff and students from different departments participate. College is proactively working towards implementation of the suggestions given in the NEP and GNITS is implementing these with full vigour.</p>
2. Academic bank of credits (ABC):	<p>G.Narayanamma Institute of Technology &amp; Science is an Autonomous college. In the direction of Academic Bank of Credits, the guidelines issued by the NEP are considered and decision has been taken in College Academic Committee meeting and registered for Academic Bank of Credits and the student details are entered in the portal.</p>
3. Skill development:	<p>The Institute organizes various activities for the development of soft skills, life skills, values etc. Soft skills activities includes campus recruitment training programs, workshops are organized by industry experts to make students industry ready. Women Empowerment programs are also conducted. To improve language and communication skills, apart from various labs included in Curriculum, various activities are organized under Model United Nation and Non-Formal Sanskrit Education Centre. Some of the major life skills activities included Yoga for Wellness, Self defence workshop, Life Skill and capacity development training. To inculcate values among students, courses like Gender Sensitization, National Service Scheme, Stress Management by Yoga, Behavioral Skills and Professional Communications are included in Curriculum.</p>
4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):	<p>GNITS encourages learning of Sanskrit language through Non Formal Sanskrit Education Centre. All regional and National festivals are Celebrated in campus involving Staff and Students. Various cultural activities and competitions like Rangoli, Essay Writing in regional language etc. are</p>

	<p>organized. Further, subjects like Constitution of India, Human Values and Professional Ethics etc. in the curriculum of various programmes inculcates cultural values in Indian tradition so that students imbibe value orientation.</p>
<p>5. Focus on Outcome based education (OBE):</p>	<p>GNITS offers 8 Under Graduate and 5 Post Graduate Programmes. All these programmes are offered as outcome-based education (OBE) which is designed keeping in mind the national and global requirements. The Institute has implemented outcome-based education with clearly stated Programme Outcomes, Programme Specific Outcomes and Course Outcomes. All courses are designed with outcomes centred on cognitive abilities namely Remembering, Understanding, Applying, Analysing, Evaluating and Creating. Apart from the domain-specific skills, learning outcomes at all levels ensure social responsiveness and ethics, as well as entrepreneurial skills so that students contribute proactively to economic, environmental and social well-being of the nation. All course syllabi have been designed with due consideration to social needs at large so as to apply the spirit of NEP.</p>
<p>6. Distance education/online education:</p>	<p>Since 2019, educational institutions in the country have employed digital platforms for engaging classes, conducting conferences, meetings etc. Keeping aside the negative impact of lack of face to face learning, online education has broken the geographical barriers creating interaction of experts and students from distant locations. Opening up of the educational institutions after pandemic has paved the way of adopting hybrid mode of education called as 'PHYGITAL' combining online and offline resources. This can be considered as the new normal, which is envisaged in New Education Policy as well. Due to the experience gained during the closure period of Covid-19, access to online resources by educators and students will not be a constraint anymore. As a part of course curriculum, MOOC courses are offered at GNITS which promote the blended learning system of learning. GNITS is involved in Online Education using Microsoft Teams, Zoom, Google meet etc. for delivering topics beyond the syllabus. Students are allowed to opt the classes through either Online Mode or Offline Mode for professional electives.</p>

**Institutional Initiatives for Electoral Literacy**

1. Whether Electoral Literacy Club (ELC) has been set up in the College?	Yes, GNITS established Electoral Literacy Club
2. Whether students' co-ordinator and co-ordinating faculty members are appointed by the College and whether the ELCs are functional? Whether the ELCs are representative in character?	Yes, ELC consists of student volunteers and faculty members. It is functional.
3. What innovative programmes and initiatives undertaken by the ELCs? These may include voluntary contribution by the students in electoral processes-participation in voter registration of students and communities where they come from, assisting district election administration in conduct of poll, voter awareness campaigns, promotion of ethical voting, enhancing participation of the under privileged sections of society especially transgender, commercial sex workers, disabled persons, senior citizens, etc.	Yes, the Student Volunteers in ELC extend technical support during the time of voting in various polling booths located in the vicinity of the college. The student volunteers participate in electoral process in voter registration of the students and other stakeholders.
4. Any socially relevant projects/initiatives taken by College in electoral related issues especially research projects, surveys, awareness drives, creating content, publications highlighting their contribution to advancing democratic values and participation in electoral processes, etc.	Yes, GNITS celebrate National Voter's Day every year and students and volunteers participate in good number and democratic values will be infused among them.
5. Extent of students above 18 years who are yet to be enrolled as voters in the electoral roll and efforts by ELCs as well as efforts by the College to institutionalize mechanisms to register eligible students as voters.	Yes, enrollment as voters is a perennial process. Students who attain 18 years of age will be enrolled as voters.

## Extended Profile

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### 1 Students

#### 1.1

##### Number of students on rolls year wise during last five years

2022-23	2021-22	2020-21	2019-20	2018-19
3550	3343	3136	2949	3012
File Description		Document		
Provide Links for any other relevant document		<a href="#">View Document</a>		
Institutional data in the prescribed format (data		<a href="#">View Document</a>		

#### 1.2

##### Number of final year outgoing students year wise during last five years

2022-23	2021-22	2020-21	2019-20	2018-19
710	731	741	703	769
File Description		Document		
Provide Links for any other relevant document		<a href="#">View Document</a>		
Institutional data in the prescribed format (data		<a href="#">View Document</a>		

### 2 Teachers

#### 2.1

##### Number of full time teachers year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
217	190	192	186	188
File Description		Document		
Provide Links for any other relevant document		<a href="#">View Document</a>		
Institutional data in the prescribed format		<a href="#">View Document</a>		
Certified list of full time teachers		<a href="#">View Document</a>		

**2.2**

**Total number of full time teachers worked/working in the institution (without repeat count) during last five years:**

**Response: 250**

File Description	Document
Provide Links for any other relevant document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

**3 Institution****3.1**

**Total expenditure excluding salary year wise during the last five years (INR in lakhs)**

2022-23	2021-22	2020-21	2019-20	2018-19
1765.46524	890.37282	718.56089	955.24518	813.82992

## 4. Quality Indicator Framework(QIF)

### Criterion 1 - Curricular Aspects

#### 1.1 Curriculum Design and Development

##### 1.1.1

**Curricula developed and implemented have relevance to the local, regional, national, and global developmental needs, which is reflected in the Programme outcomes (POs) and Course Outcomes(COs) of the Programmes offered by the institution**

**Response:**

#### **Curriculum Design Process:**

**Program Structure Proposal:** Board of Studies Committee, composed of experienced internal faculty members works on propose the draft program structure for the curriculum. This structure should align with PEOs, Program Outcomes (POs), andPSOs. It also takes into consideration guidelines set by regulating and accreditation agencies such as AICTE , NAAC and NBA.

**Stakeholder Feedback:** In case of revision, Inputs collected from various stakeholders on a 5-point Scale is considered, including academicians, industry experts, recruiters, alumni, parents, and faculty. Stakeholders' opinions/suggestions aresolicited and are considered during the revision.

#### **Curriculum**

#### **Mapping:**

The curriculum is mapped out in a way that ensures courses are logically sequenced and progressive. This step aims to create a cohesive learning experience for students throughout their academic journey. Courses mapping to the expected outcomes and the graduate needs are considered to establish outcome based curriculum.

**Board of Studies (BOS) Review:** The proposed curriculum and syllabi are presented to the Board of Studies, which includessubject matter experts and faculty members. and incorporate the suggestions as necessary.

**Finalization:** After obtaining approval from the relevant governing bodies, the curriculum and syllabi are finalized and readyfor implementation. Their recommendations and suggested modifications are considered.

#### **Curriculum Implementation:**

**Academic Calendar** - Academic Calendar for every semester will be given by the College Academic Council, before the commencement of classes. As per the syllabus provided, Dean Academic, in consultation with Principal and heads ofdepartments, develops a detailed action plan for effective implementation of curriculum. Departmental head with staff members develop the strategies for effective implementation.

At department level, HOD nominates 2 or 3 faculties as ‘Time table coordinators’ and calls for a meeting with all the faculties for course allotment. Courses will be distributed to faculty based on areas of expertise, prior experience and individual preference. Class time table will be approved by HOD and Principal, and then circulated. Faculty will prepare the lesson plan for the courses so as to cover the syllabus effectively within the time frame by developing course file as per IQAC guidelines.

**Innovative Teaching Methodologies** – The faculty members are encouraged to implement teaching methodologies such as slideshows, videos, quizzes, seminars, site visits, industrial visits, group discussion, model making competition etc.

**Student Feedback** - The student feedback on faculties helps the faculty to improve his / her teaching for continuous improvement. Students feedback taken on syllabus, site visits, technical talks, technical trips, Internship, POs and PSOs, Department and Institution.

**Faculty Meetings** – Regular/frequent meetings will be conducted by Principal with Heads of all the Departments to discuss various academic and non-academic issues. HODs in turn call a meeting of Department faculties and convey the proceedings of meeting held by the Principal and actions will be taken at the Department level.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

### 1.1.2

**The programmes offered by the institution focus on employability/ entrepreneurship/ skill development and their course syllabi are adequately revised to incorporate contemporary requirements**

**Response:**

GNITS works towards nurturing professionals with competence and needed skill set. Curriculum enrichment processes of the college offer an enhanced learning experience ensuring quality education. All the programmes offered focus on enhancing the employability of the students, equipping them with the needed awareness and knowledge on entrepreneurship, and encouraging them for skill development.

**Employability** - 73% of the programmes offered at the college promote self-learning and awareness on development in their domains. To ensure employability, the college has introduced training programmes in the lines of Finishing School. Further, guided usage of online learning platforms- MOOCs such as SWAYAM, Coursera etc. have improved the ICT-enabled learning and training. Instruction in Technical report Writing, mock-interviews by the alumni from the industry as part of the English Language Laboratory, training in the latest software and technologies, play key role in preparing the students for the job world. Mac Lab established by the prestigious APPLE Company in the college to train the students is one of its kind in the country and is making the students industry ready. Curriculum and



practices are ensured to be evolving at the same pace as the industry. The continuous assessment and the best pedagogical practices make students be up to date with their learning. Students are made to focus on understanding of the application of their engineering and technology related knowledge at the workplace. All the emerging areas recommended by AICTE as model Curriculum like AI, IoT, Robotics, Blockchain, Machine Learning, Data Science and Cyber Security are incorporated to enhance the employability of the students. Students are encouraged to take up internship that enables them to have hands-on experience even during the student days, with a good number of companies offering internship to GNITS students.

**Entrepreneurship** – 13.73% of the programmes offered are oriented towards knowledge on self-employment. They provide the students with the ability to design, experiment, and work on projects which are fundamental drivers of entrepreneurship and innovation. These help to develop teamwork, collaboration, networking, and multidisciplinary skills, which are critical people management and social skills needed in the business domain. The project reports and the presentations that the students make within the deadlines, make them adept at project management. The programmes focusing on entrepreneurship are supplemented by the Entrepreneurship Development Cell, and the Innovation & Incubation Centre in the college giving the students the needed awareness and opportunity to work on their business ideas.

**Skill Development** - 28.15% of the programmes offered at the college focus on Skill development. All the laboratories give ample opportunities for hands-on experience to develop technical and people skills. Emerging technology related lab courses are incorporated at the same pace as the industry. The Language Laboratory courses intensively train the students in communication skills and soft skills to enhance their employability and sustenance. The programmes are supplemented with Student Clubs for Skill development. The complementary nature of employability, skill development and entrepreneurship are clearly comprehended and due importance is given in structuring the programmes offered in the college.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 1.2 Academic Flexibility

### 1.2.1

**Percentage of new courses introduced out of the total number of courses across all programmes offered during the last five years**

**Response:** 31.15

#### 1.2.1.1 Number of new courses introduced during the last five years:

**Response:** 138

#### 1.2.1.2 Consolidated number of courses offered by the institution across all Programmes (without

repeat count) during the last five years :

Response: 443

File Description	Document
Subsequent Academic Council meeting extracts endorsing the decision of BOS	<a href="#">View Document</a>
Minutes of Board of Studies meeting clearly specifying the syllabus approval of new courses	<a href="#">View Document</a>
Institutional data in the prescribed format (data template)	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 1.3 Curriculum Enrichment

### 1.3.1

**Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability and other value framework enshrined in Sustainable Development Goals and National Education Policy – 2020 into the Curriculum**

**Response:**

In Compliance with the NEP 2020 in the education ecosystem, GNITS has incorporated the changes in R22 Regulations of the curriculum. Introducing credit bank, Mini project at the 2nd year level enabling exit with a diploma certificate, offering 30% of the courses (Professional & Open electives) through online mode, offering Minor degrees, balancing the credits across the eight semesters, are some of the incorporations made in the R22 syllabus for the holistic development of the students. Credit and Mandatory courses of engineering as well address to the issues of Gender Equality, Sustainability, Human Values and Ethics. They are offered as an integral content in the core engineering subjects to create an impact in moulding responsible citizens.

#### **Professional Ethics and Human Values**

- A mandatory course on Human Values and Professional Ethics is introduced in 2nd year B.Tech. students in 2nd semester. Trained faculty members impart knowledge on Human Values and Ethics. The Course book provided to the students vividly covers the Code of Conduct during the Professional Education thereby ensuring a positive impact on their Personality Development.
- A two-week induction programme conducted for first years helps them acclimatize with the new system, develop a bonding with the fellow students and teachers, get sensitized towards various issues of curricular and social relevance thereby imbibing human values in them by resource

persons from various realms.

- M. Tech. students are offered theoretical and practical components in a Course on Yoga for managing stress. Physiological and the yogic knowledge enabled students to work towards radiant physical health, created an ability for harmonious living, and improved focus on academics.
- Besides the mandatory courses, the students are engaged in Games & Sports and NSS. Games and Sports are offered with the objective of inculcating physical culture, engage in sporting activities to encourage healthy lifestyle. NSS volunteers reach to the government schools in the vicinity and offer career counselling, encouraging the school children to aspire for higher education. They collect clothes and books from donors and distribute them amongst slum-dwellers besides creating awareness on health and hygiene. Volunteers also participate in Blood donation camps and Pulse Polio programmes.

### Gender Sensitization

- Gender Sensitization course, offered in the second year, acknowledges the centrality of gender in the making of citizens and civil society. Students are sensitized to the issues of gender in terms of discrimination and violence and are prepared to face realities for interaction among the genders and Gender Equity Policies.

### Environment and Sustainability

- Environmental Science & Technology course gives an understanding of ecological balance for sustainable development. The students are motivated to think on the lines of utilizing advanced technologies in the conservation of environment through sustainable approaches.
- Disaster Management is offered as open elective to all branches of students in the third year giving an understanding to handle the critical concepts of disaster management.
- Environment Impact Assessment is offered to fourth year students as open elective enabling them to prepare for effective Environment Impact Statements and Audit Report in alignment with the legislations prevailing.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

### 1.3.2

**Number of certificate/value added courses/Diploma Programmes offered by the institutions and online courses of MOOCs, SWAYAM/e-PG Pathshala/ NPTEL and other recognized platforms (without repeat count) where the students of the institution have enrolled and successfully completed during the last five years.**

**Response:** 38

<b>File Description</b>	<b>Document</b>
List of students and the attendance sheet for the above mentioned programs	<a href="#">View Document</a>
Institutional programme brochure/notice for Certificate/Value added programs with course modules and outcomes	<a href="#">View Document</a>
Institutional data in the prescribed format (data template)	<a href="#">View Document</a>
Evidence of course completion, like course completion certificate etc	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**1.3.3**

**Percentage of programmes that have components of field projects / research projects / internships during the last five years.**

**Response:** 100

**1.3.3.1 Total Number of programmes that have components of field projects / research projects / internships (without repeat count) during the last five years**

**Response:** 13

**1.3.3.2 Total Number of programmes offered (without repeat count) during the last five years**

**Response:** 13

File Description	Document
Sample Internship completion letter provided by host institutions	<a href="#">View Document</a>
Sample Evaluated project report/field work report submitted by the students	<a href="#">View Document</a>
Provide the relevant information in institutional website as part of public disclosure	<a href="#">View Document</a>
Program and course contents having element of field projects / research projects / internships as approved by BOS	<a href="#">View Document</a>
Institutional data in the prescribed format (data template)	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 1.4 Feedback System

### 1.4.1

**Structured feedback for curriculum and its transaction is regularly obtained from stakeholders like Students, Teachers, Employers, Alumni, Academic peers etc., and Feedback processes of the institution may be classified as follows:**

**Response:** A. Feedback collected, analysed, action taken & communicated to the relevant bodies and feedback hosted on the institutional website

File Description	Document
Feedback analysis report submitted to appropriate bodies	<a href="#">View Document</a>
At least 4 filled-in feedback form from different stake holders like Students, Teachers, Employers, Alumni etc.	<a href="#">View Document</a>
Action taken report on the feedback analysis	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>
Link of institution's website where comprehensive feedback, its analytics and action taken report are hosted	<a href="#">View Document</a>

## Criterion 2 - Teaching-learning and Evaluation

### 2.1 Student Enrollment and Profile

#### 2.1.1

##### Enrolment percentage

**Response:** 94.98

##### 2.1.1.1 Number of seats filled year wise during last five years (Only first year admissions to be considered)

2022-23	2021-22	2020-21	2019-20	2018-19
859	862	864	725	736

##### 2.1.1.2 Number of sanctioned seats year wise during last five years

2022-23	2021-22	2020-21	2019-20	2018-19
900	930	930	750	750

#### File Description

#### Document

Provide the relevant information in institutional website as part of public disclosure

[View Document](#)

Institutional data in the prescribed format (data template)

[View Document](#)

Final admission list as published by the HEI and endorsed by the competent authority

[View Document](#)

Document relating to sanction of intake as approved by competent authority

[View Document](#)

Provide Links for any other relevant document to support the claim (if any)

[View Document](#)

#### 2.1.2

##### Percentage of seats filled against reserved categories (SC, ST, OBC etc.) as per applicable reservation policy for the first year admission during the last five years

**Response:** 95.63

**2.1.2.1 Number of actual students admitted from the reserved categories in the first year of the programme year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
282	292	284	237	239

**2.1.2.2 Number of seats earmarked for reserved category as per GoI/State Govt. rule year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
299	304	304	244	244

<b>File Description</b>	<b>Document</b>
Provide the relevant information in institutional website as part of public disclosure	<a href="#">View Document</a>
Institutional data in the prescribed format (data template)	<a href="#">View Document</a>
Final admission list indicating the category as published by the HEI and endorsed by the competent authority.	<a href="#">View Document</a>
Copy of the letter issued by the State govt. or Central Government Indicating the reserved categories(SC, ST, OBC, Divyangjan, etc.) to be considered as per the state rule (Translated copy in English to be provided as applicable)	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any	<a href="#">View Document</a>

**2.2 Catering to Student Diversity****2.2.1**

**The institution assesses the learning levels of the students and organises special Programmes to cater to differential learning needs of the student**

**Response:**

The students taking admission into this college from diverse social, cultural, economic and linguistic

backgrounds with varied levels of knowledge, aptitudes and skills making their learning needs uniquely differential, hence their learning capabilities are different.

Upon students admission, an Induction program is conducted to orient the students towards professional courses/ communication. Continuous Internal Assessment components like Class Tests, Assignments, Quizzes, Projects, Seminars, Poster Presentations, Group Discussions, Role Plays, Analytical Reviews, Presentations and Internships help assess the learning levels of the students to identify slow and advanced learners.

The students are classified as slow learners and advanced learners as

given below:

- Slow Learners (less than 40% in Mid marks)
- Advanced Learners (85% and above)

#### **Measures taken for slow learners:**

1. Conduction of remedial classes (5 Sample Records): Remedial classes are conducted to assist students in understanding the subject thoroughly and to bring the students on par with their peers in the class.
2. Regular follow up – Remedial classes, clarify doubts, provide unit wise question bank, class teachers follow up with students having less attendance while the class notes and previous question papers are shared with students and guidance given to boost the confidence of students Mentoring (Out of 3550 students \_716 students improved).

#### **Encouragement for advanced learners:**

1. Free ships for academic toppers, attendance toppers, best placement pay package students, gold medal winners, Young Engineer award, toppers in competitive Exams, higher studies, projects.
2. Internships – Students are advised to take up Internships in various Industries/fields in order to gain practical knowledge, develop skills, and gain exposure to a particular industry or field of work.
3. Value Added Courses / Hackathons /GATE -(3 Sample Records) : Students are advised to take Value Added Courses to score additional credits upon completion of these courses. And also advised the students to participate in hackathons to foster creativity, problem-solving skills, teamwork, and entrepreneurship among students. This provides them with a platform to apply their knowledge and skills to develop innovative solutions.
4. Paper Presentations / Publications with financial support by the college to publish papers - (12 Sample Records): Advanced learners are encouraged to engage in research and innovation work. They are provided with references to journals and advanced study material and seed money for student research. Faculty mentors are assigned to enterprising students who guide them in writing and publishing research papers/provide guidance for innovation/entrepreneurship.

Specialized academic clubs like technical associations are set up by all UG Departments that offer a platform for students to explore beyond classroom learning and participate in projects.



Students/Parents shall know the performance from the online portal login at <http://43.225.26.108/ecap/Default.aspx>. Slow earners can use Impartus LMS platform to listen the class recording repeatedly for better understanding

File Description	Document
Upload Any additional information	<a href="#">View Document</a>
Provide link for additional information	<a href="#">View Document</a>

### 2.2.2

**Student - Full time teacher ratio (Data for the latest completed academic year)**

**Response:** 16.36

File Description	Document
List showing the number of students in each of the programs for the latest completed academic year across all semesters	<a href="#">View Document</a>
Certified list of full time teachers along with the departmental affiliation in the latest completed academic year.	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 2.3 Teaching- Learning Process

### 2.3.1

**Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experience and teachers use ICT- enabled tools including online resources for effective teaching and learning process**

**Response:**

The quality teaching-learning process is one of the major objectives and strengths of our Institute. Students are provided with combination of traditional and innovative methods to make learning student-centric. Our Institute provides a very good platform for students to improve latest skills, knowledge and attitude to shape their behavior them into multi-faceted. Various programs are organized by all departments which motivate creative ability and provide a platform to encourage Experiential learning, Problem-solving skills and Participative learning.

**Experiential learning** highlights active participation and hands-on experience and includes practical

applications ,real-time examples. This method improves understanding, and skills development, making learning more effective. Few methods implemented are Workshops, Seminars, Virtual Lab, Simulation, Role play

**Participative learning** encourages students to share ideas, interact and collaborate for developing projects. It motivates students to take up group activities. This method nurtures a supportive learning environment, promotes critical thinking and helps develop communication skills. Few methods implemented are Video, Demonstration, Activity-based learning, Think-Pair-Share, Flipped Classroom, GD/debate, MOOCs, Google Classroom, PPT, Kahoot,

**Problem solving:**

Problem solving is the process of defining a problem, identifying its root cause, prioritizing and selecting potential solutions, and implementing the chosen solution.

It is a thought process to find solutions to problems and hurdles. It involves recognizing the problem, analyzing its root cause, exploring probable solutions and implementing the most appropriate one. Effective problem-solving skills are essential in various aspects of life. With critical thinking, creativity and logical reasoning, individuals can address complex issues and take decisions to overcome difficulties. Few methods implemented are Project-based learning, Real-time case studies, Worksheets, , Proto-type model, Crosswords, Research projects, Viva, Public Speaking are used to encourage Problem solving method.

Today, it is essential for the students to learn and master the latest technologies in order to be corporate ready. As a consequence, teachers are using ICT tools to enhance and optimize the delivery of education: Projectors-LCD /OHP projectors, Desktop / Laptops-Arranged in class rooms / Computer Lab and Faculty cabins all over the campus. e-class rooms are in all major departments with modern facilities such Smart Board , systems, public address system, projectors are available Online Classes through Microsoft Teams software ,Zoom, Google Meet, Google Classroom) HackerRank (Online Coding Platform)-,edyst , conduira online platform for placement preparations/inter college competitions Support for e-resources- MOOC Platform (NPTEL, Coursera, SAP,Udemy) and Digital Library resources (DELNET, MYLOFTetc) Faculty provided with net facility to use the global resources for effective presentations. Online quiz- online quiz for students after the completion of each unit using GOOGLE Video Conferencing-Students are counselled/doubts cleared with the help of Teams /Zoom /Google meet applications. Video Lecture-Recording of video lectures is made available to students for long term learning and future referencing using Impartus platform.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Provide Link for Additional Information	<a href="#">View Document</a>

**2.3.2**

**The institution adopts effective Mentor-Mentee Schemes to address academics and student-**

## **psychological issues**

### **Response:**

In a professional institute, the academic environment differs from that of a school where students complete their 10+2 education. The primary objective of a professional institute is to equip students with specialized skills, foster their overall development, and enhance their employability. However, many students joining GNITS come from rural backgrounds with diverse socio-economic experiences, making their adjustment to the new environment challenging. In response to this situation, GNITS has introduced a Mentor Mentee Program to provide guidance and support to these students.

The Mentor Mentee Program aims to offer emotional and practical assistance, encouragement, and a conducive atmosphere for the students in the institute. Mentors play a crucial role in nurturing students and have positive impact on their academic achievements and persistence. The program allows mentees to approach their mentors for both academic and personal guidance. Its main purpose is to help students strengthen their various capabilities and foster a strong interpersonal relationship between faculty members and students.

At GNITS, the mentoring program is well-structured, with each faculty member assigned to mentor around 15-19 students. During the first year, mentors are chosen from the respective first-year departments, and as students progress to subsequent years, they are paired with mentors from their particular departments, ensuring a consistent support system throughout their course of study.

The responsibilities of a mentor are diverse and extend beyond a fixed list. While the mentioned functions are essential, mentors are encouraged to go above and beyond to ensure the well-being and success of their mentees.

### **Mentor Responsibilities:**

1. Conduct bi-monthly meetings with the group of assigned students.
2. Maintain accurate records of students' personal information, including addresses, contact numbers, and academic progress, to monitor their growth effectively.
3. Provide continuous monitoring, counseling, guidance, and motivation to students in all academic matters.
4. Initiate communication with parents/guardians when necessary, such as addressing academic irregularities, behavioral changes, interpersonal issues, or harmful activities.
5. Notify the Head of Department (HOD) and suggest appropriate administrative actions if required.
6. Maintain a comprehensive and progressive record of each student's development.
7. Provide guidance on course-specific matters, including attendance and academic performance.
8. We also offer the support of a trained psychological professional counsellor Mrs. V. Jahnavi as exclusive GNITS staff who assists students with any of their psychological issues in the exclusive facility earmarked at Room Number: Admin-Gr22..

### **Mentee Responsibilities:**

1. Regularly attend meetings with the mentor as scheduled.
2. Provide necessary personal information upon joining the mentor-mentee system.
3. Share details of attendance, continuous assessment, examination results, as well as co-curricular

and extra-curricular activities with the mentor when requested.  
4. Trust the mentor and seek advice whenever needed.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
List of Active mentors	<a href="#">View Document</a>
Provide Link for Additional Information	<a href="#">View Document</a>

### 2.3.3

#### *Preparation and adherence of Academic Calendar and Teaching plans by the institution*

**Describe the Preparation and adherence to Academic Calendar and Teaching plans by the institution.**

#### **Response:**

The academic calendar is prepared keeping in view of the diversity in learning levels of the student comprising of student centric methods. While preparing the lesson plans, The few online learning resources are included to make the student to explore the various platforms to cater to their learning levels and pace. In addition to the academics, co-curricular and extracurricular activities are also included needed for the outcome based education requirements.

Academic calendar for a semester mainly consists of 3 major phases. First one , the orientation (induction) program for first years which is about 2 weeks. The orientation program is meant for transforming / orienting the students from generic approach to professional approach with inputs from various resource persons on code of ethics and conduct , Grievance redressal mechanism , NPTEL courses , mental health and well being, exam system( internal exam and end exam along with continuous exam evaluation ), preparation towards training and placement , inputs from alumnae to understand the market requirements. The 2nd phase is conduction of classes/labs and the third phase is writing the exams such as internal exam, end semester exams, lab exams/viva voce.

For all other years of both semesters, the program starts with teaching plans submitted before the start of the semester, showing the breakup of the syllabus as per the academic calendar , usually 8 weeks of teaching before internal exam1 and 9 weeks for internal exam 2, totalling to 17 weeks of teaching in a semester, followed by the lab exams and external end exams with ( 2 weeks reserved for two internal mid exams, one week for lab external exam followed by 2 weeks of external end exam, totalling to 22 weeks for a semester with 4 to 6 weeks of break for valuation of answer scripts between even semester to odd semester. This pattern is repeated for every semester. The internal1 exam is for 5 days, one exam per day as the internal marks of 30 ( for R18 regulations ) and 40 Marks (for R22 regulations), while the end exam is for 70 or 60 marks based on regulations. There is no induction required for PG program. All the academic calendars followed on above pattern. The schedules got disturbed during covid time, but now are getting on track with consistent efforts to reduce the loss of working days during covid by reducing the semester break.

Though the rest of the schedule remains similar with 2 days in a week free meant for PG students to prepare the case studies and do research/ practical development work at advanced level than UG course. There are 5 Project Reviews ( three in phase 1 of 2nd year sem1 and two in sem2 of 2nd year ) to find out the project work is of good standard . The emphasis for PG students to inculcate the research /analytical skills to publish research papers.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Provide Link for Additional Information	<a href="#">View Document</a>

## 2.4 Teacher Profile and Quality

### 2.4.1

**Average percentage of full time teachers appointed against the number of sanctioned posts year wise during the last five years**

**Response:** 100

#### 2.4.1.1 Number of sanctioned posts year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
217	190	192	186	188

File Description	Document
Sanction letters indicating number of posts sanctioned by the competent authority (including Management sanctioned posts).	<a href="#">View Document</a>
Provide the relevant information in institutional website as part of public disclosure	<a href="#">View Document</a>
Institutional data in the prescribed format (data template merged with 2.4.3 and 2.4.4)	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 2.4.2

**Percentage of full time teachers with Ph.D./D.Sc. / D.Litt./ L.L.D during the last five years**

**Response:** 30.4

**2.4.2.1 Number of full time teachers with *Ph.D./D.Sc. / D.Litt./ L.L.D* during the last five years**

Response: 76

File Description	Document
List of faculty having Ph.D./D.Sc. / D.Litt./ L.L.D along with particulars of the degree awarding university, subject and the year of award per academic year.	<a href="#">View Document</a>
Institutional data in the prescribed format (data template merged with 3.2.3 and 3.4.2)	<a href="#">View Document</a>
Copies of Ph.D./D.Sc. / D.Litt./ L.L.D awarded by UGC recognized universities	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**2.4.3**

**Average teaching experience of full time teachers (Data to be provided only for the latest completed academic year, in number of years)**

**Response:** 15.27

**2.4.3.1 Total teaching experience of full-time teachers as of latest completed academic year**

Response: 3314

File Description	Document
Institutional data in the prescribed format (data template merged with 2.4.1 and 2.4.4)	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**2.4.4**

**Percentage of full time teachers working in the institution throughout during the last five years**

**Response:** 85.11

**2.4.4.1 Number of full time teachers worked in the institution throughout during the last five years:**

Response: 160	
File Description	Document
Institutional data in the prescribed format (data template merged with 2.4.1 and 2.4.3)	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 2.5 Evaluation Process and Reforms

<p><b>2.5.1</b></p> <p><b>Average number of days from the date of last semester-end/ year- end examination till the last date of declaration of results during the last five years</b></p> <p><b>Response: 14.6</b></p> <p><i>2.5.1.1 Number of days from the date of last semester-end/ year- end examination till the declaration of results year-wise during the last five years</i></p> <table border="1"> <thead> <tr> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> </tr> </thead> <tbody> <tr> <td>8</td> <td>2</td> <td>17</td> <td>23</td> <td>23</td> </tr> </tbody> </table>					2022-23	2021-22	2020-21	2019-20	2018-19	8	2	17	23	23
2022-23	2021-22	2020-21	2019-20	2018-19										
8	2	17	23	23										
File Description	Document													
Policy document on Declaration of results (if any)	<a href="#">View Document</a>													
Institutional data in the prescribed format (data template)	<a href="#">View Document</a>													
Exam timetable released by the Controller of Examination	<a href="#">View Document</a>													
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>													

<p><b>2.5.2</b></p> <p><b>Percentage of student complaints/grievances about evaluation against total number appeared in the examinations during the last five years</b></p> <p><b>Response: 0.8</b></p> <p><b>2.5.2.1 Number of complaints/grievances about evaluation year wise during last five years</b></p>				
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2022-23	2021-22	2020-21	2019-20	2018-19
4	24	36	38	26

### 2.5.2.2 Number of students appeared in the examination conducted by the institution year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
3550	3343	3136	2949	3012

File Description	Document
List of students who have applied for re-valuation/re-totaling program wise certified by the Controller of Examinations year-wise for the assessment period.	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 2.5.3

#### IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA)/Formative Assessment have brought in considerable improvement in Examination Management System (EMS) of the Institution

Describe the examination reforms with reference to the following within a minimum of 500 words

- Examination procedures
- Processes integrating IT
- Continuous internal assessment system

#### Response:

The GNITS has been continuously carrying out of exam reforms by the configured Self Service Portal (e-Cap) for all stakeholders (students, parents, deptal. heads and principal). This software helps in uploading student's details, online admit card generation and approval, uploading of daily attendance, internal theory and lab marks, preparation of examination forms, generation of hall tickets, declaration of results and grade card generation. Examination Results Processing Software (ERPS) will be used to process the end results, generate original grade sheets, generate original Cumulative Marks Memo (CMM) and Provisional Certificate (PC). Exam Section staff can generate Transcripts of Marks memos, Cumulative marks memo (CMM) and Provisional Certificates(PC). Results Display Server (RDS) have software to generate hall Tickets by loading nominal roll and time table data through this we display end semester



Results and students can check marks of all semesters.

As per GNITS-R-22 Regulations, the evaluation pattern is 40:60% for Continuous Internal Evaluation(CIE) and Semester End Examination (SEE) respectively. CIE is conducted after 8,16 weeks, followed by SEE. For conduction of SEE, five members panel set for each subject, minimum at a level of Assoc.Professor/ Professors, preferably from IITs/NITs/University faculty/autonomous colleges to prepare question papers. This panel will be sent to the principal to nominate the question paper setters as one, two, three etc based on institute reputation, designation and experience. Exam section will send the request to first two subject experts nominated by the principal for setting up of the question papers. The exam section will wait for fifteen days for the reply from paper setter. If, there is no response from the concerned, then move to the nominated person. Exam section will request to prepare and send two sets question papers from each question setter. A total of four sets of question papers for each subject will be received from question paper setters at least two weeks before the commencement of examinations.

One the day of examination, out of “Four” sets available only one set will be picked up in just ‘Ninety’ minutes before the commencement of the exam and exams will be conducted in smooth and fair manner. After exam is over, answer scripts will be decoded and ready for spot evaluation. Evaluation will be done by external faculty from autonomous colleges or affiliated colleges. The entire process will be completed within fifteen to twenty days of the completion of exams. As soon as spot valuation completes, the external marks data will be sent to Controller of Examinations. Examination Result Processing Software is used to process the data given in the prescribed format and final Results will be generated. Upon the approval of JNTUH, exam section will declare the results. After declaration of results, there is a provision for recounting, reevaluation and personal verification for the students. If any student applies for re-evaluation, it will be evaluated by an external faculty and awarded the marks accordingly and a Letter of Grade corresponding to the % of marks will be prepared for all the qualified students.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Provide links as Additional Information	<a href="#">View Document</a>

## 2.6 Student Performance and Learning Outcomes

### 2.6.1

**The institution has stated learning outcomes (programme and course outcome)/graduate attributes which are integrated into the assessment process and widely publicized through the website and other documents and the attainment of the same are evaluated by the institution**

#### Response:

The vision of the institution is achieved by the achievement of individual department vision which in turn are achieved by respective PEO's, PO-PSO's (Program Specific Outcomes) and CO's in order i.e., attainment of CO's leads to the attainment of PO's and PEO's etc. Being NBA accredited multiple times for the UG and PG programs, the Program Outcomes (POs) defined by NBA were followed in the

Institution which describe the general qualities that need to be possessed by any engineering graduate. The Program Specific Outcomes (PSO's) specific to that particular program are defined by the department through brainstorming sessions and discussions by various committees. In this process the involvement of all stakeholders i.e., parents, employers, academicians from outside colleges, faculty, industry representatives, alumni is ensured. The course outcomes (CO's) are prepared by the course coordinators within the department by conducting brainstorming sessions with fellow course instructors. The PO's and PSO's are displayed on department notice boards, class rooms and college website. The CO's are communicated to the students by the concerned teachers before the commencement of class work and also indicated in syllabus books supplied to the students.

Attainments of POs and PSOs are from complete curriculum subjects. The attainment of COs indicate understanding the objectives and outcomes by the students in the class .In general there will be 4 to 6 outcomes based on the content of the subject mapped to Program Outcomes. These COs follow Bloom’s Taxonomy of 6 hierarchical levels of knowledge classification. The outcome less than the threshold in any of the possible 6 COs indicate that the students have not understood these concepts well. This calls for special attention by staff in handling those topics, and cover with lot of real time examples and make it easy for students. Faculty gets the advantage of knowing the content and its effectiveness in delivering the COs, map them to the attributes. This in turn also indicates the attainment of general attributes of an engineer. This is a kind of cross checking of delivery of the content as per the standards for all kinds of students. In the last 5 years, two modifications of syllabus are done (GNITS R18 and R22) based on the above context.

Vision, Mission of departments and POs of the programs are displayed in respective department pages as mentioned in the attachment. A sample link for B.Tech(ECE) is <https://www.gnits.ac.in/vision-mission-pos>

Similarly CO, PO attainments were provided as weblinks in the attachment.

File Description	Document
Upload POs and COs for all courses (exemplars from Glossary)	<a href="#">View Document</a>
Upload any additional information	<a href="#">View Document</a>
Provide links as Additional Information	<a href="#">View Document</a>

**2.6.2**

**Pass percentage of students (excluding backlog students) (Data for the latest completed academic year)**

**Response:** 100

**2.6.2.1 Total number of final year students who passed the examination conducted by Institution during the latest completed academic year:**

Response: 710

File Description	Document
Institutional data in the prescribed format (data template)	<a href="#">View Document</a>
Certified report from the COE indicating the pass percentage of students of the final year (final semester) eligible for the degree program-wise / year wise	<a href="#">View Document</a>
Annual report of Controller of Examinations ( COE) highlighting the pass percentage of final year students	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 2.7 Student Satisfaction Survey

### 2.7.1

**Online student satisfaction survey regarding teaching learning process**

**Response: 3.85**

## Criterion 3 - Research, Innovations and Extension

### 3.1 Promotion of Research and Facilities

#### 3.1.1

**The institution's research facilities are frequently updated and there are well defined policy for promotion of research which is uploaded on the institutional website and implemented**

**Response:**

Research and Development cell is proactive at GNITS to inculcate research and innovative skills among faculty and students. It helps to ensure that research efforts are aligned with NEP 2020 to establish strong research ecosystem to foster broader objectives, promote collaboration, maintain quality and ethics, and contribute to the advancement of knowledge and the well-being of society to achieve Innovative breakthroughs by painstaking efforts of R&D.

Collaboration with different government and non government institutes eventually lead to several MoUs, interdisciplinary research, sharing of resources, and the development of innovative solutions to complex problems. At GNITS, the faculty members and students are actively involved building solutions to various problems through projects in cutting edge research areas of Artificial Intelligence and Machine Learning, Electric Vehicles, 4G/5G Communications, Virtual and Mixed Reality and Cyber security. They are facilitated to interact with industry and research communities to enhance knowledge and contribute for technology development for the benefit of society and moulding the women technocrats in STEM. GNITS has 3 Research centres recognized by JNTUH under the departments of CSE/IT/EEE/ECE/ETE.

To promote the research culture, GNITS organizes International conferences in association with recognised bodies of national importance and reputed publishers like Springer proceedings to maintain the standards. College has 76 Doctorates and 25 are recognized as supervisors from various universities like JNTUH, OU, KLEF, VIT University etc. 33 scholars who were awarded Ph.D. 52 scholars are pursuing Ph.D. under the guidance of the supervisors from the college for the academic years from 2018-19 to 2022-23. Faculty published good number of scientific and technical publications 788 and 650 in number in high impact International, National Journals and Conferences/ Book Chapters including book publications respectively.

With the encouragement from management through SEED funding, 100.84 lakhs of SEED grant facilitated faculty to be active in research and consultancy activities. The faculty and students are proactively carrying out research and 83 research projects are sanctioned under various government and non-government agencies in the last 5 years. GNITS received an amount of Rs.156.98 lakhs from various government agencies like AICTE, DST, Government of India, etc during the last 5 academic years. With the state of art infrastructure provided to faculty, collaboration with different external technical and non technical bodies and promotion of interdisciplinary activities, 42 research proposals are submitted, 41 patents are published out of which 8 are granted.

MiraiNxt, an initiative of GNITS innovation, incubation, and entrepreneurship is started in 2021 to support acceleration for start-ups and hand-holding future development in Deeptech, Fintech, Healthtech, Edtech and sustainable impact verticals.

As an outcome GNITS has been granted ATAL Incubation centre by Govt. of India in association with NITI AYOOG with a funding of 10 crores. The construction for the AIC has been started with the total of 30,000 Sq.mt. ATAL Innovation Mission (AIM) is the Government of India's endeavor to promote a culture of innovation and entrepreneurship as a platform for the promotion of world-class Innovation Hubs, Grand Challenges, Start-up businesses, and other self-employment activities.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Provide links as Additional Information	<a href="#">View Document</a>

### 3.1.2

#### The institution provides seed money to its teachers for research

**Response:** 100.82

#### 3.1.2.1 Amount of seed money provided by institution to its teachers for research year wise during last five years (INR in lakhs)

2022-23	2021-22	2020-21	2019-20	2018-19
16.01	13.61	24.26	33.24	13.7

File Description	Document
Sanction letters of seed money to the teachers is mandatory	<a href="#">View Document</a>
List of faculty who have been provided with seed money for research along with the title of the project, duration and amount year-wise	<a href="#">View Document</a>
Institutional data in the prescribed format (data template)	<a href="#">View Document</a>
Audited Income-Expenditure statement highlighting the expenditure towards seed money endorsed by the Finance Officer	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 3.1.3

**Percentage of teachers receiving national/ international fellowship/financial support by various agencies for advanced studies/ research during the last five years****Response:** 0**3.1.3.1 Number of teachers who received national/international fellowship /financial support by various agencies, for advanced studies / research; year-wise during the last five years**

<b>File Description</b>	<b>Document</b>
List of teachers who have received the awards along with nature of award, the awarding agency etc.	<a href="#">View Document</a>
Institutional data in the prescribed format (data template)	<a href="#">View Document</a>
E-copies of the award letters of the teachers	<a href="#">View Document</a>

**3.2 Resource Mobilization for Research****3.2.1**

**Total Grants research funding received by the institution and its faculties through Government and non-government sources such as industry, corporate houses, international bodies for research project, endowment research chairs during the last five years (INR in Lakhs)**

**Response:** 152

<b>File Description</b>	<b>Document</b>
List of Extramural funding received for research, Endowment Research Chairs received during the last five years along with the nature of award, the awarding agency and the amount	<a href="#">View Document</a>
Institutional data in the prescribed format (data template is merged with 3.2.2)	<a href="#">View Document</a>
Copies of the letters of award for research, endowments, Chairs sponsored by non-government sources	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**3.2.2**

**Number of research projects per teacher funded by government, non-government , industry, corporate houses, international bodies during the last five years**

**Response:** 0.17

**3.2.2.1 Number of research projects funded by government and non-government agencies during the last five years.**

Response: 42

<b>File Description</b>	<b>Document</b>
List of project titles with details of Principal Investigator, amount sanctioned and sanctioning agency etc	<a href="#">View Document</a>
Institutional data in the prescribed format (data template merged with 3.2.1)	<a href="#">View Document</a>
Copies of the grant award letters for research projects sponsored by government agencies	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**3.2.3**

**Percentage of teachers recognised as research guides as in the latest completed academic year**

**Response:** 8.76

**3.2.3.1 Number of teachers recognised as research guides as in the latest completed academic year:**

Response: 19

<b>File Description</b>	<b>Document</b>
Upload copies of the letter of the university recognizing faculty as research guides	<a href="#">View Document</a>
Institutional data in the prescribed format (data template merged with 2.4.2 and 3.4.2)	<a href="#">View Document</a>

### **3.3 Innovation Ecosystem**

**3.3.1**

**Institution has created an ecosystem for innovations, Indian Knowledge System (IKS), including awareness about IPR, establishment of IPR cell, Incubation centre and other initiatives for the creation and transfer of knowledge/technology and the outcomes of the same are evident**

**Response:**

GNITS has established Innovation cell, Entrepreneurship Development Cell (EDC) that are actively functioning in GNITS since 2007. In 2020, Innovation and Incubation centre was established merging ICell, EDC and IPR cell to with complete ecosystem for mentoring students towards entrepreneurship as career path.

### **Innovation Cell**

The main aim of ICell is, to create intuition in terms of creative design ideas in various fields of engineering in an aesthetic approach that helps societal well-being. This cell helps to nurture the students' ideas and support them build prototypes and result in market viable product. Design Thinking course is included in the curriculum to enable students to understand the problem solving in a structured approach. The collaboration with other partners in the ecosystem enabled the ICell to organise various events that enabled the students innovators to pitch the ideas in national and international platforms like SIH, Eco championship Hackathon TS pollution control board, Hackwithinfy, Space Apps Challenge, Google Solution Challenge Hackathon etc.,. Majority of students innovations were awarded with cash prizes worth of 2,00,000 by Industry, Student chapters and Government bodies.

### **Intellectual properties Rights**

A good ecosystem exists to protect IPR of faculty and students through the financial support from the college. A course on Intellectual Property Rights in the curriculum as an Open Elective facilitating the students with the awareness towards protecting the intellectual property. The number of patents published gradually increased year after year through continuous sessions organized with experts from IP attorney and over a period of four years nearly 42 patents are published with 8 patents as grand status. An MOU is signed between GNITS and LCGC Resolute Appliance LLP for patent professional services which will enable more number of patents to be published in the coming years.

### **Entrepreneurship Development Cell**

The ED Cell in association with different organizations/government and non-government agencies, conducts orientation programs, workshops, panel discussions by inviting entrepreneurs from various fields to encourage and nurture students and promote entrepreneurship culture. A course on Entrepreneurship is introduced in the curriculum and industrial visits to ALEAP a non-profit Organisation which gets Women Entrepreneurs on a common platform. A total of 2075 students participated in 20+ events under ED Cell that helped the students to work, evaluate, build a prototype, pitch their idea, and get funding from government and private companies. These efforts resulted in 20+ startups by our alumni and 2 student startups were registered till date.

To support the Innovation and Incubation activities the college has approved and allocated 30,000 Sq. ft. area and supported by MIRAINXT an accelerator section 8 company for investing startups. A dedicated space of 10,000 Sqft is allocated for setting up AIC-GNITS Foundation, a section 8 company with 10 crore grant in aid under ATAL Innovation Mission (AIM) – NITIAYOG scheme DST to support women led startups in Deeptech, ICT and sustainability.



File Description	Document
Upload any additional information	<a href="#">View Document</a>
Link for Any other additional information	<a href="#">View Document</a>

### 3.4 Research Publications and Awards

#### 3.4.1

**The Institution ensures implementation of its stated Code of Ethics for research.**

**The institution has a stated Code of Ethics for research and the implementation of which is ensured through the following:**

- 1. Inclusion of research ethics in the research methodology course work**
- 2. Presence of institutional Ethics committee (Animal, Chemical, Bio-ethics etc.)**
- 3. Plagiarism check through software**
- 4. Research Advisory Committee**

**Response:** B. Any 3 of the above

File Description	Document
Institutional data in the prescribed format (data template)	<a href="#">View Document</a>
Copy of the syllabus of the research methodology course work to indicate if research ethics is included	<a href="#">View Document</a>
Constitution of the ethics committee and its proceedings as approved by the appropriate body	<a href="#">View Document</a>
Constitution of research advisory committee and its proceedings as approved by the appropriate body.	<a href="#">View Document</a>
Bills of purchase of licensed plagiarism check software in the name of the HEI	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

#### 3.4.2

**Number of candidates registered for Ph.D per teacher during the last five years**

**Response:** 3.4

**3.4.2.1 Number of candidates registered for Ph.D during the last 5 years:**

Response: 85	
<b>File Description</b>	<b>Document</b>
Ph.D. registration letters/Joining reports of candidates.	<a href="#">View Document</a>
Letter from the university indicating name of the Ph.D. student with title of the doctoral study and the name of the guide.	<a href="#">View Document</a>
Institutional data in the prescribed format (data template merged with 2.4.2 and 3.2.3)	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

<b>3.4.3</b>	
<b>Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years</b>	
Response: 3.29	
<b>3.4.3.1 Number of research papers in the Journals notified on UGC CARE list year wise during the last five years</b>	
Response: 823	
<b>File Description</b>	<b>Document</b>
Institutional data in the prescribed format (data template)	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>
Link to the uploaded papers, the first page/full paper (with author and affiliation details) on the institutional website	<a href="#">View Document</a>
Links to the paper published in journals listed in UGC CARE list	<a href="#">View Document</a>
Link re-directing to journal source-cite website in case of digital journals	<a href="#">View Document</a>

<b>3.4.4</b>
<b>Number of books and chapters in edited volumes published per teacher during the last five years</b>

**Response:** 2.64

#### 3.4.4.1 Total Number of books and chapters in edited volumes published during the last five years

Response: 659

File Description	Document
List of chapter/book along with the links redirecting to the source website	<a href="#">View Document</a>
Institutional data in the prescribed format (data template)	<a href="#">View Document</a>
Copy of the Cover page, content page and first page of the publication indicating ISBN number and year of publication for books/chapters	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

#### 3.4.5

##### **Bibliometrics of the publications during the last five years based on average Citation index in Scopus/ Web of Science**

**Response:** 3.2

File Description	Document
Bibliometrics of the publications during the last five years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

#### 3.4.6

##### ***Bibliometrics of the publications during the last five years based on Scopus/ Web of Science – h-index of the Institution***

**Response:** 11.5

File Description	Document
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	<a href="#">View Document</a>

### 3.5 Consultancy

#### 3.5.1

**Revenue generated from consultancy and corporate training during the last five years****Response:** 18.5**3.5.1.1 Total Amount generated from consultancy and corporate training year wise during last five years (INR in lakhs)**

2022-23	2021-22	2020-21	2019-20	2018-19
0	4.45	1.25	12.8	0

<b>File Description</b>	<b>Document</b>
Letter from the beneficiary of the consultancy along with details of the consultancy fee	<a href="#">View Document</a>
Institutional data in the prescribed format (data template)	<a href="#">View Document</a>
CA certified copy of statement of accounts as attested by head of the institution	<a href="#">View Document</a>
Audited statements of accounts indicating the revenue generated through corporate training/consultancy.	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**3.6 Extension Activities****3.6.1**

**Outcomes of extension activities in the neighbourhood community in terms of impact and sensitizing the students to social issues and holistic development, and awards received if any during the last five years (Showcase at least four case studies to the peer team)**

**Describe the impact of extension activities in sensitising students to social issues and holistic development with four case studies within a maximum of 500 words**

**Response:**

The institute attracts the outstanding student community from all the parts of the country through national-level competitive examinations and interviews. It is known that academic activities alone may not bring the true potential of the students. The students are provided with opportunities for exploring and enhancing their talents in extracurricular activities through various clubs including Literary Club, Cultural Club, NSS, Rotaract, Street Cause, Ek Bharat Shreshtha Bharat and FIT India. These clubs

encourage students to develop their self-management abilities and fundamental beliefs; all of which work together to mould them into well-rounded individuals. Students have organized many both online and offline events in the last five academic years from 2018-2019 to 2022-2023. A total of about 111 activities have conducted with the involvement of, on average, 2755 students from various departments.

The NSS wing is one of the active clubs in GNITS that conducts Blood Donation Camps, Pulse Polio Program and Haritha Haram which include maintaining the cleanliness and greenery of the college as well as the society. It also conducts an awareness program on *Narcotics Drugs with Adverse Effects*. These initiatives support the growth of students while reinforcing their dedication to contributing to society and the environment as responsible citizens.

The Rotaract Club of GNITS took up the opportunity to participate in multiple service activities. The team enthusiastically distributed groceries, clothes, masks, dustbins and sanitizers. The cub also took part in the programme *Planting a Sapling*. The club conducted a fund-raising event in the college and the money raised has donated to support the welfare of children in various orphanages. Rotaract Club donated sewing machines, bicycles, and school benches to those in need, as well as participated in the clothing drive named *Klederspende*.

Street Cause Club helped in the construction of a mini water tank through which the people can confront the problem of water scarcity especially during emergencies. The Street Cause GNITS representatives have given away masks to the poor as part of the *Mask Donation Drive*. Walking sticks were distributed to the elderly in the villages to assist them in overcoming the difficulty of walking due to their postural disorders. The club conducted *Donation Drive Distribution* of groceries and stationery. It also conducted awareness camps. The club conducted a medical camp in Nidmanoor village of Nalgonda district incorporating five doctors.

ABHAYA, is the women safety club in the institution creating a safe environment for women. This club was established in collaboration with TS Police. It conducts several events, seminars and self-defense training for women such as self-defense workshop, Cyber Security and Outreach Activities on women's safety.

Ek Bharat Shreshtha Bharat and FIT India Clubs of GNITS actively conducted 2K freedom run at GNITS, Sankranti Celebrations-Kite Festival, Rangoli Competition and Pongal Preparation.

The institution is deeply committed to nurturing responsible and socially aware individuals who actively engage in extension activities to contribute to the betterment of society and uphold the vision and mission of the institution.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Provide the link for additional information	<a href="#">View Document</a>

### 3.6.2

**Number of extension and outreach programs conducted by the institution through organized forums including NSS/NCC with involvement of community year wise during the last five years**

**Response: 56**

**3.6.2.1 Number of extension and outreach programs conducted by the institution through organized forums including NSS/NCC with involvement of community year wise during the last five years.**

2022-23	2021-22	2020-21	2019-20	2018-19
10	8	12	14	12

File Description	Document
Institutional data in the prescribed format (data template)	<a href="#">View Document</a>
Detailed report for each extension and outreach program to be made available, with specific mention of number of students participated and the details of the collaborating agency	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 3.7 Collaboration

#### 3.7.1

**Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years**

**Response: 151**

<b>File Description</b>	<b>Document</b>
Summary of the functional MoUs/linkage/collaboration indicating start date, end date, nature of collaboration etc	<a href="#">View Document</a>
List of year wise activities and exchange should be provided	<a href="#">View Document</a>
List and Copies of documents indicating the functional MoUs/linkage/collaborations activity-wise and year-wise	<a href="#">View Document</a>
Institutional data in the prescribed format (data template)	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## Criterion 4 - Infrastructure and Learning Resources

### 4.1 Physical Facilities

#### 4.1.1

**The Institution has adequate infrastructure and other facilities for**

- 1. teaching – learning, viz., classrooms, laboratories, computing equipment etc**
- 2. ICT – enabled facilities such as smart class, LMS etc.**
- 3. Facilities for Cultural and sports activities, yoga centre, games (indoor and outdoor), Gymnasium, auditorium etc.**

#### **Response:**

G. Narayanamma Institute of Tech. & Sc. (for women) in Hyderabad is a modern and well-equipped educational institution situated centrally in the city. Spanning over 12.5 acres of eco-friendly landscape, it boasts an instructional area of 16,666 square meters and a built-up area of 44,181 square meters. Here's a concise overview of its facilities and offerings. The college's central location in Hyderabad provides convenient access to public transport from all corners of the city. The campus is aesthetically appealing and eco-friendly, emphasizing sustainability.

**Classrooms:** The institution offers well-furnished classrooms with a capacity of 70-75 students each. These classrooms are equipped with essential amenities such as furniture, projectors, blackboards, fans, and power backup. Moreover, they are equipped with ICT facilities, including Wi-Fi and smart classroom technology.

**Technology-Enabled Learning Rooms:** Smart classrooms are available for activities like hackathons and webinars. These rooms are equipped with LCD projectors, interactive boards, Wi-Fi, and audio & video facilities, accommodating up to 80 students.

**Seminar Halls:** The college houses spacious seminar halls, including a Main Seminar Hall in the Administrative Block with a seating capacity of 320. Additionally, there are departmental seminar halls in various departments, along with halls in the Library Block.

**Laboratories:** Well-equipped laboratories provide practical knowledge to learners. They undergo regular maintenance, including system maintenance, software updates, and safety measures. Notably, the institution has established Centers of Excellence (COEs) in collaboration with industry partners to enhance skill development in advanced technologies.

**Computing Equipment:** A Central Computing Centre with 40 desktop systems is operational during working hours, including Sundays.

**Sports & Games:** The college promotes extracurricular activities and offers both indoor and outdoor sports facilities. Inter-college sports events, like VERVE, are organized to foster sportsmanship. Indoor sports, including table tennis, chess, and carroms, are available, as well as an indoor badminton stadium.



Outdoor sports facilities include basketball courts, volleyball courts, throwball courts, handball courts, a running track, and more.

**Gymnasium:**The fitness wing includes an 8-station gym with various exercise equipment, both indoors and outdoors, with 17 gym equipment items located in the playground and college hostel premises.

**Yoga:** The college provides facilities for yoga practice, including a seminar hall and an open lawn. An audit course titled 'Stress Management by Yoga' is offered to M. Tech students, and International Yoga Day is celebrated annually with significant participation.

**Extracurricular Activities:** The institution encourages holistic development through various clubs and activities, including the Samskruthi Cultural Club, Literaria Clava, NSS, Google Developer Student Club, Aarambh, Lead India 2020, Student Edition Newspaper, and TED X GNITS.

**Transport:** The college offers transport facilities to students and staff. Additionally, public transportation is readily available due to its central location. In case of medical emergencies, a standby vehicle is available 24/7 for transportation to nearby hospitals.

**Medical Services:** The campus features a healthcare center with a qualified medical doctor visiting twice a week. The college has also established tie-ups with nearby hospitals to provide medical assistance when needed.

**Canteen:** The on-campus canteen offers hygienically prepared, subsidized meals with ample seating capacity.

File Description	Document
Upload any additional information	<a href="#">View Document</a>

#### 4.1.2

**Percentage of expenditure excluding salary, for infrastructure development and augmentation year wise during the last five years**

**Response:** 52.57

**4.1.2.1 Expenditure for infrastructure development and augmentation, excluding salary year wise during last five years (INR in lakhs)**

2022-23	2021-22	2020-21	2019-20	2018-19
1013.65936	423.48767	389.49123	482.03591	395.21084

File Description	Document
Institutional data in the prescribed format (data template is merged with 4.2.2 and 4.4.1)	<a href="#">View Document</a>
Audited income and expenditure statement of the institution to be signed by CA and counter signed by the competent authority (relevant expenditure claimed for infrastructure augmentation should be clearly highlighted)	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 4.2 Library as a Learning Resource

### 4.2.1

**Library is automated with digital facilities using Integrated Library Management System (ILMS), adequate subscriptions to e-resources and journals are made. The library is optimally used by the faculty and students**

#### Response:

G. Narayanamma Institute of Technology & Science for Women library is truly a learning center built with 15044 Sq.ft of carpet area spreading over two floors (ground and first floors) to accommodate more than 250 students at a time. The library stocks textbooks, reference books, journals audio video lectures and projects reports. The Library subscribes to more than **134** national and international journals and has very large collection of reference books on advanced disciplines that are aimed at developing students beyond their normal curriculum. In all, the Central library has then **44,800** volumes and around **9,300** titles covering various advanced disciplines pertaining to all the branches of engineering courses.

**Library is fully automated using the following Integrated Library Management System:**

Name of the ILMS software: *Engineering College Automation Package (ECAP)*

Nature of automation (fully or partially) : *Fully*

Up-gradation Version : 5.0

Year of Up-gradation Version : 2018 to Till the Date

**The automation of library activities provides the following facilities to library staff.**

- Entry/Upload of Books/Journals/Magazines.
- Book Issues/Returns/Renewals.
- Journal/Magazine Subscriptions & Renewals.
- Titles/Authors/Publishers Database.
- Backup & Restore of Library Data.
- Stock Verification Reports.
- Online Public Access Catalogue (OPAC)

**GNITS Library Facilities & Services**

1. Separate Reading Hall with seating capacity of 250
2. Digital library and Internet & Wi-Fi Facility
3. Departmental Library
4. Open Access to all
5. Reprography facility
6. Library WEB OPAC
7. Book bank facility for needy and SC/ST students
8. New arrivals of learning materials are display in the reading hall
9. Library orientation programs
10. Book Exhibitions
11. Collection of general reading books
12. Collection of competitive exam related books
13. Plagiarism Checking Service
14. Previous Question Papers
15. Articles Request Services.
16. Library wiki Page <http://gnitslibrary.pbworks.com/>

## **Library Advisory Committee**

Committee Coordinator the Sr. faculty, students are members and Librarian as convener for the LAC Committee

### **e-Resources:**

Digital library is well equipped with 30 multimedia systems and uninterrupted power backup to access e-journals, e-books and international standards and A.V lectures through databases like

1. **IEEE Xplore Digital Library**
2. **DELNET**
3. **J-GATE** /
4. **NDL**
5. **SWAYAM-NPTEL**
6. **AICTE-e-KUMBH**
8. **VIDWAN DATABASE**
9. **IRINS**
10. **Knimbus Remote Access** <https://gnits.knimbus.com/user#/home>

### **Library Users:**

Working Days: 9.00 am to 07.00 pm (Monday-Saturday)

Sundays & Holiday between 10.00 am to 4.00 pm.

For every class there is an hour dedicated to library in the class timetable.

User data and 5 days' footfall for the period of March 22nd 2022, to March 26th 2022 is Over had a total of 3900 visitors.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Provide the link for additional information	<a href="#">View Document</a>

**4.2.2**

**Percentage of expenditure for purchase of books/ e-books and subscription to journals/e-journals year wise during the last five years**

**Response:** 1.78

**4.2.2.1 Expenditure for purchase of books / e-books and subscription to journals/e-journals year wise during last five years (INR in lakhs)**

2022-23	2021-22	2020-21	2019-20	2018-19
15.8	22.52	9.18	25.6	18.57

File Description	Document
Institutional data in the prescribed format (data template merged with 4.1.2 and 4.4.1)	<a href="#">View Document</a>
Audited income and expenditure statement of the institution to be signed by CA and counter signed by the competent authority (relevant expenditure claimed for purchase of books/ e-books and subscription to journals/e-journals should be clearly highlighted)	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**4.3 IT Infrastructure****4.3.1**

**Institution frequently updates its IT facilities and provides sufficient bandwidth for internet connection**

**Describe IT facilities including Wi-Fi with date and nature of updation, available internet bandwidth within a maximum of 500 words**

**Response:**

1. GNITS is a WiFi enabled campus. Over the years it was upgraded to 200 Mbps and then to 500 Mbps in April 2021 and further updated to 1000 Mbps in April 2023.
2. There are a total of 115 WiFi access ports in the campus currently.
3. HP, IBM and HCL Servers are installed in computer labs, examination branch etc.
4. Port Switches have been installed and replaced when necessary
5. Institute is providing around 1485 systems to students for academic purpose in the college.
6. The campus has 16 computer centers optimally networked to cater to the academic requirements of the students of all branches. The student to computer ratio is 2.4:1.
7. There are UPSs in computer labs and few staff rooms.
8. The systems were upgraded with DDRIII and DDRIV 4GB RAMS in 2019 and 2021 in computer labs.
9. All the systems are configured with windows equipped with essential softwares and firewalls for cyber security.
10. GNITS procured licenses for operating systems: Windows and LINUX, softwares like Adobe, MS-Office, Oracle, Turbo C++, Netism V-12, MATLAB, Multisim, Xlinux, Mentor Graphics, HFSS, Keil -C51, Active HDL etc.
11. The institute has been procuring latest licenses of MATLAB every year. Currently MATLAB 2021B is in use campus wide.
12. Open source softwares like Arduino, TASM, Keil-ARM, Flash Magic, Graphical Network Simulator etc. are in use in the labs.
13. The library offers online subscriptions for IEEE, j-gate, Scopus & Databases DELNET & NDL etc. All the transactions (issue & return) are computerized. OPAC facility offers status of library resources.
14. Four Biometric devices are installed for registering attendance of teaching and non-teaching staff. There are four biometric devices for registering attendance for JNTU
15. There are various reprographic facilities around the college.
16. There are 92 Projectors around the campus in classrooms and seminar halls.
17. With the technological advances in smart learning, GNITS also purchased interactive boards in 2018, 2019 and 2022. Five Ingress Interactive Boards CS-85 along with Five Hitachi CPAX 3005 Projectors and Five Hyundai 65" Interactive flat panel displays and Seven Hyundai 65" Interactive flat panel displays are installed in the various departments to assist in smart learning.
18. Impartus Lecture Capture Solution is installed in 10 classrooms at GNITS to record daily lectures in the class rooms.
19. There are 29 CCTV cameras around the college campus and 6 CCTV cameras around college hostels for security.

\*\* Additional documentation is provided as separate file with invoices of above-mentioned infrastructure

S.No.	Facility	2022-23	2021-22	2020-21	2019-20	2018-19	Previously	Total
1	Wifi Access Ports	23	-	60	-	1	31	115
2	UPSs/Batteries	-	1	3	97	104	18	223

3	<b>Projectors</b>	12	-	10	13	14	43	92
4	<b>Printers</b>	6	-	9	5	4	4	68
5	<b>Smart Boards</b>	7	5	-	-	5	-	17

Link: <https://www.gnits.ac.in/it-facilities-upgrade/>

<b>File Description</b>	<b>Document</b>
Upload any additional information	<a href="#">View Document</a>
Provide the link for additional information	<a href="#">View Document</a>

#### 4.3.2

##### **Student - Computer ratio (Data for the latest completed academic year)**

**Response:** 2.34

##### **4.3.2.1 Number of computers available for students' usage during the latest completed academic year:**

Response: 1519

<b>File Description</b>	<b>Document</b>
Purchased Bills/Copies highlighting the number of computers purchased	<a href="#">View Document</a>
Extracts stock register/ highlighting the computers issued to respective departments for student's usage.	<a href="#">View Document</a>

#### 4.3.3

##### **Institution has dedicated audio visual centre, mixing equipment, editing facility, media studio, lecture capturing system(LCS) and related hardware and software for e-content development**

**Response:**

##### **AUDIO VISUAL CENTRE AT GNITS**

GNITS has established an exclusive audio visual centre with a studio for recording online lectures in the year 2020. The centre has a range of audio and video equipment to record lectures. The studio is prepared

with good sound proofing and lighting. The audio visual centre incorporates modern technology by using Maxhub Interactive Panel for display is used for enhancing the learning experience with impressive 86” display, 20 points touch and 10 points writing. A Panasonic AGUX90 HD Video Camera with 60FPS is used to capture the recording. The details of equipment is listed below:

### Equipment in Audio Visual Room

Item	Make	Specifications	Qty
Digital Board	MAXHUB	INTERACTIVE PANEL MODEL: E86FA	1
Video Camera	Panasonic	AGU X 90 UHD 4K: 29.97/23.98	1
Tri-Pod	E-Image	5 Ft	1
Focus Lights	ROHS	500W	2
Lights	Godox SL	150W	2
Camera Charger	Panasonic		1
Batteries	Panasonic	5900 mAH	2
Mic	Panasonic	6.5mm DL 2 Rating	1

### SOFTWARE TOOLS USED:

**Adobe Illustrator:** A graphic design application. It is used to create vector graphics. Vector images and graphics are made of points, lines, shapes, and curves based on mathematical formulas rather than a set amount of pixels, and therefore can be scaled up or down while maintaining image quality

**Adobe Premiere Pro:** A video editing software to handle footage for web, TV, and feature productions. It helps to trim, edit, apply transitions and effects, adjust color, and add titles and graphics.

**bunney.net Platform:** The Global CDN (content delivery network) Platform that truly Speeds up content with their next-generation CDN, Edge Storage and Optimization Services. bunney.net makes lightning fast performance at any scale.

### LECTURE CAPTURING SYSTEM (LCS) AT GNITS

Impartus Innovations Pvt. Ltd. offers the Lecture Capturing System (LCS) in campus. The Lecture Capturing System (LCS) is installed to record the lectures live during the student lecture hours. These recordings are uploaded in impartus after being edited for removing any noise. GNITS allocated a staff to give out the impartus ids to students and faculty every year. The impartus accounts are used by the faculty to access the recordings and edit them further. The impartus accounts are used by the students to access the recordings for revision of lecture, learning the lecture in case of absence.

**Lecture Capturing System (LCS) is used in the following 10 classrooms in GNITS**



Lecture Hall	Room No.	Block
LH 11	A-308	Admin Block
LH 7	C-402	CSE
LH 8	C-407	CSE
LH 4	D-201	ECE
LH 7	D-403	ECE
LH 2	B-201	EEE
LH 4	B-301	EEE
F 11	F-401	F-Block (ETE)
F 3	F-201	F-Block (IT)
F 7	F-211	F-Block (IT)

**Link:** <https://www.gnits.ac.in/facilities-for-e-content/>

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Provide the link for additional information	<a href="#">View Document</a>

## 4.4 Maintenance of Campus Infrastructure

### 4.4.1

**Percentage expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, during the last five years**

**Response:** 38.1

**4.4.1.1 Expenditure incurred on maintenance of physical facilities and academic support facilities of DDE and total expenditure excluding salary, year - wise, over the last five years (INR in lakhs)**

2022-23	2021-22	2020-21	2019-20	2018-19
636.68132	377.34110	248.66981	366.13538	330.59806

File Description	Document
Institutional data in the prescribed format (data template merged with 4.1.2 and 4.2.2)	<a href="#">View Document</a>
Audited income and expenditure statement of the institution to be signed by CA and counter signed by the competent authority (relevant expenditure claimed for maintenance of physical facilities and academic support facilities should be clearly highlighted)	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

#### 4.4.2

**There are established systems and procedures for maintaining and utilizing physical and academic support facilities – laboratory, library, sports complex, computers, classrooms etc.**

**Describe policy details of systems and procedures for maintaining and utilizing physical, academic and support facilities within a maximum of 500 words**

**Response:**

**Maintenance Policy:**

The College has well established procedure of maintaining and utilizing academic and support facilities is organised by standard features like buildings, classrooms and playgrounds, and advanced attributes like ICT-enabled classrooms and laboratory facilities.

**Physical Facilities:**

**Electrical Maintenance:**

The institution has backup power (generator, UPS, and batteries) to ensure continuous electricity. Maintenance contracts for major breakdowns, record regular inspections, quotes for replacement parts, service provider's work will be validated by authorities, and the Principal receives a report on the job's completion.

**Furniture Maintenance:**

The Mechanical Engineering Department provides in-house services for custom fabrication and repairs of all furniture's in the campus. Quotations are invited from the Vendors and orders are placed for items required for departments and hostels after approval from the Principal.

**Network / Wi-Fi Maintenance:**

The IT Department's network administrator and hardware technicians oversee the college's intranet and internet. The Internet Centre equipped with systems and a leased line, maintained by the IT Department. Telephone and intercom services are outsourced to SAITEL systems.

### **Computers:**

The campus has Wi-Fi used to access the internet. Students utilize net centres and computers in the library for their career prospects. Hardware installations and software updates are done regularly. Network administrators monitor and maintain the Wi-Fi and internet facilities, ensuring the latest computer systems are available in each Department computing Laboratories.

### **Academic Facilities:**

#### **Library:**

The college library has been integral since its inception, boasting an impressive collection of various volumes and titles. It offers access to journals in print and online, including databases like IEEE, j-gate, Scopus, DELNET, and NDL. These resources cater to students and staff, providing technical and general knowledge. Electronic copies of past exam papers and final year project work are preserved to aid students.

#### **Classrooms and Seminar halls:**

The maintenance will be monitored by the Floor In-charges to inspect the class rooms before the instigation of each semester. Electrical Maintenance. are done by the Civil Department. Network Administrators thoroughly check system connection facilities in the classrooms.

#### **Laboratory and Workshop Facilities:**

Laboratories, R&D and Incubations centres are facilitated in each department for carrying out all the experiments as per the curriculum. The Purchase of the equipments are recorded in the Stock registers. Installation, Testing & Calibration of the equipment are ensured with performance to check the accuracy.

#### **Sports:**

The Department has a spacious room for indoor games like table tennis, chess, and caroms. Fitness wing is established with latest Equipment's. Outdoor games & Running track are existed in the institute from inception.

#### **Other Facilities:**

- Purified RO Drinking water & Emergency Transportation facilities are available in the campus area and Hostels.
- The college has Juice Centre, Canteen facility where subsidized and vegetarian food is available.
- State Bank of India ATM located inside the campus to facilitate financial transactions.

- Firefighting equipments are installed in each department for the safety.

<b>File Description</b>	<b>Document</b>
Upload any additional information	<a href="#">View Document</a>

## Criterion 5 - Student Support and Progression

### 5.1 Student Support

#### 5.1.1

**Percentage of students benefited by scholarships and freeships provided by the institution, government and non-government bodies, industries, individuals, philanthropists during the last five years**

**Response:** 76.17

**5.1.1.1 Number of students benefited by scholarships and freeships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists year wise during last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
2487	3116	2876	1851	1849

#### File Description

#### Document

Year-wise list of beneficiary students in each scheme duly signed by the competent authority.

[View Document](#)

Upload Sanction letter of scholarship and free ships (along with English translated version if it is in regional language).

[View Document](#)

Upload policy document of the HEI for award of scholarship and freeships.

[View Document](#)

Institutional data in the prescribed format (data template)

[View Document](#)

#### 5.1.2

**Efforts taken by the institution to provide career counselling including e-counselling and guidance for competitive examinations during the last five years**

**Response:**

G. Narayanamma Institute of Technology and Science has a dedicated Career Guidance Cell to provide awareness and guidance to students to assess their interests, skills, and goals. Also offer guidance on suitable career paths and the educational requirements for those paths. Career counselling help students gain clarity on career objectives and understand the career options available. Provides valuable insights into various career fields, industries, job roles, and qualifications required for different career paths

Career guidance cell organizes seminars on overseas education, career pathways, and job opportunities after graduation by industry professionals to expose students to different career options like abroad education, banking sector jobs and provide insights in various streams. The career guidance cell provides in-house training from external sources on various competitive examinations such as GRE, TOEFL, and IELTS. The college provides advice and training to students who want to pursue civil services, MBA after their engineering.

Provide personal career advice to students based on the requirements of the ever-changing market, by providing information to the students about external courses such as NPTEL which can help them in the search for better jobs in the future. Conduct sessions for the students which can help them choose the ideal country and the ideal program based on the market requirements and their interests. Encourage student to attend career fairs, where student can interact with representatives from various industries and agencies.

Collaborate with external coaching centres to provide specialized coaching for competitive exams, subsidize the cost of coaching or offer scholarships to deserving students. Study material and reference books are kept available in the library so that students can access. Sessions by experienced professionals or alumni guide students in their career choices and as exam preparation can be stressful counselling help students cope with exam-related stress and anxiety. The goal is to empower students with the knowledge and support they need to make informed career choices and excel in competitive examinations.

GNITS, Career guidance cell help grooming a student, as they may be overwhelmed by the numerous options available, explore their interests, values, skills and understand the relationship between their education and career goals. Discuss about strategies for achieving their goals, navigate the job market, manage career transitions, and overcome obstacles to career success. Provide support and encouragement when individuals are facing difficult challenges in their careers and help them to develop the resilience needed to build a satisfying and successful career.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Provide the link for additional information	<a href="#">View Document</a>

### 5.1.3

**Following capacity development and skills enhancement activities are organised for improving students' capability**

- 1.Soft skills**
- 2.Language and communication skills**
- 3.Life skills (Yoga, physical fitness, health and hygiene, self-employment and entrepreneurial skills)**
- 4.Awareness of trends in technology**

**Response:** C. Any 2 of the above

<b>File Description</b>	<b>Document</b>
Report with photographs on programmes conducted for awareness of trends in technology	<a href="#">View Document</a>
Report with photographs on programmes/activities conducted to enhance soft skills, Language & communication skills, and Life skills (Yoga, physical fitness, health and hygiene, self-employment and entrepreneurial skills)	<a href="#">View Document</a>
Institutional data in the prescribed format (data template)	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

#### 5.1.4

**The institution adopts the following for redressal of student grievances including sexual harassment and ragging cases**

- 1.Implementation of guidelines of statutory/regulatory bodies**
- 2.Organisation wide awareness and undertakings on policies with zero tolerance**
- 3.Mechanisms for submission of online/offline students' grievances**
- 4.Timely redressal of the grievances through appropriate committees**

**Response:** C. Any 2 of the above

<b>File Description</b>	<b>Document</b>
Proof w.r.t Organisation wide awareness and undertakings on policies with zero tolerance	<a href="#">View Document</a>
Proof related to Mechanisms for submission of online/offline students' grievances	<a href="#">View Document</a>
Proof for Implementation of guidelines of statutory/regulatory bodies	<a href="#">View Document</a>
Details of statutory/regulatory Committees (to be notified in institutional website also)	<a href="#">View Document</a>
Annual report of the committee monitoring the activities and number of grievances	<a href="#">View Document</a>

## 5.2 Student Progression

### 5.2.1

**Percentage of placement of outgoing students and students progressing to higher education during the last five years****Response:** 80.24**5.2.1.1 Number of outgoing students placed and progressed to higher education during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
688	637	559	548	500

**File Description****Document**

Institutional data in the prescribed format (data template)

[View Document](#)

Provide Links for any other relevant document to support the claim (if any)

[View Document](#)**5.2.2****Percentage of students qualifying in state/ national/ international level examinations out of the graduated students during the last five years**

(eg: NET/SLET/ Civil Services/State government examinations etc.)

**Response:** 17.71**5.2.2.1 Number of students qualifying in state/ national/ international level examinations (eg: NET/SLET/Civil Services/State government examinations etc.) year wise during last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
89	136	163	128	131



File Description	Document
List of students qualified year wise with details of examination and links to Qualifying Certificates of the students taking the examination	<a href="#">View Document</a>
Institutional data in the prescribed format (data template)	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 5.3 Student Participation and Activities

#### 5.3.1

**Number of awards/medals for outstanding performance in sports/cultural activities at University / state /national / international Level events during the last five years**

**Response:** 18

**5.3.1.1 Number of awards/medals for outstanding performance in sports/cultural activities at University / state / national / international level events (award for a team event should be counted as one) year wise during last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
4	5	0	4	5

File Description	Document
list and links to e-copies of award letters and certificates	<a href="#">View Document</a>
Institutional data in the prescribed format (data template)	<a href="#">View Document</a>

#### 5.3.2

**Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution.**

**Describe the Student Council activity and students' role in academic & administrative bodies within a maximum of 500 words**

**Response:**

The students have active representation in academic and administrative committees of the Institute. There are totally 39 committees, out of which 27 committees have active student participation and involvement in various activities conducted by the committees. The institute encourages students and provides opportunity to develop leadership qualities by organizing and carrying out various activities in the college under different committees.

#### **A. Student Council:**

The Institute has an active Student Council constituted with two faculty advisors and 116 active students as class representatives from all branches representing all the students of the institute. They work with a sense of responsibility in dealing with the student concerned activities. The student council raises any issues related to students in the meeting and these issues will then be categorized and forwarded to the concerned committees through Principal. The concerned committees will take care of the problems and update the status to the Principal in writing. Students' opinions and suggestions are taken into consideration to take measures with their perception.

#### **B. Technical associations:**

There are technical associations at institution level like ISTE and IEEE. Each of the committees is headed by one or more Faculty Coordinators and one or two student members selected from each class that constitutes the committee. Under these, various technical events and co-curricular activities such as paper presentations, technical quizzes, seminars, training programmes, hackathons are conducted every year and more than 50 student coordinators actively involve in organizing the events. They also motivate other students to take part in the activities conducted by the institute.

#### **C. Extra-curricular activities:**

Students have strong representation not only in academics but also in cultural, literary and sports committees and help in organization and management of events. Various student clubs like Samskruti, Literaria Clava are included in Arts and Cultural committee. Various sports competitions and fitness programmes are organized every year by student coordinators under the guidance of efficient physical directress, Dr. M.V.L. Surya Kumari, Ph.D. in physical education and a National Gold Medalist in Athletics and also a Certified Yoga and Physical Trainer.

#### **D. Hostel Committee:**

There are two to three student coordinators for each floor of every hostel building. They monitor day to day activities like food quality, hygiene and other general facilities and bring to the notice of the faculty coordinators and warden immediately if there are any issues.

#### **E. Library committee:**

The library is headed by Dr. K. Bharatha Lakshmi Devi. There are nearly 30 student coordinators of the library committee guided by faculty coordinators of different departments. They act as medium between library and students to give awareness about the books, journals etc. and any other information related to the student requirements in the library.

The formation of various committees has enabled the student body to partake in the activities of anti-ragging, transport, canteen etc. and play a very important role in most of the academic and administrative committees.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Provide the link for additional information	<a href="#">View Document</a>

### 5.3.3

**The institution conducts / organizes following activities:**

1. Sports competitions/events
2. Cultural competitions/events
3. Technical fest/Academic fest
4. Any other events through Active clubs and forums

**Response:** B. Any three of the above

File Description	Document
Report on Sports, Cultural competitions/events, Technical/academic fests, Any other events through active clubs and forums along with photographs appropriately dated and captioned (whichever is applicable)	<a href="#">View Document</a>
List of students participated in different events year wise signed by the head of the Institution	<a href="#">View Document</a>
Institutional data in the prescribed format (data template)	<a href="#">View Document</a>
Copy of circular/brochure indicating such kind of activities.	<a href="#">View Document</a>

## 5.4 Alumni Engagement

### 5.4.1

**Total Amount of alumni contribution during the last five years (INR in lakhs) to the institution through registered Alumni association:**

**Response:** 30.15

**5.4.1.1 Total Amount of alumni contribution during the last five years (INR in lakhs) to the**

**institution year wise through registered Alumni association:**

2022-23	2021-22	2020-21	2019-20	2018-19
7.1	7.6	5.32	4.98	5.15

<b>File Description</b>	<b>Document</b>
List of alumnus/alumni with the amount contributed year-wise	<a href="#">View Document</a>
Annual audited statements of accounts of the HEI highlighting the Alumni contribution duly certified by the Chartered Accountant/Finance Officer	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**5.4.2****Alumni contributes and engages significantly to the development of institution through academic and other support system**

**Describe the alumni contributions and engagements within a maximum of 500 words**

**Response:**

Alumnae Association of G. Narayanamma Institute of Technology & Science is named as “GNITS Alumnae Association” with a registered number 55/2022 under the government of Telangana, consists of all the Alumnae of GNITS and an Executive Committee consists of seven members constituted once in three years as follows President, Vice-President, General Secretary, Joint Secretary, Treasurer and Two executive members to engage, execute and enhance various activities like Mock interviews, Student-Alumnae interactions, Monetary support for meritorious and financially backward students etc.,

GNITS Alumnae Annual Meet named as TU TURNO is organized on the first Saturday of January every year. GNITS Alumnae Meet brings old friends together and it gives an extremely sensitive and emotional event that sparks nostalgia among all the Alumnae of GNITS.

GNITS aspires to acknowledge the contribution of its old students on the day of Alumnae Meet. GNITS Alumnae also motivates the students to do much better in the future by the suggestions and notable examples displayed by the former students. The rich experiences and struggles of the Alumnae will help in the growth of the mental health of the current students of GNITS. So, every year on the day of Alumnae Meet, Coffee Table Book – A Souvenir of Alumnae memories and achievements is released.

The Alumnae of the institute is the conglomeration of entrepreneurs, professionals and bureaucrats catering to the society in various designations.

The Alumnae Association of GNITS encourages its members to reunite former students of the college occasionally and to provide alumnae service and support to the institute's mission of teaching and lifelong learning, to take active interest in the activities and the progress of the Alma mater, to promote career guidance and interaction with industry, to get the participation of alumnae in the development of the college, to improve the placement opportunities for the fellow alumnae and fresh graduates, to foster relationship between the alumnae and the present students, to provide guest lectures on the academic as well as industry needs to the present batch of students with a view to exchange the latest developments in the field of Engineering and Technology, to provide the contributions in cash, which will be given as alumnae scholarships to the needy and meritorious students and also for the development of the college by procuring any equipment required in the departments, to develop industry institute interaction through the alumnae members.

<b>File Description</b>	<b>Document</b>
Upload any additional information	<a href="#">View Document</a>
Provide the link for additional information	<a href="#">View Document</a>

## Criterion 6 - Governance, Leadership and Management

### 6.1 Institutional Vision and Leadership

#### 6.1.1

**The institutional governance and leadership are in accordance with the vision and mission of the Institution and it is visible in various institutional practices such as NEP implementation, sustained institutional growth, decentralization, participation in the institutional governance and in their short term and long term Institutional Perspective Plan.**

#### **Response:**

G. Narayanamma Institute of Technology and Science (GNITS) was established in 1997 as the first Women's engineering college in the state of Telangana.

#### **VISION:**

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

#### **MISSION:**

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

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

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

#### **NEP Implementation and sustained institutional growth**

The institute is implementing NEP 2020 which involves a phased approach, collaboration among the stakeholders, and adherence to the policy's key principles. The institute adhere to the continuous and long term expansion, development and overall improvement i.e. sustained institutional growth

#### **MANAGEMENT:**

G. Narayanamma Institute of Technology and Science (for women), sponsored by G. Pulla Reddy Charities Trust. This trust was founded by Late Sri G. Pulla Reddy Garu, an eminent businessman and philanthropist with the marked vision and commitment towards a noble cause of women empowerment. The Governing Body (GB) oversees administration and is constituted according to statutory provisions. It also includes two faculty members and meets regularly. The GB contributes to academic growth and employee service improvements. They approve strategic plans, visions, and budgets, involving all stakeholders. Decisions on admission, programs, infrastructure, teaching, and placements are based on the institution's fundamental concerns.

Senior faculty members hold key administrative positions, including Deans, Hostel Wardens, COE, and are members of decision-making bodies, committee heads, and deputies for administrative training

programs. The faculty actively participate in decision-making processes, with department heads on the College Academic Committee (CAC) and academic/financial power delegated. Appointments are made by selection committees, and suggestions from stakeholders are prioritized for institutional process improvement. This participative approach aims to achieve the institution's vision, mission, and NEP policy.

**decentralization and participative management**

The college engages all stakeholders in decision-making, with a transparent Governing Body and a finance committee, and departmental budgets based on inputs for smooth functioning.

The principal oversees academic administration, ensuring quality education and institutional success, while committees guide activities involving government, administrators, faculty, staff, industry, employer, alumni, parents, and students.

The College Academic Council makes major decisions, with Department Heads delegating more power. Senior faculty hold key administrative roles, and management ensures transparency and efficiency through handbooks and training programs.

Department-level committees, including the faculty, actively participate in decision-making processes, providing input on academic and departmental matters through the Departmental Advisory Committee and Program Assessment Committee.

File Description	Document
Upload any additional information	<a href="#">View Document</a>

**6.2 Strategy Development and Deployment**

**6.2.1**

**The institutional perspective plan is effectively deployed and functioning of the institutional bodies are effective and efficient as visible from policies, administrative setup, appointment, service rules, and procedures, etc**

**Response:**

The college has a strategic plan for next five years (2023-2028), focusing on teaching and learning environment, student development, and R&D excellence, with performance measured through key indicators.

**Excelling in Teaching Learning Environment:**

Utilize innovative teaching tools, pedagogies, and focus on achieving program outcomes, such as

practical learning, internships, and assessments, while diversifying faculty and enhancing excellence.

### **Comprehensive Student Development**

The program includes budget allocation for student development, training, placement, student council formation, student representation, competitions, credit transfer, compensation, rewards, extracurricular activities, and social welfare.

#### **Excellence in R&D:**

##### **1: Increase in Number of Faculty with Ph.D. Qualifications**

Faculty pursuing Ph.D. are motivated to complete early, financially supported through special casual leaves, and recognized with increments and salary hikes, leading to an increase in doctorates.

##### **2: Increase in Research Publications in Scopus/SCI indexed Journals:**

Faculty members are encouraged to publish research in Scopus and SCI-indexed journals, with incentives for excellent articles, reimbursement of publication costs, and preference in the PBAS system.

##### **3: Increase in Funded Research Projects.**

The institution appointed retired employees as research advisors to encourage faculty members to seek grants from government, defense, industry, and other agencies. Travel costs, incentives, seed money, and mandatory application for funding increased project proposals and research fund amounts. This resulted in increased funding.

##### **4: Increase in the number of patents**

The organization supports faculty by reimbursing patent filing expenses, opening incubation centers, organizing idea competitions, measuring faculty performance through PBAS, and conducting regular international conferences to enhance innovative thinking.

The institution has also have well-structured administrative setup, with the governing body as the highest decision-making body. It considers stakeholders' needs and has an organogram on its website. Various committees are responsible for the institution's orderly functioning.

The university has various committees, including the governing council, college academic council, boards of studies, finance, planning, evaluation, grievance redressal, examination, admission, library, internal complaint, student welfare, extra-curricular, academic audit, and anti-ragging.

The college website provides information on committee constitutions, functions, and meetings. The institution has well-defined rules approved by the Governing Body and Academic Council, regularly reviewed and updated.

#### **Policies for the functional aspects of the Institution:**



The policy includes research, development, consultancy, e-government, anti-plagiarism, examination procedures, anti-ragging, IPR, document retention, student and faculty rules, recruitment, promotion, and incentive policies.

**Standard operating procedures for the maintenance of infrastructural facilities:**

This includes civil, electrical, IT infrastructure, academic facilities, and campus maintenance.

The "Malpractices inquiry committee," led by a senior professor, investigates student malpractice cases in examinations and recommends appropriate punishments based on approved malpractice rules by the college academic council.

The Grievance Redressal Committee at GNITS addresses individual grievances of students and staff. Students can submit their grievances in writing or through a web-based mechanism. The committee systematically and impartially resolves issues, maintaining confidentiality and time-bound resolutions with departmental cooperation

Recruitments are transparently advertised in leading dailies and online, with interviews involving external experts from NITs, IITs, Universities, and Premier Institutions.

Promotions are based on faculty qualifications and contributions, with a Performance-Based Assessment System in place to offer promotions to members who meet key performance indicators.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Institutional perspective Plan and deployment documents on the website	<a href="#">View Document</a>

**6.2.2**

**Institution implements e-governance in its operations. e-governance is implemented covering the following areas of operations:**

- 1. Administration including complaint management**
- 2. Finance and Accounts**
- 3. Student Admission and Support**
- 4. Examinations**

**Response:** A. All of the above

File Description	Document
Screen shots of user interfaces of each module reflecting the name of the HEI	<a href="#">View Document</a>
Institutional expenditure statements for the budget heads of e-governance implementation ERP Document	<a href="#">View Document</a>
Annual e-governance report approved by the Governing Council/ Board of Management/ Syndicate Policy document on e-governance	<a href="#">View Document</a>

### 6.3 Faculty Empowerment Strategies

#### 6.3.1

**The institution has performance appraisal system, effective welfare measures for teaching and non-teaching staff and avenues for career development/progression**

**Response:**

The college has a Standards-Based Conceptual framework used for Faculty and Staff Performance Appraisal System which incorporates both responsibility and specialized expansion of the staff. The Principal takes the overall accountability for the staff performance management.

An annual self-appraisal report is submitted by every faculty to the HODs of the respective departments.

The Different modules of Evaluation:

1. Appraisal System:

**The Faculty Annual Appraisal Performance System consists of the parameters like a Teaching, Learning & Evaluation, Faculty Development, Research & consultancy and Governance & Administration followed by Performance evaluation indicators and Head of the Department assessment score.**

**The appraisal of non-teaching staff is done by the office in-charge with the help of the Principal. a) the training programs attended, b) additional service contribution, c) up gradation of domain knowledge and d) next year plans and goals to be achieved will be considered.**

1. Students Evaluation: The feedback from the students regarding the teaching and learning as well as faculty strengths for each course collected and discussed for any improvements. The feedback score is taken as one of the parameters for self appraisal. The students review the teacher on various parameters like syllabus coverage, planning and preparation, voice audibility, , ability to answer the queries, availability of teacher at staff rooms, punctuality, interaction with students

etc. Individual faculty report and correlation report are generated at the end of the evaluation.

- 1.HODs Evaluation: HoD analyze the faculty through the parameters which are initiative, responsibility, punctuality, commitment, loyalty, development, oral and written communication, teamwork, leadership, relationship with fellow faculty and staff, maturity, temperament and relationship with students.
- 2.Principal Evaluation: The final analysis of Performance Appraisal System is through by the principal at the end of academic year.

## 2) WELFARE MEASURES FOR TEACHING AND NON-TEACHING STAFF:

### A) EMPLOYEE PROVIDENT FUND

All the employees of the Institute shall be covered by the Employees Provident Fund Act, subject to their salary ceiling limit.

### B) PARTIAL PREMIUM PAYMENT OF HEALTH INSURANCE POLICY:

The Employees of GNITS are not entitled for any reimbursement of medical expenses incurred for the treatment of themselves or their family members. However, Reimbursement of Rs.5000/- of premium for Medical Insurance paid irrespective of the policy value for all staff on production of documentary evidence.

### C) GROUP GRATUITY SCHEME:

All the Employees holding regular posts and drawing scale of pay will be covered by the Group Gratuity Scheme maintained by L I C of India at the cost of the Institute as per the rules of Payment of Gratuity Act in force.

### D) PERSONAL ACCIDENT POLICY:

For all the Staff, Management is providing Personal Accident Policy with a coverage of 5 Lakhs per member from a reputed Insurance company every year.

### E) E.S.I. BENEFIT:

Non-Teaching staff of the Institute shall be covered by the ESI Benefit subject to their salary ceiling limit As per ESI Act.

### F) SUBSIDIZED TRANSPORTATION FACILITY:

This facility is applicable for the staff for a nominal fee on all the bus routes operating in various parts of

Hyderabad city.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Provide the link for additional information	<a href="#">View Document</a>

### 6.3.2

**Percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years**

**Response:** 53.65

**6.3.2.1 Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year-wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
129	110	31	107	145

File Description	Document
Policy document on providing financial support to teachers	<a href="#">View Document</a>
Institutional data in the prescribed format (data template)	<a href="#">View Document</a>
Copy of letter/s indicating financial assistance to teachers and list of teachers receiving financial support year-wise under each head.	<a href="#">View Document</a>
Audited statement of account highlighting the financial support to teachers to attend conferences/workshops and towards membership fee for professional bodies	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 6.3.3

**Percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDPs)/ Management Development Programmes (MDPs) during the last five years****Response:** 24.97**6.3.3.1 Total number of teachers who have undergone online/ face-to-face Faculty Development Programmes (FDP)/ Management Development Programs (MDP) during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
50	60	49	16	68

File Description	Document
Refresher course/Faculty Orientation or other programmes as per UGC/AICTE stipulated periods, as participated by teachers year-wise.	<a href="#">View Document</a>
Institutional data in the prescribed format (data template)	<a href="#">View Document</a>
Copy of the certificates of the program attended by teachers.	<a href="#">View Document</a>
Annual reports highlighting the programmes undertaken by the teachers	<a href="#">View Document</a>

**6.4 Financial Management and Resource Mobilization****6.4.1****Institutional strategies for mobilisation of funds other than salary and fees and the optimal utilisation of resources**

**Describe the resource mobilisation policy and procedures of the Institution within a maximum of 500 words**

**Response:**

Mobilizing funds for G. Narayanamma Institute of Technology and Science (GNITS) is crucial for its growth and development. While salary and fees are primary sources of revenue, institutions can explore various other strategies to generate additional funds. Here are some institutional strategies for mobilizing funds other than salary and fees for GNITS.

1. Research Grants : Seek research grants from government agencies, private foundations, and corporations. These funds can support specific projects and research initiatives.

2. **Alumni Engagement:** Establish strong alumni networks and engage alumni in fundraising efforts. Organize alumni events, campaigns, and donation drives to encourage former students to give back to the institution.
3. **Philanthropic Donations:** Encourage philanthropic donations from individuals who believe in the college's mission and want to contribute to its growth. Develop a comprehensive fundraising strategy to reach out to potential donors.
4. **Staff Development:** Invest in faculty development programs to enhance the skills and knowledge of educators. Well-trained faculty can attract more students and contribute to the institution's reputation.
5. **Workshops:** Offer online courses, workshops, and certifications to generate additional revenue. These can cater to a wider audience beyond regular students, including professionals seeking continuous education.
6. **Consulting Services:** Utilize faculty expertise to offer consulting services to businesses and organizations. Revenue generated from consulting can be reinvested into the college.
7. **Research and Development Contracts:** Pursue contracts and collaborations with government agencies and private companies for research and development projects. These contracts can provide both funding and opportunities for faculty and students to work on real-world problems.

**Optimal Utilization of Funds:** GNITS efficiently utilizes its financial resources to enhance the quality of education, research, and infrastructure. GNITS verifies whether funds are being used for their intended purposes and whether they are allocated to areas that align with the institution's goals and objectives.

**Infrastructure Development:** GNITS uses funds for developing and maintaining infrastructure, including classrooms, laboratories, libraries, and other facilities. The assessment includes whether these facilities are accessible and conducive to teaching, learning, and research.

**Research and Development:** GNITS uses funds to support research activities, including research projects, conferences, seminars, and the purchase of research equipment and materials. The focus is on promoting a culture of research and innovation within the institution.

**Student Support Services:** GNITS allocates funds for student-centric services, such as scholarships, counseling, career guidance, and extracurricular activities that contribute to the overall development of students.

**Quality Enhancement:** GNITS allocates funds for quality enhancement measures, such as faculty development programs, training workshops, and accreditation-related activities.

**Transparency and Accountability:** GNITS reviews financial management practices, including budgeting, auditing, and reporting, to ensure transparency and accountability in fund utilization.

By diversifying revenue streams and ensuring prudent financial management, GNITS can secure the necessary funds to sustain and enhance its educational mission and infrastructure development. These strategies will not only benefit the institution but also its students and the broader community it serves.

**6.4.2**

**Funds / Grants received from government bodies, non-government bodies, and philanthropists during the last five years (not covered in Criterion III and V)**

**Response:** 0

**6.4.2.1 Total Grants received from government/non-government bodies, philanthropists year wise during last five years (not covered in Criterion III and V) (INR in Lakhs)**

2022-23	2021-22	2020-21	2019-20	2018-19
0	0	0	0	0

<b>File Description</b>	<b>Document</b>
Institutional data in the prescribed format (data template)	<a href="#">View Document</a>
Annual audited statements of accounts highlighting the grants received	<a href="#">View Document</a>

**6.4.3**

**Institution regularly conducts internal and external financial audits regularly**

**Enumerate the various internal and external financial audits carried out during the last five years with the mechanism for settling audit objections within a maximum of 500 words**

**Response:**

G.Narayanamma Institute of Technology and science (GNITS) places a significant emphasis on maintaining a robust audit framework, encompassing both internal and external audits, to ensure the integrity and transparency of its financial processes. This comprehensive approach aims to evaluate and enhance the effectiveness of its financial operations while ensuring compliance with relevant policies and regulations.

**Internal Audit**

The institute operates an internal audit mechanism, which is an ongoing and continuous process. This internal audit team is responsible for reviewing and approving financial information and ensuring adherence to established policies. Their primary objective is to identify areas for improvement and verify the effectiveness of financial processes. They play a crucial role in upholding the institution's financial integrity.

**External Audit:**

In adherence to the stipulated provisions of the Income Tax Act, GNITS conducts an annual statutory audit performed by external auditors. These external auditors are appointed to conduct audits in accordance with Generally Accepted Accounting Policies, applicable Financial Reporting Frameworks, Statutory Provisions, and the standards on auditing issued by the Institute of Chartered Accountants of India (ICAI).

The external auditors play a pivotal role in examining the validity of the institute's financial records, with a focus on detecting discrepancies arising from fraud, errors, or embezzlement. Their audits enhance the authenticity and credibility of GNITS' financial statements, affirming the accuracy and completeness of accounting records, and ensuring alignment with industry-standard practices.

### **Budget Approval Process:**

The process for budget approval at GNITS is meticulous and systematic:

1. At the start of each financial year, the Principal gathers budget proposals from various departments. These proposals are based on a review of past years' actual expenses and the current year's departmental requirements.
2. The Principal, in consultation with the Management, consolidates these proposals into a comprehensive budget.
3. The finalized budget, encompassing both revenue and capital expenses, is submitted for approval to the Governing Body.
4. The Accounts Department, under the Management's authorization, closely monitors and manages the budget throughout the year.

### **Audit Resolution Mechanism:**

The institute has established an efficient mechanism for addressing audit objections:

1. The Finance Committee convenes meetings with both management and external auditors to review audit findings. This includes discussions on matters mandated by generally accepted auditing standards, covering financial reporting controls, information technology security, and operational issues.
2. The Finance Committee conducts separate private meetings with external and internal auditors to address sensitive matters and coordinate audit efforts with internal audit staff.
3. Subsequently, the Finance Committee formulates remarks and responses based on the audit findings.
4. The audit report, along with the Finance Committee's responses, undergoes further scrutiny by the Managing Committee and the Governing Body of GNITS.

Importantly, it is worth noting that there have been no major shortcomings or significant findings in the audits conducted thus far, underscoring the institute's commitment to maintaining sound financial practices and governance. This rigorous audit framework ensures transparency, accountability, and the responsible management of GNITS' financial resources.



File Description	Document
Provide the link for additional information	<a href="#">View Document</a>

## 6.5 Internal Quality Assurance System

### 6.5.1

**Internal Quality Assurance Cell (IQAC)/ Internal Quality Assurance System (IQAS) has contributed significantly for institutionalizing the quality assurance strategies and processes, by constantly reviewing the teaching-learning process, structures & methodologies of operations and learning outcomes, at periodic intervals**

**Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes visible in terms of –**

- **Incremental improvements made for the preceding five years with regard to quality (in case of first cycle)**
- **Incremental improvements made for the preceding five years with regard to quality and post accreditation quality initiatives (second and subsequent cycles)**

**Describe two practices institutionalized as a result of IQAC initiatives within a maximum of 500 words**

**Response:**

#### **Institutionalization of Online Certification courses:**

The implementation of certification courses by IQAC at GNITS after the first cycle has ushered in a transformative era of education. GNITS students are now highly motivated to actively engage with online courses offered by esteemed MOOC platforms such as NPTEL, Coursera, edX, Cisco, Oracle, and others. This initiative empowers them to acquire not only domain-specific knowledge but also interdisciplinary insights, enriching their academic journey.

Additionally, IQAC has taken proactive steps to inspire faculty members to pursue advanced certification courses within their respective domains. This commitment to continuous learning ensures that educators remain at the forefront of their fields, fostering a culture of quality teaching at GNITS. As faculty members gain expertise through these advanced courses, the overall educational experience for students is greatly enriched.

This strategic integration of certification courses aligns with GNITS' dedication to academic excellence and empowers both students and faculty to excel in their educational and professional pursuits. It reflects the institution's forward-thinking approach to education and its commitment to producing well-rounded graduates who are well-prepared for the challenges of the modern world.

In summary, GNITS, through the IQAC's implementation of certification courses, has not only enhanced the academic experience for students but also bolstered the expertise of its faculty members. This dual approach to quality education ensures that GNITS continues to be a hub of continuous learning center.

### **Implementation of Outcome based Education (OBE):**

The implementation of OBE at GNITS, signifies a transformative shift in the institution's approach to education. OBE is a student-centric framework that focuses on defining specific learning outcomes and assessing students based on their achievement of these outcomes.

At GNITS, OBE has been integrated into the curriculum to ensure that educational goals are well-defined and aligned with industry and societal needs. This approach begins with the identification of desired learning outcomes, which encompass not only subject-specific knowledge but also the development of essential skills, competencies, and values.

Each course is designed with clear learning objectives and associated assessment criteria. This allows students to understand what is expected of them and how their performance will be evaluated. Regular assessments, including quizzes, projects, and examinations, are designed to measure the attainment of these learning outcomes.

OBE also emphasizes continuous improvement. GNITS routinely reviews and revises its curriculum and teaching methods based on the assessment data collected. This iterative process ensures that the institution stays up-to-date with industry trends and educational best practices.

Outcome-Based Education (OBE) of GNITS sets clear Course, Program, and Program-Specific Outcomes. Regular assessments identify deficiencies, prompting corrective measures for continuous improvement.

Furthermore, OBE fosters a learner-centric environment that encourages active participation and critical thinking among students

In conclusion, the implementation of Outcome-Based Education at GNITS is a significant step toward providing a high-quality, relevant, and student-centered education. It equips students with not only the knowledge but also the skills and values needed to succeed in their chosen fields and make a positive impact on society.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Provide the link for additional information	<a href="#">View Document</a>

### 6.5.2

**The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms**

**Describe any two examples of institutional reviews and implementation of teaching learning reforms facilitated by the IQAC within a maximum of 500 words each.**

**Response:**

G. Narayanamma Institute of Technology and Science (GNITS) has achieved autonomous status after first cycle. This status empowers GNITS with increased academic autonomy, allowing for customized curricula aligned with industry demands and a nurturing environment for innovation. It serves as a catalyst for research and development (R&D) endeavors, promoting partnerships with industries and bolstering resources for pioneering research initiatives. GNITS take feedback on curriculum from all stake holders and use it as input for preparing Academic Regulations and Syllabus. Faculty members are encouraged to incorporate research findings into their teaching, enriching the overall educational experience. The following explains the improvements in teaching learning and R&D after first cycle.

**Autonomous Status:**

Achieving UGC autonomous status has been pivotal in enhancing total quality management (TQM) within GNITS after first cycle. This autonomy provided GNITS with the flexibility and independence to integrate TQM principles into its academic activities effectively.

The curriculum underwent dynamic improvements to align with industry demands and emerging trends, emphasizing problem-solving, critical thinking, and continuous improvement, all core components of TQM. Faculty development programs were strategically designed to empower educators with TQM concepts, fostering research and teaching practices that emphasize quality and excellence.

Student-centric initiatives, modernized infrastructure, and a commitment to transparency further contributed to the promotion of TQM values. Accreditation pursuits, data-driven decision-making, industry collaborations, and a cultural transformation towards quality consciousness have collectively propelled GNITS towards TQM excellence.

UGC autonomous status has enabled GNITS to create a holistic educational environment that not only imparts knowledge but also instills a culture of quality, innovation, and continuous improvement among all stakeholders, significantly elevating academic standards.

**Research and Development:**

GNITS's commitment to fostering a strong research culture and improving the quality, standards, and

relevance of research and publications in referred journals is commendable. Several key initiatives have been taken to achieve these goals:

1. **Departmental Involvement:** Encouraging all departments to embrace a research-oriented mindset ensures that research is not limited to a few areas but permeates the entire institution. This diverse approach can lead to a broader spectrum of research topics and applications.
2. **Policy Development:** The development of a research and consultancy policy provides a structured framework for conducting research activities. Such policies often include guidelines for ethics, funding allocation, collaboration, and dissemination of research findings.
3. **Sponsored R&D Projects:** GNITS's encouragement of faculty to undertake sponsored research and development projects from funding agencies is pivotal. It not only provides financial support but also promotes practical and application-oriented research, benefiting both academia and industry.
4. **Publication Record:** Focusing on improving the publication record in referred journals signifies a commitment to disseminating research findings to a broader academic community. This enhances the GNITS reputation and encourages faculty to strive for higher research standards. Encouragement of quality research at GNITS lead to increased recognition and collaboration with reputed institutes.

Overall, GNITS's initiatives in promoting research culture, developing research policies, encouraging sponsored projects, and prioritizing publication quality collectively contribute to the institution's growth.

File Description	Document
Upload any additional information	<a href="#">View Document</a>

### 6.5.3

**Institution has adopted the following for Quality assurance:**

- 1. Academic and Administrative Audit (AAA) and follow up action taken**
- 2. Conferences, Seminars, Workshops on quality conducted**
- 3. Collaborative quality initiatives with other institution(s)**
- 4. Orientation programme on quality issues for teachers and students**
- 5. Participation in NIRF and other recognized ranking like Shanghai Ranking, QS Ranking Times Ranking etc**
- 6. Any other quality audit recognized by state, national or international agencies**

**Response:** C. Any 3 of the above

<b>File Description</b>	<b>Document</b>
Quality audit reports/certificate as applicable and valid for the assessment period	<a href="#">View Document</a>
NIRF report, AAA report and details on follow up actions	<a href="#">View Document</a>
List of Collaborative quality initiatives with other institution(s) along with brochures and geo-tagged photos with caption and date	<a href="#">View Document</a>
Link to Minute of IQAC meetings, hosted on HEI website	<a href="#">View Document</a>

## Criterion 7 - Institutional Values and Best Practices

### 7.1 Institutional Values and Social Responsibilities

#### 7.1.1

**Institution has initiated the Gender Audit and measures for the promotion of gender equity during the last five years.**

**Describe the gender equity & sensitization in curricular and co-curricular activities, facilities for women on campus etc., within 500 words**

**Response:**

GNITS has taken various initiatives to safeguard and protect the women staff and students on campus.

#### **Internal Complaints Committee**

Internal Complaints Committee – ICC is constituted in the college campus for the women staff and the students and has been in function from 1st August, 2017 with a constituted committee to provide a safe environment for the women on campus for a healthy and an enhanced intellectual and professional work culture. Any violation of women's safety and fundamental rights is addressed through the ICC and appropriate action is taken against the member on whom the charges are placed. In order to safe guard the confidentiality of the issues raised by the member, ICC has a separate room demarcated and the issues are kept highly confidential.

#### **Grievance Redressal Cell**

The aggrieved women staff or the student needs a secure environment where she can put forth her grievance, issue or concern without any inhibitions. To this effect, ICC has sent up a separate Redressal Mechanism to receive the complaints and the possible action that can be taken against the respondent if proved guilty with the constituted committee.

#### **Women Protection Cell**

To provide a platform to address the gender issues related to discrimination, harrasement and abuse, Women Protection Cell under ICCin collaboration with SHE TEAMS, Telangana conducts and organizes various guest lectures, seminars and workshops to evolve right understanding and motivation to empower as better workforce for the nation.

#### **ABHAYA**

Students led *Women Safety Club* named **ABHAYA** is constituted to create an awareness on the legal rights of the women. The Club initiates and organizes various guest talks by the Women in Law and Order, NGOs and Women led Organisations to inspire and motivate the women to address the challenges and the ways to face them and to provide avenues to interact and gather knowledge from experienced individuals and panels.

## Safety and Security

A well-equipped system handled by an efficient team of security personnel is incredibly important to keep an educational institute safe from the likelihood of any such accidents. Round the clock the Security personnel are deployed across the campus. CC Cameras are installed and monitored covering the wide range of areas.

## Student Councelling Centre

A Student Councelling Center is Established to address the needs of students.

Institution is catering the girl students ONLY, the gender audit was not relevant.

## Towards the World of Equals

A mandatory course on Gender Sensitization is offered with 2 hours of lecture hours and no credits to the students during their first year. A textbook titled: **Towards the World of Equals** is prescribed for the students. The books cover a wide range of topics discussed, debated and presented in a classroom environment. The objective of the course is to sensitize the students on Gender issues pertaining to all the genders.

Student grievance cell

<https://www.gnits.ac.in/students-grievance-redressal-policy/>

Student counselling cell

<https://www.gnits.ac.in/student-counselling-centre/>

Internal Complaints Committee

<https://www.gnits.ac.in/gnits-icc/>

Women protection cell and Abhaya

<https://www.gnits.ac.in/student-clubs/#1651308235748-f5806bcb-aaec>

Facilities for women safety and security

<https://www.gnits.ac.in/security/>

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Provide the link for additional information	<a href="#">View Document</a>

**7.1.2**

*The Institution has facilities for alternate sources of energy and energy conservation measures*

- 1. Solar energy**
- 2. Biogas plant**
- 3. Wheeling to the Grid**
- 4. Sensor-based energy conservation**
- 5. Use of LED bulbs/ power efficient equipment**
- 6. Wind mill or any other clean green energy**

**Response:** C. Any 2 of the above

<b>File Description</b>	<b>Document</b>
Permission document for connecting to the grid from the Government/ Electricity authority	<a href="#">View Document</a>
Geo-tagged photographs of the facilities.	<a href="#">View Document</a>
Bills for the purchase of equipment's for the facilities created under this metric	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**7.1.3**

**Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 500 words)**

- **Solid waste management**
- **Liquid waste management**
- **Biomedical waste management**
- **e-Waste management**
- **Waste recycling system**
- **Hazardous chemicals and radioactive waste management**

**Response:**

GNITS is classified and categorised as follows with suitable ways of disposing them:

Biodegradable and non-bio degradable waste consists of organic and inorganic materials include food scraps, paper, cardboard, yard waste, glass, metal, plastic, etc.

**Solid waste** includes, paper, plastics, metal cans etc and are sold for recyclers. and Biodegradable waste includes food waste, vegetable peels, leaves etc. are disposed off in four dumping yards specially earmarked for the purpose. GNITS has contributed to clean environment by discarding recyclables (1085 Kgs) via RecyKal platform and received Environmental Impact certificate towards the same from Rapidue Technologies Pvt Ltd.



**Waste Segregation:** Campuses often implement systems to encourage students and staff to separate their biodegradable waste from other types of waste, such as plastics and metals. This separation helps streamline the recycling process.

**Education and awareness:** It plays a crucial role in educating the community about the importance of composting and reducing food waste. Awareness campaigns and workshops can promote responsible waste disposal habits.

**Liquid waste** falls into three following categories. 1. Septic tanks are located at different designated places to collect the effluents from various sanitary blocks, water used for washing and cleaning of utensils from canteen 2. Wastewater from laboratories using chemicals 3. Wastewater from RO plant. located at different places in the campus is used for gardening, watering trees.

The excess wastewater will be directed into natural drain passing near by the college campus. Waste water generated from the laboratories is very small in quantity; hence they are handled along with septic sewage. RO plant wastewater is diluted with canteen wastewater and used for gardening, watering trees.

**E-Waste Management:** With the increasing use of electronic devices, e-waste has become a significant concern. Colleges should have proper procedures in place for the disposal and recycling of old computers, phones, and other electronic equipment to prevent hazardous materials from entering the environment.

**E-waste** includes obsolete electronic devices, such as computer systems, servers, monitors, compact discs (CDs), printers, scanners, copiers, calculators, fax machines, battery cells etc. E-waste is disposed of through vendors. There is a buy back policy for UPS and Xerox machines. An MoU with Hyderabad Integrated MSW Ltd is in place to handle the e-Waste as per GHMC norms.

**Reducing Single-Use Plastics:** College has taken necessary steps to reduce single-use plastics on campus. This includes offering reusable dining options, encouraging students to bring their own water bottles and reusable bags, and phasing out plastic straws and utensils.

These efforts reduce environmental impact and promote sustainability on campus, aligning with broader environmental goals and educating students about responsible waste practices. In conclusion, managing both biodegradable and non-biodegradable waste in colleges require a multifaceted approach that includes education, infrastructure, and a commitment to sustainability. By implementing effective waste management strategies, GNITS reduce their environmental footprint, educate the next generation about responsible waste disposal, and contribute to a cleaner, healthier planet.

File Description	Document
Geo-tagged photographs of the facilities	<a href="#">View Document</a>
Relevant documents like agreements/MoUs with Government and other approved agencies	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

**7.1.4****Water conservation facilities available in the Institution:**

- 1. Rain water harvesting**
- 2. Borewell /Open well recharge**
- 3. Construction of tanks and bunds**
- 4. Waste water recycling**
- 5. Maintenance of water bodies and distribution system in the campus**

**Response:** B. Any 3 of the above

<b>File Description</b>	<b>Document</b>
Green audit reports on water conservation by recognised bodies	<a href="#">View Document</a>
Geo-tagged photographs of the facilities	<a href="#">View Document</a>
Bills for the purchase of equipment's for the facilities created under this metric	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**7.1.5****Green campus initiatives include**

**Describe the Green campus initiative of the institution including Restricted entry of automobiles, Use of Bicycles/ Battery powered vehicles , Pedestrian Friendly pathways , Ban on use of Plastic, landscaping with trees and plants etc in 500 words**

**Response:**

To "Promoting Sustainable Urban Mobility, GNITS has taken few initiatives such as Embracing Restrictive Automobile Entry, Encouraging Bicycles and Battery-Operated Vehicles, Pedestrian-Friendly Pathways, Plastic Bans, and Green Landscaping". This comprehensive document focus on various strategies and initiatives that can be implemented to transform urban mobility, making it more sustainable and environmentally friendly. College campuses serve as microcosms of society, offering unique opportunities to implement sustainable mobility and environmental initiatives. GNITS explores a comprehensive approach to transforming college campuses into sustainable, eco-friendly environments. It covers strategies such as restricted automobile entry, the promotion of bicycles and battery-operated vehicles (BOVs), the development of pedestrian-friendly pathways, plastic bags, and green landscaping with trees and plants.

- **Restricted Entry of Automobiles in College:** Restricting automobile entry within college campuses is essential, including congestion reduction, improved air quality, and enhanced safety of all stake holders of institute.

- **Implementation Strategies:** This section outlines various strategies GNITS employ to restrict automobile entry, including parking management, carpooling programs, and the creation of pedestrian zones.
- **Benefits of Restricted Entry:** limiting automobiles on college campuses, reduced emissions, increased walking and cycling, and improved campus aesthetics.
- **Promoting Bicycles on College Campuses:** this will help to learn the importance of developing a comprehensive bicycle infrastructure within college campuses, including bike lanes, racks, and bike-sharing programs.
- **Advantages of Bicycling:** promoting bicycles as a primary mode of transportation on college campuses, including reduced carbon emissions, improved health and well-being, and cost savings for students.
- **Battery-Operated Vehicles (BOVs) on Campus:** various types of battery-operated vehicles suitable for campus use, from electric golf carts to e-scooters.
- **Environmental Gains:** Learn how BOVs contribute to sustainability by reducing greenhouse gas emissions and dependence on fossil fuels.
- **Creating Pedestrian-Friendly Pathways in Educational Institutions:** pedestrian-friendly pathways enhance safety, encourage physical activity, and promote a sense of community among students and faculty.
- **Banning the Use of Plastics on College Campuses:** enforcing plastic bans on campus and educating the campus community about the benefits of reduced plastic use.
- **Sustainable Alternatives:** sustainable alternatives to plastics can be integrated into daily campus life.
- **Green Landscaping with Trees and Plants in Colleges:** green landscaping in colleges create a healthy, vibrant campus environment.
- **Ecological Benefits:** ecological advantages of landscaping with trees and plants, including improved air quality, biodiversity, and temperature regulation.

This comprehensive document offers a blueprint for GNITS to embrace sustainable mobility, reduce their environmental footprint, and create more liveable and eco-friendly campus environments. By implementing these strategies, educational institutions can serve as models for sustainability and inspire future generations of environmentally conscious leaders. By focusing on plastic bags, bicycle promotion, pedestrian-friendly pathways, and eco-friendly initiatives, GNITS foster a culture of sustainability and create greener and more environmentally responsible campus environments.

File Description	Document
Policy document on the green campus/plastic free campus	<a href="#">View Document</a>
Geo-tagged photographs/videos of the facilities	<a href="#">View Document</a>
Circulars and report of activities for the implementation of the initiatives document	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**7.1.6**

**Quality audits on environment and energy are regularly undertaken by the institution**

**The institutional environment and energy initiatives are confirmed through the following**

- 1.Green audit / Environmental audit**
- 2.Energy audit**
- 3.Clean and green campus recognitions/awards**
- 4.Beyond the campus environmental promotion and sustainability activities**

**Response:** B. Any 3 of the above

<b>File Description</b>	<b>Document</b>
Report on environmental promotion and sustainability activities conducted beyond the campus with geo-tagged photographs with caption and date.	<a href="#">View Document</a>
Policy document on environment and energy usage Certificate from the auditing agency	<a href="#">View Document</a>
Green audit/environmental audit report from recognized bodies	<a href="#">View Document</a>
Certificates of the awards received from recognized agency (if any).	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**7.1.7**

***The Institution has Differently-abled (Divyangjan) friendly, barrier free environment***

***Write description covering the various components of barrier free environment in your institution in maximum of 500 words***

- Built environment with Ramps/lifts for easy access to classrooms**
- Divyangjan friendly washrooms**
- Signage including tactile path, lights, display boards and signposts**
- Assistive technology and facilities for Divyangjan accessible website, screen-reading software, mechanized equipment**
- Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading material, screen reading**

**Response:**

**GNITS DIVYANGAN POLICY**

The earlier emphasis on medical rehabilitation for the differently abled has now been replaced by an emphasis on social rehabilitation. There has been an increasing recognition of abilities of persons with disabilities and emphasis on mainstreaming them in the society based on their capabilities. The college particularly plays a very important role in this aspect. Although the percentage of disabled persons is very less, the college makes adequate arrangements and offers facilities to the students who are differently abled in any way. The college is against all kinds of discrimination on any grounds including disability. It believes in the policy that persons with disability must be given equal opportunities, have protection rights and be allowed full participation in any activity. The college is committed to provide facilities and services to create a barrier free environment for all. All the faculty & staff members of the institute shall strive to extend a helping hand towards the differently abled so as to make sure that they benefit from the courses, administrations and activities. Disability sensitization sessions are made part of the students and Employee induction programme.

**OBJECTIVES OF THE POLICY**

- To provide accessible and inclusive education at the college
- To create a culture that is inclusive, non-discriminatory, non-exploitative for all in all spheres of work and education.
- To create suitable and robust regulatory mechanism for effective delivery of services for disabled students and Staff of the college.
- To ensure full participation of persons with disabilities in all activities of the college and to provide them the equal opportunities for development.
- To ensure the awareness programmes for all the teachers and non teaching staff regarding the issues of accessibility.

**Support system for the disabled students:**

Adequate support systems are provided to the students admitted through Physically Handicapped category through TSEAMCET.

- The Placement cell shall provide support to the students with disability and assistØ them in getting appropriate employment after their studies. A counsellor-cum placement officer shall be appointed for further guidance.
- Students interested in Sports will be given special coaching
- Awareness programs are conducted for teachers about the approaches to teaching, evaluation procedures, etc, which they should adapt in the case of students with disability.
- Provide support to the students with disability and assist them in coping with the academic challenges.

**Exam Policy:**

- Sensible convenience will be made to meet the necessities of the considerable number of Students

with disabilities.

- The visually impaired students will be provided with scribes to write their exams.
- Additional time shall be provided to the students with disabilities.
- Separate seating plan will be made to the students with physical disabilities.

#### **Facilities made available for Employees, Students & Visitors:**

- Ramps are made to ensure free movement of the students, employees and visitors.
- Special Toilet is available in an easy access area for students, employees and visitors
- Wheel chairs are provided for disabled students in the campus.

<b>File Description</b>	<b>Document</b>
Upload any additional information	<a href="#">View Document</a>
Provide the link for additional information	<a href="#">View Document</a>

#### **7.1.8**

**Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and such other diversities (within 500 words).**

#### **Response:**

The institution believes in equality of all cultures and traditions as is evident from the fact that students belonging to different caste, religion, regions and states are studying without any discrimination. Though the institution has diverse socio-cultural and linguistic background all are treated equally. The following activities and events are conducted every year:

#### **Communal Harmony Campaign Week**

Communal Harmony Campaign week is observed every year from 19th to 25th November and the last working day of the week is observed as the Flag Day of the National Foundation for Communal Harmony.

#### **Engineers Day**

15th September is celebrated as Engineers Day. Irrespective of caste, creed and religion one student from each branch is shortlisted for the award of **Young Promising Engineer Award** based on their academic performance, outstanding achievement in their co-curricular activity and distinct contribution to the institution. The Awards are given during the Engineers Day.

#### **Bathukamma Celebrations**

The festival is celebrated with great enthusiasm by both the staff and the students preparing the 'Bathukammas' department wise and dancing to the tunes of the festive songs. Bathukamma, the It is a beautiful celebration of flower stack arranged with different unique seasonal flowers in seven concentric layers in the shape of temple gopuram and dancing in a rhythmic pattern with the clapping of hands.

### **Ek bharath Shrestha Bharath**

Ek Bharath Shrestha Bharath, a cultural exchange programme between and among the states of India initiated by MHRD India aims to enhance interaction and promote mutual understanding between people of different states/UTs through the concept of state/UTpairing. Punjab University, GNITS representing the state of Telangana has an exchange programme paired with Haryana to carry out activities to promote a sustained and structured cultural connect in the areas of language learning, culture, traditions and music, tourism & cuisine, sports and sharing of best practices.

### **Sankranthi Sambaralu**

Representing the cultural aspect of Andhra indicating the beginning of the new harvest year, GNITS celebrates Sankranthi. The sweet dish Pongal is prepared on campus, kite festival is celebrated and Muggulla competitions are conducted.

### **Traditional Day**

Traditional Day is observed by the students of the respective branches where both the students and the staff of that branch come in their best traditional attire. Traditional day also marks the closing of the extra and co-curricular activities for that years and ends with the prize distribution to the meritorious students and prize winners in various competitions state wide and nationwide followed by cultural programme.

### **International Yoga Day**

21st June is observed as International Yoga Day. Irrespective of the religions, students of diverse background take part in the Yoga session conducted as per the protocol given by Ministry of Ayurveda, Yoga & Naturopathy, Unani Siddha and Homeopathy (AYUSH).

### **Independence Day and Republic Day**

The two National festivals are celebrated with the Management hoisting the flag followed by cultural programme by the students.

File Description	Document
Any other relevant information	<a href="#">View Document</a>
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	<a href="#">View Document</a>

### 7.1.9

*Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens*

**Describe the various activities in the Institution for inculcating values for being responsible citizens as reflected in the Constitution of India within 500 words.**

**Response:**

At GNITS, we believe in providing holistic education to the students. Sensitizing the students and the staff on the constitutional rights and duties & responsibilities is constantly worked upon to make them as better citizens of the country is done through both co and extracurricular activities and through the curriculum.

GNITS curriculum includes the course Constitution of India as a Mandatory course as per the University norms and AICTE curricular frame work. (for the Second Year B.Tech students and as Audit Course for the M.Tech students of all streams). The course offered has topics to create an awareness and to sensitize the students about the constitutional obligations.

Every year Republic Day is celebrated highlighting the distinct achievements of our country, the new initiatives taken by the Government in the welfare of the public and society and attention to the key issues on which the staff and the students need to be aware of to look into one's moral obligation to work on to find feasible solution as part of strengthening the democratic values.

Independence Day is celebrated every year recollecting the freedom fighters and many unsung heroes, their struggles and sacrifices for freedom of our country. and the value of being a citizen of a democratic country and the responsibilities of a citizen.

Teachers day, Engineers day are celebrated and honored the reputed personalities such as Dr. B. Yagnanarayan, Retd professor, IIT, Madras, Sri. M.V.V. Vidyasagar, President-Electronics group, HBL Power Systems, Dr. P. Srinivasa Reddy, Scientist-G, RCI, Hyderabad.

As part of co and extra-curricular activities, Mock Parliament, MUNs, Debates and Discussions on current affairs, Guest talks during the National importance days, Voters Enrolment drives, cultural performances are organized in the campus to sensitize the staff and the students on the rights and duties of every individual as the citizen of the country.

In addition to these, regular Guest lectures are arranged to the staff and students to create awareness on constitutional related obligations. Flag hoisting ceremonies are celebrated during national festivals and invites eminent Personalities to inspire students and staff emphasizing the duties and responsibilities of citizens. Cultural events are conducted during celebrations of every national festival in which patriotic songs and skits are played.

Quiz competition on Indian constitution, on the occasion of constitutional day was conducted which consists of two rounds, Written test and oral round. Mock parliament was organized on 26-11-21 and students take part in MUNs organized at GNITS or take part in MUNs organized in the other colleges. The topics related to Gender Equality and Womens' rights are addressed during the International



Womens' Day celebrations. The college celebrates the festivals like Independence day, Republic day, Women's day, Engineers day, Constitutional day on an annual basis and thus contributes to the spreading of Constitutional values among the students. GNITS organizes several activities for inculcating values for sensitizing students and staff towards rights, duties and responsibilities.

File Description	Document
Any other relevant information	<a href="#">View Document</a>
Details of activities that inculcate values necessary to nurture students to become responsible citizens	<a href="#">View Document</a>

### 7.1.10

**The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard.**

- 1. The institutional Code of Conduct principles are displayed on the website**
- 2. There is a committee to monitor adherence to the institutional Code of Conduct principles**
- 3. Institution organizes professional ethics programmes for students, teachers, administrators and other staff**
- 4. Annual awareness programmes on Code of Conduct are organized**

**Response:** A. All of the above

<b>File Description</b>	<b>Document</b>
Report on the student attributes facilitated by the Institution	<a href="#">View Document</a>
Policy document on code of ethics.	<a href="#">View Document</a>
Handbooks, manuals and brochures on human values and professional ethics	<a href="#">View Document</a>
Document showing the Code of Conduct for students, teachers, governing body and administration as approved by the competent authority.	<a href="#">View Document</a>
Constitution and proceedings of the monitoring committee.	<a href="#">View Document</a>
Circulars and geo-tagged photographs with date and caption of the activities organized under this metric for teachers, students, administrators and other staff	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 7.2 Best Practices

### 7.2.1

**Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual**

**Response:**

**BEST PRACTICE: 1**

**Title of the Practice:**

**Holistic development - Nurturing Sports Competencies**

**Objectives**

- To inculcate sports culture among the GNITS students, as participation in sports provide an opportunity for the student to prove their mettle and develop their wholesome personality.
- To train the students in different sporting events to improve their fitness, skills and play the game with more proficiency.
- To train the and prepare the college teams in different sporting events by experienced coaches to participate in various state level, national level sports competitions and All India Inter-University

championships to perform their best to get many prizes to the Institute.

### The context

The name, fame and prestige of any educational Institute can be elevated with their sports achievements at various sports championships.

On the other hand, It has been observed that around 85 percent of the students joining B.Tech programmes are insufficiently physically active due to their hectic entrance exam preparation to get a seat in B.Tech. and facing many health issues. Sports is identified as one of the best holistic approaches for wellness.

### The Practice

GNITS has been organising the following sports coaching camps every year by recruiting well experienced and qualified coaches. The sports include Throw ball, Volley ball Basket ball, Table Tennis, Badminton, Kho Kho and Kabaddi.

The students will get the coaching camp information through posters, circulars and group messages.

The coaches train the students after they assess the student's initial fitness, earlier back ground and level of participation in that sport. Initially all the interested students will be trained by the coaches for a limited period. Based on the performance during this period, team probabilities for each sport will be selected to get advanced training to prepare college teams.

### Evidence of Success

The following data reflects the evidence of success through the number of titles won by the GNITS at various Sports competitions during the last 5 years.

**Table-1. Summary of coaching and sports achievements (2018-23)**

Academic Year	No. of coaching camps	No. of students received advanced training	No. of Tournaments GNITS Teams participated	Outcomes of Inter University tournament (IUT) and National championship
2022-23	5	133	17	<ul style="list-style-type: none"> <li>• 64 titles won</li> <li>• 13 IUT and 9 National participants.</li> </ul>
2021-22	4	101	16	<ul style="list-style-type: none"> <li>• 38 titles won</li> <li>• 15 IUT and 22 National participants</li> </ul>
2020-21	4	136	2	<ul style="list-style-type: none"> <li>• 5 titles won</li> </ul>

2019-20	6	172	13	<ul style="list-style-type: none"> <li>• 57 titles won.</li> <li>• Got JNTU Girls Over all championship for the year 2019-20</li> <li>• 6 IUT and 3 National participants</li> </ul>
2018-19	5	134	20	<ul style="list-style-type: none"> <li>• 74 titles won</li> <li>• 8 IUT and National Participants</li> </ul>

### Problems encountered and Resources required

- Unable to participate in many competitions as the academic year got disturbed and every month one batch of students have exams.
- Additional credits to be awarded to the students for outstanding sports achievements which will motivate many more to take up sports.

### BEST PRACTICE: 2

#### Title of the Best Practice 2:

#### Embedding Research and Innovation Excellence

#### Objectives of the Practice

- Elevate R&D and skill enhancement within curriculum through research projects, fostering inventive thinking and hackathon participation.
- Strengthen interdisciplinary collaboration to broaden research perspectives enhance the institution's global recognition, and drive publications and consultancy projects.
- Seek financial advancements through patents, funded projects, and novel funding avenues while promoting collaboration on research and consultancy projects.
- Prepare students for practical challenges, with a focus on experiential learning and hackathon engagements.

#### The Context

GNITS realized the imperative need to transform its students from conventional educational paradigms into active contributors in the realm of new discoveries and innovations. This initiated a rigorous practice of seamlessly integrating Research & Innovation into the existing curriculum, with a clear objective. The ultimate aim was to shape a forward-looking educational model that nurtured both knowledge acquisition and innovation.

#### The Practice

GNITS's commitment to a holistic and practical approach towards research methodologies, institution introduced hobby projects as early as the 2nd year of undergraduate studies. During 3rd and 4th year, the focus shifted to a more comprehensive mini-project and major projects leading to tangible products and prototypes, marking presence in national hackathons. Towards Innovation, Several hackathons, Idea pitching contests, Design thinking workshops are conducted leading to 8 start-ups.

### Evidence of Success

These achievements which include numerous publications, patents, projects, and successful participation in hackathons.

<i>Academic Year</i>	<i>Training Programs conducted on Emerging Technologies</i>	<i>students Involved</i>	<i>Projects Implemented</i>	<i>Outcomes</i>
<b>2022-2023</b>	59	3240	392	93 publications 4 Patents 11 Research Proposals 8 Products 168 student awards. 06 Innovation Events
<b>2021-2022</b>	48	2545	356	53 Publications 7 Patents 8 Research Proposals 3 Products 107 Student awards 07 Innovation Events
<b>2020-2021</b>	26	1895	390	51 Publications 8 Patents 6 Research Proposals submitted

				2 Products developed
				108 Students in higher studies / awards.
2019-2020	28	1430	385	68 Publications
				2 Patents
				13 Research Proposals
				124 Students awards.
				05 Innovation Events
2018-2019	23	3050	315	44 Publications
				2 Patents
				1 Research Proposals
				2 Products
				163 Students awards
				01 Innovation Events

### Problems Encountered and Resources Required.

- The ongoing need for faculty development and training to align with R&D objectives.
- Complexities in forging and maintaining industry and academic collaborations through MOUs.
- Continuous access to up-to-date research journals and databases was essential.
- The requirement for expert mentors and industry consultants to keep research relevant.
- Organizing workshops, global exposure trips, and consultations to maintain the cutting-edge relevance of R&D activities.

### Notes (Additional information)

When considering the adoption of an R&D-centric approach like GNITS's, institutions should be prepared for both initial resistance and long-term cultural shifts. Stakeholder buy-in is essential; thus, continuous advocacy and showcasing tangible benefits of such an approach can ease the transition. Leveraging alumni who have benefitted from R&D experiences can be a powerful tool for persuasion.

## 7.3 Institutional Distinctiveness

### 7.3.1

**Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words**

**Response:**

GNITS is the foremost Engineering Colleges in the combined state of Andhra Pradesh and Telangana exclusively for aspiring women Engineers. Following are few of the distinct thrust areas of the college:

**Non Formal Sanskrit Education (NFSE) Center**

GNITS is the FIRST COLLEGE in the state of Telangana for starting **Non Formal Sanskrit Education (NFSE) Centers** sanctioned by Cental Sanskrit University, established by an act of Parliament (Formerly **“Rashtriya Sanskrit Sansthan,”** Deemed to be University, Under Ministry of Education, Government of India under the auspices of MHRD, New Delhi) in the year 2017 with an objective to develop research oriented interest among students and to drive innovations based on immense treasure of knowledge existing in our Ancient Sanskrit literature/ures.

Under this program **different levels of certificate course in Sanskrit language** is being offered. So far **many** learners have registered for this course and completed different levels. The learners are drawn from a wide cross section of the society including students, Faculty & Staff members of GNITS and a few interested persons from outside with different professionals.

**Other distinctiveness:**

1. Only Engineering College offering B.Tech in **Electronics and Telematics Engineering** UG programme all over the country. It offers various advanced courses related to computer science and information technology apart from advanced subjects related to Electronics and Communications. Graduates fundamentally get to work in an ‘integrated’ industry in both software and hardware that is only set to become smarter in the near future.
2. Apple chose GNITS as a centre for excellence, only of its kind in India and 3rd in the world for launching **Research Oriented App Development MAC Lab** with high end Apple systems inaugurated by **Mr. Tim Cook** CEO, Apple. Around 400 B.Tech III Year students undergo the training and 20-30 B.Tech IV Year students are shortlisted for projects.
3. 60% of the departments are recognized as **Research Centers** with well qualified faculty and doctorates widening the scope of research options and funding opportunities for faculty and students.
4. Establishment of **ATAL RESEARCH CENTRE** by AIM, NITI AAYOG at GNITS in the year 2022 with a sanctioned grant of Rupees 10 crores to enable the growth of the start ups. The centre aims to develop startup ecosystem for women in deep tech sector with emerging technologies and making them the next unicorns of the country.

5. 100% UG and PG programmes are accredited enabling in setting quality educational standards by the Institution and improving the student performance. GNITS has been attracting students with good ranks in their TSEAMCET/JEE Mains and fostering continuous improvement.
6. GNITS has a location advantage in being in the heart of the city at prime location with good connectivity of public and private transport system besides more than 30 college buses plying different routes of the city. With Metro station at Raidurg, frequency of buses every 5-10 minutes from Mehidipatnam and easy cab booking facility eases in reaching the college from all the corners of the city.
7. The only Engineering College in the state where the Hon'ble President of India **Smt. Draupadi Murmu** visited and addressed the students on 29th December 2022 on the occasion of GNITS Silver Jubilee Celebrations and as part of Government of India's Azadi Ka Amrith Mahotsav. Her message, "*to doing our part and ensuring every woman and girl has a better chance to make history*" was truly inspiring and motivating for the young women to grow into successful and responsible citizens of the country.
8. Only Engineering college organized "**International Women Leadership Conclave**" with more than 180 women leaders from diverse backgrounds delivering the sessions including US consulate members on six chosen themes namely, Women in Tech, women in Arts, Women in Academia, Women in Policy, Women in Leadership and Women in Business.
9. One of the distinctive features of GNITS is that Retention Ratio of the faculty is high with 82.5% from the last five years. 155 out of 188 staff retained from last five years providing high quality education meeting the academic and professional needs of the students and in creating an environment that promotes student success.
10. More than 90% of the graduates are getting jobs in their chosen careers and getting into Higher Education through the strong support services provided by the institution through conducting workshops, training programmes, career counseling by the placement cell besides providing advising, tutoring and mentoring by the faculty members on career opportunities and higher education.
11. Women empowered through Technical Higher Education, **13,596** graduated from the past 25 years with more than 82% of students taking up the jobs and being strong workforce for the organizations and empowering themselves to be financially independent and being a support system for their families.
12. Received "**National Employability Award**" in the year 2018 instituted by Aspiring Minds for being among the Top 10% engineering campuses in India. This prestigious Award is based on the AMCAT Scores of the final year B.Tech students during that current year. GNITS is one among the 73 Campuses out of Aspiring Minds Total Campuses Assessed.



## 5. CONCLUSION

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### **Additional Information :**

Eminent personalities including the Present of India, Her excellency Smt D. Murmu, Mr Tim Cook, CEO-Apple and many global leaders visited the campus and students were benefitted with their interactions. 20 interanational dignitories involved in various activities such as International Women in Leadership Conclave, International conferences and career counselling. Technical and reserch activities with various reputed industry such as PWC, Amazon, Carrier technologies in place for the skill development. Intercom facility is in place for effective communication with in the organization.

### **Concluding Remarks :**

Institution is quality conscious and providing quality education towards the women empowerment and build global leaders.

## 6.ANNEXURE

### 1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification
1.3.2	<p><b>Number of certificate/value added courses/Diploma Programmes offered by the institutions and online courses of MOOCs, SWAYAM/e-PG Pathshala/ NPTEL and other recognized platforms (without repeat count) where the students of the institution have enrolled and successfully completed during the last five years.</b></p> <p>Answer before DVV Verification :</p> <p>Answer After DVV Verification :38</p> <p>Remark : Modifying the input as per the supporting documents considering VAC without repeat count</p>
1.4.1	<p><b>Structured feedback for curriculum and its transaction is regularly obtained from stakeholders like Students, Teachers, Employers, Alumni, Academic peers etc., and Feedback processes of the institution may be classified as follows:</b></p> <p>Answer before DVV Verification : A. Feedback collected, analysed, action taken &amp; communicated to the relevant bodies and feedback hosted on the institutional website</p> <p>Answer After DVV Verification: A. Feedback collected, analysed, action taken &amp; communicated to the relevant bodies and feedback hosted on the institutional website</p>
3.1.3	<p><b>Percentage of teachers receiving national/ international fellowship/financial support by various agencies for advanced studies/ research during the last five years</b></p> <p>3.1.3.1. <b>Number of teachers who received national/international fellowship /financial support by various agencies, for advanced studies / research; year-wise during the last five years</b></p> <p>Answer before DVV Verification : 93</p> <p>Answer after DVV Verification: 0</p> <p>Remark : As per the documents provided by HEI</p>
3.2.1	<p><b>Total Grants research funding received by the institution and its faculties through Government and non-government sources such as industry, corporate houses, international bodies for research project, endowment research chairs during the last five years (INR in Lakhs)</b></p> <p>Answer before DVV Verification : 156.98783</p> <p>Answer After DVV Verification :152</p>
3.2.2	<p><b>Number of research projects per teacher funded by government, non-government , industry, corporate houses, international bodies during the last five years</b></p> <p>3.2.2.1. <b>Number of research projects funded by government and non-government agencies during the last five years.</b></p> <p>Answer before DVV Verification : 83</p> <p>Answer after DVV Verification: 42</p>
3.2.3	<p><b>Percentage of teachers recognised as research guides as in the latest completed academic year</b></p>

	<p><b>3.2.3.1. Number of teachers recognised as research guides as in the latest completed academic year:</b>                  Answer before DVV Verification : 25                  Answer after DVV Verification: 19</p> <p>Remark : As per pro-rata basis modifying the input</p>																				
<p>3.4.1</p>	<p><b>The Institution ensures implementation of its stated Code of Ethics for research.</b></p> <p>The institution has a stated Code of Ethics for research and the implementation of which is ensured through the following:</p> <ol style="list-style-type: none"> <li>1. Inclusion of research ethics in the research methodology course work</li> <li>2. Presence of institutional Ethics committee (Animal, Chemical, Bio-ethics etc.)</li> <li>3. Plagiarism check through software</li> <li>4. Research Advisory Committee</li> </ol> <p>Answer before DVV Verification : A. All of the above                  Answer After DVV Verification: B. Any 3 of the above</p>																				
<p>3.4.3</p>	<p><b>Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years</b></p> <p><b>3.4.3.1. Number of research papers in the Journals notified on UGC CARE list year wise during the last five years</b>                  Answer before DVV Verification : 823                  Answer after DVV Verification: 823</p>																				
<p>3.5.1</p>	<p><b>Revenue generated from consultancy and corporate training during the last five years</b></p> <p><b>3.5.1.1. Total Amount generated from consultancy and corporate training year wise during last five years (INR in lakhs)</b>                  Answer before DVV Verification:</p> <table border="1" data-bbox="308 1429 1050 1563"> <tr> <td>2022-23</td> <td>2021-22</td> <td>2020-21</td> <td>2019-20</td> <td>2018-19</td> </tr> <tr> <td>4.64756</td> <td>8.77677</td> <td>5.66632</td> <td>19.77292</td> <td>11.3031</td> </tr> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="308 1641 1050 1776"> <tr> <td>2022-23</td> <td>2021-22</td> <td>2020-21</td> <td>2019-20</td> <td>2018-19</td> </tr> <tr> <td>0</td> <td>4.45</td> <td>1.25</td> <td>12.8</td> <td>0</td> </tr> </table> <p>Remark : As per the supporting documents provided by HEI considering only revenue from consultancy and training</p>	2022-23	2021-22	2020-21	2019-20	2018-19	4.64756	8.77677	5.66632	19.77292	11.3031	2022-23	2021-22	2020-21	2019-20	2018-19	0	4.45	1.25	12.8	0
2022-23	2021-22	2020-21	2019-20	2018-19																	
4.64756	8.77677	5.66632	19.77292	11.3031																	
2022-23	2021-22	2020-21	2019-20	2018-19																	
0	4.45	1.25	12.8	0																	
<p>3.6.2</p>	<p><b>Number of extension and outreach programs conducted by the institution through organized forums including NSS/NCC with involvement of community year wise during the last five years</b></p>																				

**3.6.2.1. Number of extension and outreach programs conducted by the institution through organized forums including NSS/NCC with involvement of community year wise during the last five years.**

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
28	26	19	23	15

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
10	8	12	14	12

Remark : As per the supporting documents provided by HEI

**3.7.1 Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years**

Answer before DVV Verification : 337

Answer After DVV Verification :151

**4.2.2 Percentage of expenditure for purchase of books/ e-books and subscription to journals/e-journals year wise during the last five years**

**4.2.2.1. Expenditure for purchase of books / e-books and subscription to journals/e-journals year wise during last five years (INR in lakhs)**

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
15.8	22.52	9.18	25.1	24.77

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
15.8	22.52	9.18	25.6	18.57

**4.3.2 Student - Computer ratio (Data for the latest completed academic year)**

**4.3.2.1. Number of computers available for students' usage during the latest completed academic year:**

Answer before DVV Verification : 1485

Answer after DVV Verification: 1519

**5.1.3 Following capacity development and skills enhancement activities are organised for improving students' capability**

**1. Soft skills**

2. **Language and communication skills**
3. **Life skills (Yoga, physical fitness, health and hygiene, self-employment and entrepreneurial skills)**
4. **Awareness of trends in technology**

Answer before DVV Verification : A. All of the above  
 Answer After DVV Verification: C. Any 2 of the above  
 Remark : As per the supporting documents provided by HEI

5.1.4 **The institution adopts the following for redressal of student grievances including sexual harassment and ragging cases**

1. **Implementation of guidelines of statutory/regulatory bodies**
2. **Organisation wide awareness and undertakings on policies with zero tolerance**
3. **Mechanisms for submission of online/offline students' grievances**
4. **Timely redressal of the grievances through appropriate committees**

Answer before DVV Verification : A. All of the above  
 Answer After DVV Verification: C. Any 2 of the above  
 Remark : As per the supporting documents provided by HEI

5.3.1 **Number of awards/medals for outstanding performance in sports/cultural activities at University / state /national / international Level events during the last five years**

5.3.1.1. **Number of awards/medals for outstanding performance in sports/cultural activities at University / state / national / international level events (award for a team event should be counted as one) year wise during last five years**

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
37	33	05	56	63

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
4	5	0	4	5

Remark : As per the supporting documents provided by HEI

5.3.3 **The institution conducts / organizes following activities:**

1. **Sports competitions/events**
2. **Cultural competitions/events**
3. **Technical fest/Academic fest**
4. **Any other events through Active clubs and forums**

Answer before DVV Verification : A. All four of the above

5.4.1	<p>Answer After DVV Verification: B. Any three of the above</p> <p><b>Total Amount of alumni contribution during the last five years (INR in lakhs) to the institution through registered Alumni association:</b></p> <p>5.4.1.1. <b>Total Amount of alumni contribution during the last five years (INR in lakhs) to the institution year wise through registered Alumni association:</b></p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="306 430 1046 564"> <thead> <tr> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> </tr> </thead> <tbody> <tr> <td>27.1</td> <td>7.6</td> <td>5.32</td> <td>4.98</td> <td>5.15</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="306 645 1046 779"> <thead> <tr> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> </tr> </thead> <tbody> <tr> <td>7.1</td> <td>7.6</td> <td>5.32</td> <td>4.98</td> <td>5.15</td> </tr> </tbody> </table> <p>Remark : As per the supporting documents provided by HEI</p>	2022-23	2021-22	2020-21	2019-20	2018-19	27.1	7.6	5.32	4.98	5.15	2022-23	2021-22	2020-21	2019-20	2018-19	7.1	7.6	5.32	4.98	5.15
2022-23	2021-22	2020-21	2019-20	2018-19																	
27.1	7.6	5.32	4.98	5.15																	
2022-23	2021-22	2020-21	2019-20	2018-19																	
7.1	7.6	5.32	4.98	5.15																	
6.2.2	<p><b>Institution implements e-governance in its operations. e-governance is implemented covering the following areas of operations:</b></p> <ol style="list-style-type: none"> <li>1. <b>Administration including complaint management</b></li> <li>2. <b>Finance and Accounts</b></li> <li>3. <b>Student Admission and Support</b></li> <li>4. <b>Examinations</b></li> </ol> <p>Answer before DVV Verification : A. All of the above Answer After DVV Verification: A. All of the above</p>																				
6.3.3	<p><b>Percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDPs)/ Management Development Programmes (MDPs) during the last five years</b></p> <p>6.3.3.1. <b>Total number of teachers who have undergone online/ face-to-face Faculty Development Programmes (FDP)/ Management Development Programs (MDP) during the last five years</b></p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="306 1657 1046 1792"> <thead> <tr> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> </tr> </thead> <tbody> <tr> <td>92</td> <td>174</td> <td>141</td> <td>127</td> <td>80</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="306 1872 1046 2007"> <thead> <tr> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> </tr> </thead> <tbody> <tr> <td>50</td> <td>60</td> <td>49</td> <td>16</td> <td>68</td> </tr> </tbody> </table>	2022-23	2021-22	2020-21	2019-20	2018-19	92	174	141	127	80	2022-23	2021-22	2020-21	2019-20	2018-19	50	60	49	16	68
2022-23	2021-22	2020-21	2019-20	2018-19																	
92	174	141	127	80																	
2022-23	2021-22	2020-21	2019-20	2018-19																	
50	60	49	16	68																	
6.4.2	<p><b>Funds / Grants received from government bodies, non-government bodies, and philanthropists</b></p>																				

**during the last five years (not covered in Criterion III and V)**

**6.4.2.1. Total Grants received from government/non-government bodies, philanthropists year wise during last five years (not covered in Criterion III and V) (INR in Lakhs)**

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
150	50	100	70	75

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
0	0	0	0	0

**6.5.3 Institution has adopted the following for Quality assurance:**

- 1. Academic and Administrative Audit (AAA) and follow up action taken**
- 2. Conferences, Seminars, Workshops on quality conducted**
- 3. Collaborative quality initiatives with other institution(s)**
- 4. Orientation programme on quality issues for teachers and students**
- 5. Participation in NIRF and other recognized ranking like Shanghai Ranking, QS Ranking Times Ranking etc**
- 6. Any other quality audit recognized by state, national or international agencies**

Answer before DVV Verification : A. Any 5 or more of the above

Answer After DVV Verification: C. Any 3 of the above

**7.1.2 The Institution has facilities for alternate sources of energy and energy conservation measures**

1. Solar energy
2. Biogas plant
3. Wheeling to the Grid
4. Sensor-based energy conservation
5. Use of LED bulbs/ power efficient equipment
6. Wind mill or any other clean green energy

Answer before DVV Verification : A. Any 4 or more of the above

Answer After DVV Verification: C. Any 2 of the above

**7.1.4 Water conservation facilities available in the Institution:**

- 1. Rain water harvesting**
- 2. Borewell /Open well recharge**
- 3. Construction of tanks and bunds**
- 4. Waste water recycling**
- 5. Maintenance of water bodies and distribution system in the campus**

Answer before DVV Verification : A. Any 4 or more of the above

Answer After DVV Verification: B. Any 3 of the above

**7.1.6 Quality audits on environment and energy are regularly undertaken by the institution**

	<p><b>The institutional environment and energy initiatives are confirmed through the following</b></p> <ol style="list-style-type: none"> <li>1. <b>Green audit / Environmental audit</b></li> <li>2. <b>Energy audit</b></li> <li>3. <b>Clean and green campus recognitions/awards</b></li> <li>4. <b>Beyond the campus environmental promotion and sustainability activities</b></li> </ol> <p>Answer before DVV Verification : A. All of the above                  Answer After DVV Verification: B. Any 3 of the above                  Remark : As per the supporting documents provided by HEI</p>
7.1.10	<p><b>The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard.</b></p> <ol style="list-style-type: none"> <li>1. <b>The institutional Code of Conduct principles are displayed on the website</b></li> <li>2. <b>There is a committee to monitor adherence to the institutional Code of Conduct principles</b></li> <li>3. <b>Institution organizes professional ethics programmes for students, teachers, administrators and other staff</b></li> <li>4. <b>Annual awareness programmes on Code of Conduct are organized</b></li> </ol> <p>Answer before DVV Verification : A. All of the above                  Answer After DVV Verification: A. All of the above</p>

**2.Extended Profile Deviations**

<b>Extended Profile Deviations</b>
No Deviations