YEARLY STATUS REPORT - 2020-2021

Part A

Data of the Institution

1.Name of the Institution   **G.NARAYANAMMA INSTITUTE OF TECHNOLOGY & SCIENCE (FOR WOMEN)**

- Name of the Head of the institution   **Dr.K.Ramesh Reddy**

- Designation   **Principal**

- Does the institution function from its own campus?   **Yes**

- Phone No. of the Principal   **04029565856**

- Alternate phone No.   **04029567756**

- Mobile No. (Principal)   **9849422460**

- Registered e-mail ID (Principal)   **principal@gnits.ac.in**

- Address   **Shaikpet**

- City/Town   **Hyderabad**

- State/UT   **Telangana**

- Pin Code   **500104**

2.Institutional status

- Autonomous Status (Provide the date of conferment of Autonomy)   **28/03/2018**

- Type of Institution   **Women**

- Location   **Urban**

- Financial Status   **Self-financing**

- Name of the IQAC Co-ordinator/Director   **Dr.K.Rama Linga Reddy**

- Phone No.   **04029567756**

- Mobile No: **9391045077**

- IQAC e-mail ID   **iqac@gnits.ac.in**

3.Website address (Web link of the AQAR (Previous Academic Year)   https://gnits.ac.in/AQAR/2019-2020.pdf

4.Was the Academic Calendar prepared for that year?   **Yes**

- if yes, whether it is uploaded in the Institutional website Web link: https://www.gnits.ac.in/academics/academic-calendar/

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	**B**	**2.53**	**2014**	**21/02/2014**	**20/02/2019**
Cycle 2	**B**	**2.53**	**2018**	**04/12/2018**	**31/12/2023**

6.Date of Establishment of IQAC   **12/07/2012**

7.Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?

Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount
Computer Science Engineering	E & ICT	NIT, WARANGAL	01/12/2021	55000
Computer Science Engineering	E & ICT	NIT, WARANGAL	01/12/2021	55000
Computer Science Engineering	SEED/DDP	DST	04/10/2021	704769
Computer Science Engineering	SEED/DDP	DST	04/10/2021	704769
Computer Science Engineering	SEED/DDP	DST	04/10/2021	704769
Computer Science Engineering	E & ICT	NIT, WARANGAL	28/08/2021	55000
Computer Science Engineering	E & ICT	NIT, WARANGAL	28/08/2021	55000
Electronics and Communication Engineering	ISTE	AICTE	21/09/2021	93000
Electronics and Communication Engineering	ATAL	AICTE	22/01/2021	93000
Electronics and Telematics Engineering	E & ICT	NIT, WARANGAL	20/09/2021	113255

Electronics and Telematics Engineering	E & ICT	NIT, WARANGAL	06/09/2021	113321
Computer Science Engineering	MODROB	AICTE	20/07/2020	717647
Electronics and Communication Engineering	GOC	AICTE	24/06/2020	166667
Electronics and Communication Engineering	E & ICT	NIT, WARANGAL	23/08/2021	110000

8.Provide details regarding the composition of the IQAC:

- Upload the latest notification regarding the composition of the IQAC by the HEI

  View File

9.No. of IQAC meetings held during the year   **2**

- Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website?   **Yes**

- If No, please upload the minutes of the meeting(s) and Action Taken Report   No File Uploaded

10.Did IQAC receive funding from any funding agency to support its activities during the year?   **No**

- If yes, mention the amount

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

1. Encouraging staff and students to register for online courses for

the development of their technical knowledge. Ex: NPTEL Courses, Course Era. 2. Theory Classes, lab sessions and Internal Tests have been conducted through Microsoft Teams platform both for B.Tech & M.Tech programs to ensure smooth conduction of class work during pandemic situation. 3. Preplacement Training programs (Campus Recruitment Training Program) proposed by IQAC helped the students for acquiring more placements. 4. GNITS has received Rs. 36.31197/- for Research grants from AICTE, UGC and other agencies. 5. Conducting various FDP programmes both online and offline for enriching knowledge on latest technological trends and improvement of the Quality of Teaching in GNITS.

12.Plan of action chalked out by IQAC at the beginning of the academic year towards quality enhancement and the outcome achieved by the end of the academic year:

Plan of Action	Achievements/Outcomes
To start new courses in Emerging areas	Started 3 new courses in this academic year: i. Artificial Intelligence & Machine Learning ii. Data Science iii. Computer Science & Technology
To establish Incubation Centre and Innovation Centre	Innovation Center established to scale-up the MVP level startups to steady revenue. With Mirainxt, the ecosystem will witness concrete companies who draw their success with access to a global network. The program will support the ventures in reducing their time to market and leveraging faster revenue scale ups.
To conduct an International Conference on Robotics Design and Applications using Wireless Sensor Networks, IOT and Artificial Intelligence	Conducted International Conference on Robotics Design and Applications using Wireless Sensor Networks, IoT and Artificial Intelligence ICRDASIA-2020 from 26th to 28th November 2020.
To conduct three FDPs in emerging technologies	Conducted 1-Week FDP on AI using Python from 14-09-20 to 18-09-20 Conducted a 5 day FDP on Wearable devices from 01-02-2021 to 05-02-2021 Conducted a 3 day

	FDP on Developing applications based on Arduino & Cloud operations from 08-03-2021 to 10-03-2021
To provide Lecture Capturing system/ Video Recording Facility	Installed Lecture capturing system in 10 classrooms in which recorded videos can be viewed by the respective class students and faculty after secured login.
Proposed for the Construction of 4th Floor in Admin Block	Construction of 4th Floor started in the month of January
Proposed for the construction of Addition Block for Hostel	Additional block for hostel is constructed with 36 rooms and a big dining hall in which nearly 100 students accommodated.

13.Was the AQAR placed before the statutory body?   Yes

- Name of the statutory body

Name of the statutory body	Date of meeting(s)
Governing Council	03/07/2021

14.Was the institutional data submitted to AISHE ?   Yes

- Year

Part A

Data of the Institution

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Engineering				
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- Name of the statutory body

Name of the statutory body	Date of meeting(s)
Governing Council	03/07/2021

14.Was the institutional data submitted to AISHE ?	Yes

- Year

Year	Date of Submission
26/02/2022	26/02/2022

15.Multidisciplinary / interdisciplinary

16.Academic bank of credits (ABC):

17.Skill development:

18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)

19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):

20.Distance education/online education:

Extended Profile

1.Programme

1.1   13

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	[View File](#)

2.Student

2.1   **3136**

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	[View File](#)

2.2   **821**

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	[View File](#)

2.3   **3135**

Number of students who appeared for the examinations
conducted by the institution during the year:

File Description	Documents
Institutional Data in Prescribed Format	[View File](#)

3.Academic

3.1   **471**

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	[View File](#)

3.2   **197**

Number of full-time teachers during the year:

Extended Profile

1.Programme

1.1 Number of programmes offered during the year:	13

File Description	Documents
Institutional Data in Prescribed Format	View File

2.Student

2.1 Total number of students during the year:	3136

File Description	Documents
Institutional data in Prescribed format	View File

2.2 Number of outgoing / final year students during the year:	821

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3 Number of students who appeared for the examinations conducted by the institution during the year:	3135

File Description	Documents
Institutional Data in Prescribed Format	View File

3.Academic

3.1 Number of courses in all programmes during the year:	471

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2 Number of full-time teachers during the year:	**197**

File Description	Documents
Institutional Data in Prescribed Format	[View File](#)

3.3 Number of sanctioned posts for the year:	**197**

4.Institution	
4.1 Number of seats earmarked for reserved categories as per GOI/State Government during the year:	**368**
4.2 Total number of Classrooms and Seminar halls	**60**
4.3 Total number of computers on campus for academic purposes	**1346**
4.4 Total expenditure, excluding salary, during the year (INR in Lakhs):	**718.56**

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.

At GNITS, in our efforts to support the reforms in engineering education, designed the curriculum with an inclination towards meeting the local, national, regional and global industry needs. In the 20% leverage given by the University in the autonomous status for variation in the syllabus, the institute has given total weightage to industry specific programme curriculum and course content, proposed, validated and recommended by the Board

of Studies that includes industry personnel in all the departments. The Program Outcomes (POs) and the Program Specific Outcomes (PSOs) identified as the engineering attributes, have been aligned with the Course Outcomes (COs) to ensure attainment of domain-specific knowledge. Alumni members pursuing different career paths are made a part of the Boards of Studies, and mock-interviews, adding value to the industry-specific curriculum design.

The institutional mechanism for periodic stakeholder feedback on the technology upgradation has helped in making suitable changes to the content and pedagogy enabling the graduating engineers to face with confidence the industry demands in jobs. The institute encourages the faculty and the students to take NPTEL and MOOCS Certification courses to promote self-learning and awareness on the developments in their domains.

File Description	Documents
Upload additional information, if any	View File
Link for additional information	https://www.gnits.ac.in/academics/syllabus/

1.1.2 - Number of Programmes where syllabus revision was carried out during the year

3

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
Any additional information	View File

1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year

450

File Description	Documents
Curriculum / Syllabus of such courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	View File
MoUs with relevant organizations for these courses, if any	View File
Any additional information	View File

1.2 - Academic Flexibility

1.2.1 - Number of new courses introduced across all programmes offered during the year

41

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System

13

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
List of Add on /Certificate programs (Data Template)	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum

The college has been working for the holistic development of the

students. Various courses like Gender Sensitization, Environmental Studies, Sports and NSS are offered as both credit courses and mandatory courses for all programmes to address issues such as Gender Equality, Sustainability, Human Values and Ethics. Disaster management and Environmental Impact Assessment are offered as open electives. A Unit on Human Values and Professional Ethics is covered in Behavioural Skills and Professional Communication.

A two-week induction programme is conducted for first year students to help them acclimatize with the system, develop a bonding with the fellow students and teachers, get sensitized towards various issues of curricular and social relevance and imbibe human values in them by resource persons from various realms. The NSS volunteers reach out to students of the government schools in the vicinity and offer career counselling encouraging the school children to aspire for higher education. Student Volunteers participate in Blood donation camps and the Pulse Polio programmes. Gender Sensitization course is offered in the second year acknowledging the centrality of gender in the making of citizens and civil society. Environmental Studies offers an understanding of the importance of ecological balance for sustainable development.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	[View File](#)
Any additional information	[View File](#)

1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

6

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	View File
Any additional information	View File

1.3.3 - Number of students enrolled in the courses under 1.3.2 above

922

File Description	Documents
List of students enrolled	View File
Any additional information	View File

1.3.4 - Number of students undertaking field work/projects/ internships / student projects

1892

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	View File

1.4 - Feedback System

1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni

A. All 4 of the above

File Description	Documents
Provide the URL for stakeholders' feedback report	https://www.gnits.ac.in/curriculum-feedback/
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	View File

1.4.2 - The feedback system of the Institution comprises the following

A. Feedback collected, analysed and action taken made available on the website

File Description	Documents
Provide URL for stakeholders' feedback report	https://www.gnits.ac.in/curriculum-feedback/
Any additional information	View File

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

2.1.1.1 - Number of students admitted (year-wise) during the year

864

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

2.1.2 - Number of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per the reservation policy during the year (exclusive of supernumerary seats)

345

File Description	Documents
Any additional information	View File
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses students' learning levels and organises special programmes for both slow and advanced learners.

The students from different backgrounds with diverse socio-economic and disparate levels of knowledge and skills are admitted into this institution, hence their learning capabilities are different. Upon students admission , a three week Induction program is conducted to orient the students towards professional courses and professional communication improving their language skills .The slow learners are identified based on the analysis in the 1stinternal examination for each semester and cumulative CGPA. Based on their proficiency and competency levels the students are given assistance in the form of extra coaching. The students are given remedial classes. Based on the first internal marks in each semester the students are categorised into two groups:

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

Measures taken for slow learners

1. Conduction of remedial classes
2. Bridge courses for lateral entry students
3. Regular follow up – Individual subject teachers clarify the doubts, provide them unit wise question bank with focus on fundamentals.
4. Mentoring

Encouragement for advanced learners

1. Internships – Students are shortlisted for company internships based on their academic performance.
2. Value Added Courses and Hackathons
3. Paper Presentations / Publications by Students with financial support by the college to publish papers.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.gnits.ac.in/wp-content/uploads/2021/12/lecture-notes-2.pdf

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
01/06/2020	3136	197

File Description	Documents
Upload any additional information	View File

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 experiences:

As per the Choice Based Credit System , apart from the traditional teaching-learning methods, the institute is providing platform for students to explore the options in elective subjects of their choice while innovative student centric methods such as 1.Hackathons 2. Workshops 3. Seminars 4. Virtual Lab 5.Simulation 6. Role play 7. Review web literature 8. Video 9. Demonstration 10. Activity-based learning 11. Jigsaw 12. Think-Pair-Share 13. Flipped Classroom 14.Plicker 15. Guest lecture 16. Professional practice school 17. GD/ debate 18. Peer learning groups 19. MOOCs 20. Google Classroom 21. Project-based learning 22. Real-time case studies 23. Worksheets 24. PPT 25. Kahoot 26. Mind map 27. Journal Review 28. Pogil 29. Open book test 30. Proto-type model 31. Cross words 32. Research projects 33. Language games 34. Viva 35. Poster presentation 36. Public Speaking are used to encourage Participative, Problem solving and Experiential learning. Due to pandemic conditions, some of these methods were implemented in AY 20-21. The methods with S.Nos 1,2,3,4,5,6,7,27 caters to experiential learning, S.No. 8,9,10,11,12,13,14,15,16,17,18,19,20,24,25,26,28,33,35 caters to participative learning while S.Nos. 21,22,23,29,30,31,32,34,36 cater to the problem solving skills.

File Description	Documents
Upload any additional information	[View File]()
Link for additional Information	[https://www.gnits.ac.in/wp-content/uploads/2022/05/2-3-1-link-data.pdf]()

2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

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 termlearning and future referencing using Impartus platform

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://www.gnits.ac.in/facilities/
Upload any additional information	View File

2.3.3 - Ratio of students to mentor for academic and other related issues

2.3.3.1 - Number of mentors

158

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	View File
Circulars with regard to assigning mentors to mentees	View File

2.3.4 - Preparation and adherence to Academic Calendar and Teaching Plans by the institution

Academic Calendar: At the beginning of every academic year, Controller of Exams (CoE) prepares an academic calendar which includes course registration and 16 weeks of instruction with examination schedule dates mentioned for staff and students ahead of semester beginning. The academic calendar is displayed on all the department notice boards, and is also made available on the college web site. Based on this, the academic activities and Extra-curricular activities are planned.

Teaching Plans: HOD allocates subjects to the faculty after collecting the electives choice from students .The respective faculty prepares 'Course Plan' with number of hours required to complete each unit, content beyond syllabus. The academic diary in attendance register contains the execution date of topics . laboratory course plan indicates the number of experiments with dates for each experiment along with manual. The record is evaluated regularly and also slip test is being conducted weekly by allocating marks. Faculty prepares notes unit wise. Course plans is appended to the attendance registers for ready reference. The academic diary is updated in ecap software . Any deviation of academic performance and attendance from normalcy

is noted ,corrective and preventive action is initiated through counselling .

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	View File

2.4 - Teacher Profile and Quality

2.4.1 - Number of full-time teachers against sanctioned posts during the year

197

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File
List of the faculty members authenticated by the Head of HEI	View File
Any additional information	View File

2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year

52

File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	View File
Any additional information	View File

2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)

2040

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
Any additional information	View File

2.5 - Evaluation Process and Reforms

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

40

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	View File
Any additional information	View File

2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year

64

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	View File
Upload any additional information	View File

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

The GNITS has been continuously carrying out of reforms in its examination procedure through integration of IT in all the procedures and processes of the examination system. IT has modernized the entire examination process and has speeded up the functioning mechanism, while making the whole process more transparent. At the same time we have configured Self Service portal for all stakeholders (students and colleges principal, Departmental Heads) for smooth holding of e-cap software and

Processing Software enabled examination process like examination forms and hall tickets generation., approval process, Online Admit card generation, internal marks filling, results declaration and grade card generation and online filling of student details.

The performance of students in each semester shall be evaluated Subject-wise from the year 2018 onwards for UG and PG students. Currently the evaluation pattern is 30% CIE (Continuous Internal Evaluation) and 70% SEE (Semester End Examination) and a Letter Grade corresponding to the % of marks obtained.There is a provision for recounting, revaluation and re-verification for the students. In case, if any student applies for re-evaluation it will be evaluated by an external faculty and awarded accordingly. More details are provided in the additional information

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.gnits.ac.in/wp-content/uploads/2021/12/2-5-3-exam-section-procedures.pdf

2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme Outcomes and Course Outcomes for all Programmes offered by the institution are stated and displayed on the website and communicated to teachers and students

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 and CO's in order i.e., attainment of CO's leads to the attainment of PO's and PEO's etc. The program outcomes (PO'S) are derived from the 12 GA's (graduate attributes) which are prescribed by AICTE 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 viz 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. The attainments of POs and PSOs is from complete curriculum subjects.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	View File
Link for additional Information	https://www.gnits.ac.in/wp-content/uploads/2022/06/co-attainment.pdf

2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

The Program Outcomes (POs) / Program Specific Outcomes (PSOs) are the qualities that must be imbibed in the graduates by the time of completion of their programme. At the end of each programme, the PO/PSO assessment is done from the CO attainment of all curriculum components. Each course has defined set of course outcomes and corresponding evaluation criteria. The course outcomes are mapped to the program outcomes which are used to provide the quantitative measurement of how well the program outcomes are achieved. With the help of CO against PO/PSO mapping, the PO/PSO attainment is calculated. These attainments are based on the mapping levels of COs with POs and PSOs. The final attainments of COs are indication of the subject content delivery and grasping of the same by students. This attainment comprises of two components: internal attainment and external attainment. The marks obtained in internal exams is internal attainment. Similarly, external marks are external attainment. For UG Courses (R-16 Regulations), direct attainment is calculated by considering 25 marks for internal examinations and 75 marks for external examinations. For PG courses(GNR-18 Regulations), direct attainment is calculated by considering 30 marks for internal examinations and 70 marks for external examinations.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.gnits.ac.in/wp-content/uploads/2022/05/2-6-2-po-attaionment.pdf

2.6.3 - Pass Percentage of students

2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution

741

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	View File
Paste link for the annual report	https://www.gnits.ac.in/wp-content/uploads/2022/05/exam-section.pdf

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire). Results and details need to be provided as a weblink

https://www.gnits.ac.in/wp-content/uploads/2021/12/2-7-1_student-satisfaction-survey.pdf

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

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

At GNITS, the faculty members are encouraged to involve in cutting edge research and have publications in high impact international journals. They are also facilitated to interact with industry and research community to enhance the knowledge and contribute for technology development for the benefit of

society.

College has 54 Doctorates and 15 are recognized as supervisors from various universities like JNTUH, OU, KL University, VIT University etc. 19 scholars were awarded Ph.D and 37 are pursuing research under the guidance of the supervisors from the college. Faculty published 124 scientific and technical papers in International and National journals.

23.90 lakhs of SEED grant facilitated faculty to be active in research and consultancy activities. 20 research proposals and 8 patents are filed with the state of art infrastructure provided to faculty, collaboration and interdisciplinary activities. GNITS received 36.56 lakhs from various government agencies like AICTE, DST etc during the current academic year. MiraiNxt, an initiative of GNITS incubation, innovation and entrepreneurship is started in 2021 for hand-holding future development in deep tech, fintech, health tech, edtech and sustainable impact verticals, to name a few.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	https://www.gnits.ac.in/wp-content/uploads/2022/03/3-1_researchpolicy_15_12-4.pdf
Any additional information	View File

3.1.2 - The institution provides seed money to its teachers for research

3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)

23.90358

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	View File
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	View File
List of teachers receiving grant and details of grant received	View File
Any additional information	View File

3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year

0

File Description	Documents
e-copies of the award letters of the teachers	**No File Uploaded**
List of teachers and details of their international fellowship(s)	View File
Any additional information	**No File Uploaded**

3.2 - Resource Mobilization for Research

3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)

37.66197

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	View File
List of projects and grant details	View File
Any additional information	View File

3.2.2 - Number of teachers having research projects during the year

16

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.gnits.ac.in/research-projects/
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

15

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	View File
Institutional data in Prescribed format	View File

3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year

4

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	https://www.gnits.ac.in/wp-content/uploads/2022/04/3-2-4-links.pdf
Any additional information	View File

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc.

Dedicated centers for research, innovation and creation, entrepreneurship, community orientation and incubation establish a strong innovation ecosystem among faculty and students.

With the encouragement from management through SEED funding, the faculty and students are proactively carrying out research and 10 research projects are sanctioned under various government and non-government agencies for the academic year 2020-2021.

I-Cell is active in organizing various events like boot camps, idea generation workshops etc., with industry experts as mentors. A center for research in AI&ML is established to provide hands-on experience to support innovation. Two hackathons and one idea pitching contest are organized.

EDC Cell foster better linkages between the Parent Institution and other related organizations engaged in promoting Small & Medium Enterprises (SMEs) including MSME, NGOs and other Voluntary Organizations. 12 seminars/workshops are organized in 2020-21.

Many student clubs are formed and are actively involved in community services. 26 outreach programs are conducted by the institution through NSS/NCC/Red Cross/YRC etc. and 2569 students are involved in those activities.

MIRAINXT is an Incubation Centre is established to facilitate students for exploring the landscape of diverse perspectives. This year three new startups were supported and the GNITS students are offered internships.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.gnits.ac.in/wp-content/uploads/2022/04/3-3-1-links.pdf

3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

33

File Description	Documents
Report of the events	View File
List of workshops/seminars conducted during the year	View File
Any additional information	View File

3.4 - Research Publications and Awards

3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software

A. All of the above

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	View File
Any additional information	View File

3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year

3.4.2.1 - Number of PhD students registered during the year

56

File Description	Documents
URL to the research page on HEI website	https://www.gnits.ac.in/academic-research-and-research-facilities/
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	View File

3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year

1.425

File Description	Documents
List of research papers by title, author, department, and year of publication	View File
Any additional information	View File

3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year

1.564

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.gnits.ac.in/wp-content/uploads/2022/05/3-4-4-additional-info.pdf

3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

3.4.5.1 - Total number of Citations in Scopus during the year

310

File Description	Documents
Any additional information	View File
Bibliometrics of the publications during the year	View File

3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

3.4.6.1 - h-index of Scopus during the year

13

File Description	Documents
Bibiliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	View File

3.5 - Consultancy

3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)

20.93256

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	View File
List of consultants and revenue generated by them	View File
Any additional information	View File

3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year

14.82364

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	[View File](#)
List of training programmes, teachers and staff trained for undertaking consultancy	[View File](#)
List of facilities and staff available for undertaking consultancy	[View File](#)
Any additional information	[View File](#)

3.6 - Extension Activities

3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development, and the impact thereof during the year

GNITS has various extension and outreach programs in association with NSS, Rotaract Club, Street Cause and many other organizations in Hyderabad thus making students a part of a caring society.

Students have organised many virtual and on site events in the academic years 2020-2021. 2569 students from various departments have taken part in nearly 26 activities. The activities and programs organised and or conducted were under various umbrellas ranging from self-awareness programs to donations, volunteering activities to empowering the needy. Students volunteered in food distribution, blood donation, procuring and distributing covid related medical kits etc. They have taken up different activities like building water tanks and toilets in some of the nearby villages, distributing groceries, stationery materials, blankets under NSS and StreetCause Hyderabad, deputed students as scribes for blind schools etc,. Students are also empowered themselves in staying mentally and physically fit by participating in various virtual yoga and wellness programs, sensitized on social issues such as traffic regulations, anti-ragging, cybercrimes, self-defense and fine arts.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.gnits.ac.in/student-clubs/

3.6.2 - Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government-recognised bodies during the year

21

File Description	Documents
Number of awards for extension activities in during the year	View File
e-copy of the award letters	View File
Any additional information	View File

3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc. during the year (including Government-initiated programmes such as Swachh Bharat, AIDS Awareness, and Gender Sensitization and those organised in collaboration with industry, community and NGOs)

26

File Description	Documents
Reports of the events organized	View File
Any additional information	View File

3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year

2569

File Description	Documents
Reports of the events	View File
Any additional information	View File

3.7 - Collaboration

3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work

81

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	View File

3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)

15

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	View File
Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year	View File
Any additional information	View File

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching-learning, viz., classrooms, laboratories, computing equipments, etc.

G. Narayanamma Institute of Tech. & Sc. (for women) is centrally located in the city of Hyderabad, and has an appealing, functional, and eco-friendly landscape, spread over 12.5 acres.

Classrooms

The institution has well-ventilated, illuminated, spacious and well-furnished classrooms each with a capacity of 70-75. Equipped with adequate furniture and power backup.

Technology Enabled Learning Rooms

The Institution has Smart Classrooms that are equipped with LCD Projector, Smart interactive board, Wi-Fi, and Audio & Video facilities. There are classrooms with IMPARTUS Lecture Capturing

facility.

Seminar Halls

The Institution has huge seminar halls, one in the Main Administrative Block with 320 seating capacity, 2 halls in the Library Block with a seating capacity of 180 & 300. There are 3 departmental Seminar Halls which have LCD Projectors, Whiteboards, raised platforms, public address systems and internet facility.

Laboratories

The institution has well-equipped laboratories for imparting practical knowledge. Along with the regular curricular labs, the institution has established COEs in collaboration with industry that would aid in skill upgradation in advanced technologies.

Computing Equipment:

A Central Computing Centre with 40 Desktop Computing Systems is functioning from 9.00 a.m. to 6.30 p.m. on all working days and 8.00 a.m. to 6.00 p.m. on Sundays.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://www.gnits.ac.in/

4.1.2 - The institution has adequate facilities for cultural activities, yoga, sports and games (indoor and outdoor) including gymnasium, yoga centre, auditorium etc.)

The college is ensuring effective utilization of the facilities for extra-curricular activities by the students. Intra Activities as well as Inter college meets, are held to encourage the spirit of sportsmanship among the students.

Sports & Games

A spacious Indoor Sports Room, with an area of 726 Sq.mt, is equipped with facilities to play Table tennis, Chess and Carroms. An Indoor badminton stadium with two wooden courts is built in the campus. Adequate outdoor infrastructure, in an area of 12,142 Sq.mt, is available for Volleyball, Throwball,

Basketball, Kho Kho, Kabaddi and Handball. Facilities for sports such as long jump, short put, and disc throw are made available.

Gymnasium

A Fitness wing with 8 station gym has been established with latest Exercise-Cycle, Twisters, Ab-Slimmer, 1 Threadmill, 2 Cross Trainers, 2 Exercise Cycles, Dumbbells, Toning Tubes, Thera bands, Medicine Balls etc. An outdoor, Open gym is built providing 17 gym equipment placed at 2 locations, one in the playground and the other in the college Hostel premises.

Yoga

A 320 capacity Seminar Hall and Open Lawn of the administrative building is made available for instruction and practice of Yoga. An audit course titled 'Stress Management by Yoga' is offered in M. Tech.

File Description	Documents
Geotagged pictures	View File
Upload any additional information	View File
Paste link for additional information	https://www.gnits.ac.in/facilities/sports-2/

4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities

51

File Description	Documents
Upload any additional information	View File
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

4.1.4 - Expenditure for infrastructure augmentation, excluding salary, during the year (INR in Lakhs)

391.78

File Description	Documents
Upload audited utilization statements	View File
Details of Expenditure, excluding salary, during the years	View File
Any additional information	View File

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS)

Central Library Details:

- **Name of the ILMS Software : e-Cap**

- **Nature of automation (fully or Partially): Fully**

- **Version : 5**

- **Year of automation : 2000**

Online Public Access Catalogue (OPAC) : Open for all students and staff through Online Public Access Catalogue

- **OPAC Provides the access to the GNITS Library database.**
- **OPAC allows the users to know the library collection and the status of the Library Resources.**
- **OPAC allows the users to search the database by Title, Author, Accession Number of the document/book**
- **User can access GNITSOnline Public Access Cataloguefrom any computer connected to the GNITS- LAN**

CIRCULATION: Issue and Return will take place in this section.

Processing section : In the processing section all the updates of the GNITS Library Book

Stock data base will take place.

Phase

Period

Up gradation

Phase -I

2000-2009

Clarity

Phase -II

2010 – 2018

e-Cap Verion-4

Phase-III

2018- Till

Up graded to Version-5

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://43.225.26.108/ecap/Default.aspx

4.2.2 - Institution has access to the following: e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access to e-resources

A. Any 4 or more of the above

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	View File
Upload any additional information	View File

4.2.3 - Expenditure on purchase of books/ e-books and subscription to journals/e-journals

during the year (INR in lakhs)

`9.18`

File Description	Documents
Audited statements of accounts	View File
Any additional information	View File
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

4.2.4 - Usage of library by teachers and students (footfalls and login data for online access)

4.2.4.1 - Number of teachers and students using the library per day during the year

`450`

File Description	Documents
Upload details of library usage by teachers and students	View File
Any additional information	View File

4.3 - IT Infrastructure

4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities

1. GNITS is a WiFi enabled campus. Over the years it was upgraded to 200 Mbps and then to 500 Mbps in April 2021.
2. There are a total of 92 WiFi access ports in the campus.
3. UPSs and 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 1346 systems to students in the college.
6. The campus has 17 computer centers optimally networked to cater to the academic requirements of the students of all branches. The student to computer ratio is 2.33:1.
7. All the systems are configured with windows equipped with essential softwares and firewalls for cyber security.
8. There are 80 Projectors around the campus in classrooms and seminar halls.
9. Five Ingress Interactive Boards CS-85 along with Hitachi

CPAX 3005 Projectors are installed one each in the departments to assist in smart learning.

10. Impartus Lecture Capture Solution is installed in 10 classrooms at GNITS to record daily lectures in the class rooms.

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

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.gnits.ac.in/it-facilities-upgrade/

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
3136	1346

File Description	Documents
Upload any additional information	View File

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus

A. ?50 Mbps

File Description	Documents
Details of bandwidth available in the Institution	View File
Upload any additional information	View File

4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing

C. Any two of the above

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://www.gnits.ac.in/wp-content/uploads/2022/05/4-3-4_additional-information.pdf
List of facilities for e-content development (Data Template)	[View File](#)

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of physical and academic support facilities, excluding salary component, during the year (INR in lakhs)

326.779

File Description	Documents
Audited statements of accounts	[View File](#)
Upload any additional information	[View File](#)

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

Maintenance Policy:

The College has well established procedure of utilizing academic and support facilities is organised by model type like buildings, ICT-enabled classrooms, laboratory & playgrounds.

Physical Facilities:

Electrical Maintenance:

The institution has Generator, UPS, and Batteries for continuous supply of electricity. In-house team and AMC in the event of a major break down.

Furniture Maintenance:

The Mechanical Department maintains in-house services such as fabrication, repairs, procurement of Furniture to the

Departments & Hostels.

Network Maintenance:

Network Administrator in IT Department's monitor, upgrade the existing intranet and internet facilities. Telephone and intercom facilities maintained by a outsource technicians.

Academic Facilities:

Library:

Library issues text books, reference books, journals to students & faculty. Digital library caters e-books, e-journals & online resources that can be utilized within the library.

Classrooms & Laboratories:

The classroom maintenance done by the faculty in-charge peridically. Electrical, LCD projectors, LAN connection in the classrooms will be checked periodically. Laboratory equipment are maintained by Departmental Technicians

Sports:

The playground & Gym facilities are regularly available to develop the nutritious personality of all the students and maintained under supervision of Physical Director.

File Description	Documents
Upload any additional information	[View File]()
Paste link for additional information	https://www.gnits.ac.in/wp-content/uploads/2022/05/4-4-2.pdf

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year

1241

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	View File
Upload any additional information	View File

5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year

1636

File Description	Documents
Upload any additional information	View File
Institutional data in prescribed format	View File

5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology   **A. All of the above**

File Description	Documents
Link to Institutional website	https://www.gnits.ac.in/capacity-and-skill-development/
Details of capability development and schemes	View File
Any additional information	View File

5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year

2561

File Description	Documents
Any additional information	View File
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees

A. All of the above

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	View File
Details of student grievances including sexual harassment and ragging cases	View File
Upload any additional information	View File

5.2 - Student Progression

5.2.1 - Number of outgoing students who got placement during the year

497

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File

5.2.2 - Number of outgoing students progressing to higher education

13

File Description	Documents
Upload supporting data for students/alumni	View File
Details of students who went for higher education	View File
Any additional information	View File

5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year

5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year

138

File Description	Documents
Upload supporting data for students/alumni	View File
Any additional information	View File

5.3 - Student Participation and Activities

5.3.1 - Number of awards/medals for outstanding performance in sports and/or cultural activities at inter-university / state /national / international events (award for a team event should be counted as one) during the year

6

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File

5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution

The students have active representation in academic and administrative committees of the Institute. There are totally 38 committees, out of them 26 committees have active student participation and involvement in various activities conducted by the committees. The Institute has a Student Council constituted

with two faculty advisors and 104 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 student concerned activities.

There are technical associations at institution level like ISTE and IEEE. Under these, more than 50 student coordinators actively involve in organizing various technical events and co-curricular activities every year under the guidance of faculty coordinators. Students have strong representation not only in academics but also in cultural, literary and sports committees. They actively involve in organizing various sports competitions and fitness programmes every year. The formation of various committees has enabled the student body to partake in the activities of hostel, library, anti-ragging, transport, canteen etc. and play a very important role in most of the academic and administrative committees.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.gnits.ac.in/wp-content/uploads/2022/04/list-of-student-committees-2020-21.pdf

5.3.3 - Number of sports and cultural events / competitions organised by the institution

33

File Description	Documents
Report of the event	View File
List of sports and cultural events / competitions organised per year	View File
Upload any additional information	View File

5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute significantly to the development of the institution through financial and other support services

Alumnae Association of G. Narayanamma Institute of Technology & Science is named as "GNITS Alumnae Association" with a

registered number 55 of 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., The Alumnae of the institute is the conglomeration of entrepreneurs, professionals and bureaucrats catering to the society in various designations. GNITS Alumnae Annual Meet named as TU TURNO is organized on the first Saturday of January every year.

Mission of The Alumnae Association

To reunite former students of the college occasionally and to provide alumnae service, support to the institute's mission of teaching and lifelong learning.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.gnits.ac.in/wp-content/uploads/2021/12/20-21-2.pdf

5.4.2 - Alumni's financial contribution during the year   C. 5 Lakhs - 10 Lakhs

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the Institution

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.

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 administration is overseen by the Governing body which is constituted as per the statutory provisions. Two faculty members (on rotation basis) are included as members of Governing Body and make active contributions for academic growth and improvements in the service matters of the employees. Many senior faculty members occupy pivotal administrative positions like Deans, Hostel coordinator, Controller of Examinations etc., and are also members of various decision making and administrative bodies.

File Description	Documents
Upload any additional information	[View File]()
Paste link for additional Information	https://www.gnits.ac.in/vision-mission/

6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

The college involves all the stakeholders in decision making process for framing guidelines and rules & regulations to ensure smooth and systematic functioning of the institute. Budgetary provisions for the departments are made based on the inputs provided by the HOD. The Principal Look after the academic

administration and creates an environment for effective learning of students. The institution has in place several Committees to continuously monitor the academic and administrative activities. The committees comprise of key stakeholders including faculty, staff, industry, employer, alumni, parents and students.

All the Heads of the Department are members of the College Academic Committee where major Academic/Administrative decisions are taken. Many senior faculty members and staff occupy pivotal administrative positions like the Deans, Training and Placement Officer, IQAC coordinator, Hostel Coordinator, Controller of Examinations etc.

At the department level, decisions are taken by various department level Committees. The faculty are actively involved in decision making process. As part of the Departmental Advisory Committee (DAC) and Programme Assessment Committee (PAC), the faculty provide their inputs on all academic related and other departmental matters .In these committees senior faculty members apart from external experts give their advises for all round development of respective department.

File Description	Documents
Upload strategic plan and deployment documents on the website	[View File](#)
Upload any additional information	[View File](#)
Paste link for additional Information	https://www.gnits.ac.in/strategic-plan/

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented

The college has a comprehensive strategic plan for all-round development of the college for academic year 2020-2021 with three broad objectives.

1. Excellence in Teaching and Learning Environment
2. Comprehensive Student Development
3. Excellence in R&D

GNITS faculty use modern tools such as animation, simulation and virtual tools in teaching apart from conventional methods.

Teachers handling analytical subjects Take tutorial classes for better learning of subjects. GNITS encourages staff and students to complete self -learning courses. All these strategies helped students to get better results for the academic year 2020-21.

GNITS setup departmental professional bodies for all round development of students and organizes seminars and guest lectures with experts. GNITS Establishes different student clubs for co-curricular and extracurricular activities. support students for NSS and other societal beneficial activities.

The faculty members who are pursuing Ph.D. are encouraged and motivated to complete their Ph.D. Incentives are given to the faculty for quality articles and publication cost would be reimbursed. GNITS Encourages faculty to apply for funding of various research projects. College support the faculty by reimbursing the expenses incurred in filing the patent. The number of Ph.Ds, research projects, publications, patents are increased with these strategies.

File Description	Documents
Strategic Plan and deployment documents on the website	[View File](#)
Paste link for additional information	https://www.gnits.ac.in/strategic-plan/
Upload any additional information	[View File](#)

6.2.2 - The functioning of the various institutional bodies is effective and efficient as visible from the policies, administrative set-up, appointment and service rules, procedures, etc.

The Institution has a well-structured administrative setup. The governing body is the highest decision-making body, which gives constructive suggestions to the management for effective decision making and to meet the Vision, Mission of the college. Various committees are constituted to share the responsibility for the orderly functioning of the Institution under the guidance of the Principal. These committees includes Governing Body, College Academic Council, Boards of Studies, Finance Committee, Grievance and redressal Committee, Purchase committee, Transport committee, Library Committee, Anti-Ragging Committee, Etc.. The Institution has a set of well-defined service-rules and regulations. Different policies like Recruitment policy, Promotional Policy, etc. are formed for effective running of college.

The Grievance Redressal Committee is constituted to consider all the individual grievances of students and staff. The students and faculty with a genuine grievance may approach the grievance redressal committee to submit his/her grievance in writing to the Convener, Grievance redressal committee of GNITS. The web-based grievance redressal mechanism is also provided.

All the recruitments are made transparent duly advertising the posts in leading dailies/online and conducting interviews involving external experts. Promotions are accorded as per the norms taking the faculty qualifications and their contributions into consideration.

File Description	Documents
Paste link to Organogram on the institution webpage	https://www.gnits.ac.in/organisation-chart/
Upload any additional information	View File
Paste link for additional Information	https://www.gnits.ac.in/about-us/service-rules/

6.2.3 - Implementation of e-governance in areas of operation: Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Documen	View File
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression

Welfare schemes and financial support to Teaching staff and Non-

Teaching Staff:

1. EPF for the staff @12% of basic contributions of Employer and employee
2. ESI benefits Non-teaching staff @4% of basic.
3. Gratuity for staff up to 10 lakhs disbursed to the retired or resigned.
4. Reimbursement of 5000/- of premium for Medical Insurance.
5. Personal Accidental Policy with a coverage of 5 Lakhs per member for all staff every year.
6. Gifts to the Staff during Special Occasions and Festivals Advances
7. Donations to any Staff whose family is in a medical emergency.
8. Subsidized Transportation Fee for the Staff: bus routes operating in Hyderabad city.

Avenues for the career development /progression of Staff:

1. 10 Academic Leaves per annum towards the professional development. for attending Seminars, Training Programs, Workshops, or any other academic exams to be attended.
2. Encouragement for paper Publications/Presentations by giving incentives to publish in journals.
3. For Ph.D., awardees allowance of 3000/- to Assistant Professors & 4000/- per month for Associate Professors.
4. Financial support to staff to attend seminars/ workshops towards Registration fee.
5. Library books are issued to the staff to enhance their skills and knowledge.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://www.gnits.ac.in/welfare-measures-and-its-outcomes/

6.3.2 - Number of teachers provided with financial support to attend conferences / workshops and towards payment of membership fee of professional bodies during the year

73

File Description	Documents
Upload any additional information	View File
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

6.3.3 - Number of professional development / administrative training programmes organized by the Institution for its teaching and non-teaching staff during the year

13

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	View File

6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)

170

File Description	Documents
Summary of the IQAC report	View File
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View File
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

The Institute has a system of internal as well as external audit. Internal audit is an ongoing continuous process and the institute has its own internal audit mechanism. The Books of Accounts of the Institute are audited by the Internal Audit

team. As per stipulated provisions of the Income Tax Act, statutory audit is conducted once in a year by the External Auditors

External Auditors have been appointed by the institution as per the statutory requirement. The External Auditor conducts audit in accordance with the Generally Accepted Accounting Policies, applicable Financial Reporting Framework, Statutory Provisions and regulations, etc.

The Auditor conducts audit in compliance with the standards on auditing issued by the ICAI. Auditor conduct audit and draws conclusion on the Financial Statements. Their main role is examination of the validity of financial records of the college to find out if there are any discrepancies in the records because of error or embezzlement. It increases the authenticity and credibility of financial statements. An external audit also reviews financial statements, such as balance sheets to certify that they present the entities of finances accurately.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://www.gnits.ac.in/wp-content/uploads/2022/03/audit-report-2021.pdf

6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists during the year (not covered in Criterion III and V) (INR in lakhs)

0

File Description	Documents
Annual statements of accounts	No File Uploaded
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	View File
Any additional information	No File Uploaded

6.4.3 - Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Mobilisation of Funds:

The main financial resource for the Institute is by way of tuition fee. The tuition fee is fixed based on the previous year's expenditure and the impact of the inflation in the next three years. The institution furnishes all the relevant details of the expenditure and projections for every three years to the State Fee Regulatory Committee which fixes the tuition fee of the Institute once in three years.

Optimal utilisation of resources:

An annual budget is prepared to ensure optimal utilisation of financial resources, based on the estimates received from the departments and functional units of the Institute.

The funds are utilized for approved academic expenses and administrative expenses as per the norms. Major proportion of funds is allocated for remuneration to the teaching professionals and administrative staff members. Purchases are made with the recommendations of Purchase Committee. The amounts withdrawn from the banks follow a systematic mechanism of obtaining the approval at various levels.

Audit is performed periodically to ensure that the budget is optimally utilized for the purpose it is intended. The resources in the form of facilities and equipment are maintained to ensure optimum performance.

File Description	Documents
Upload any additional information	[View File]()
Paste link for additional Information	https://www.gnits.ac.in/finance-committee/

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

The IQAC Cell was set up in the year 2012 in College. Internal Quality Assurance Cell (IQAC) is responsible for Development and application of quality benchmarks for various academic and administrative activities of the institution.

The college institutionalizes IQAC initiatives and corrective measures. Four such practices institutionalized as a result of IQAC initiatives after I cycle are:

1.Implementation of outcome based education

Outcome Based Education (OBE) model is implemented in GNITS from the academic year 2014-15 with the initiatiation of IQAC. OBE helped teachers to plan the course delivery and obtain CO,PO attainments.

2.Bar-coding and Automation in the Examination Process

The examination section has procured the automation software from Sharp Micro Technologies (India) in the year 2019. The software possesses pre & post examination modules to automate tasks.

3. Institutionalization of Online Certification Courses

IQAC motivated Staff&Students to take up the online courses offered by various MOOCs platforms such as NPTEL, COURSERA, etc. to gain the domain knowledge.

4. Implementation of Blooms taxonomy

IQAC initiated blooms taxonomy for all subjects during conduction of Mid Examinations in the year 2017. It is also suggested to set question papers covering various levels of blooms taxonomy.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.gnits.ac.in/iqac/aqar-reports/

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals through its IQAC as per norms

IQAC of GNITS is adopting a well-defined review mechanism of Teaching-Learning process through

   1. Performance Based Appraisal System (PBAS)

2. online feedback Mechanism
3. Academic & ISO audits

IQAC Review the Teaching learning process through PBAS and Online Feedback mechanism. The PBAS system covers Teaching and learning ,R&D and additional work done by the faculty member. Seperate format of PBAS is used for non-teaching staff. The Course file of teacher includes lesson plans along with teaching methodologies such as ICT based Teaching like Power Point Presentation, Visuals and Animations.

Feedback comprises of punctuality, syllabus coverage, depth of subject, clarity of presentation, content beyond the syllabus and maintaining the discipline in the class, etc. The Class Review Committee (CRC) meeting will be conducted before mid exams to know the problems of students. CRC consists of all levels of students, subject teachers and HOD of concerned department .Student counseling also implemented in each class.

Academic audit is conducted to monitor the quality of teaching-learning along with other academic related activities .The external Academic and administrative audit is conducted by inviting experts from reputed academic institutes. ISO Audit is implemented since 2003.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://www.gnits.ac.in/iqac/aqar-reports/

6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)

A. Any 4 or all of the above

File Description	Documents
Paste the web link of annual reports of the Institution	https://www.gnits.ac.in/wp-content/uploads/2022/04/annual-report-2020-21.pdf
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

GNITS envisions the key gender roles of women for full participation in a spectrumof career opportunities, meaningful work, career advancement and active citizenshipand has initiated many forums and platforms for the women to stand square withmen. Women Protection Cell in collaboration with SHE TEAMS of Telangana stateensures safety and security for the women to exercise full freedom to pursuetechnical education. They are encouraged to take part in various technical and extra-curricular activities in equal competence with the other gender. To sensitize thestudents towards Gender issues a Mandatory Course on Gender Sensitization hasbeen offered during the 2nd Year First Semester of the four year B.Tech programme.A text book 'Towards the World of Equal' is prescribed and wide range of topics onGender issues are debated, discussed in the classroom settings. In collaboration withwomen wings like All India Women's Conference, SHE TEAMS students are involvedto take part in various events and activities as participants and volunteers. As part ofInternational Women's Day on March 8th International Women's Week is observedevery year and various workshops and training programmes, guest lectures are periodically conducted on Cyber Crimes, Physical Fitness and Self Defense.

File Description	Documents
Upload any additional information	[View File]()
Paste link for additional Information	https://www.gnits.ac.in/security/

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: Solar energy   Biogas plant Wheeling to the Grid   Sensor-based energy conservation Use of LED bulbs/ power-efficient equipment

A. Any 4 or All of the above

File Description	Documents
Geotagged Photographs	[View File]()
Any other relevant information	[View File]()

7.1.3 - Describe the facilities in the institution for the management of the following types of degradable and non-degradable waste (within a maximum of 200 words)

The waste management at G.Narayanamma Institute of Technology and Science is classified and categorised as follows with suitable ways of disposing them:

Solid waste include, 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.

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 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 off through vendors. There is a buy back policy for UPS and Xerox machines.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	**No File Uploaded**
Geotagged photographs of the facilities	<u>View File</u>
Any other relevant information	**No File Uploaded**

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus

A. Any 4 or all of the above

File Description	Documents
Geotagged photographs / videos of the facilities	<u>View File</u>
Any other relevant information	<u>View File</u>

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

A. Any 4 or All of the above

1. **Restricted entry of automobiles**
2. **Use of bicycles/ Battery-powered vehicles**
3. **Pedestrian-friendly pathways**
4. **Ban on use of plastic**
5. **Landscaping**

File Description	Documents
Geotagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	No File Uploaded

7.1.6 - Quality audits on environment and energy undertaken by the institution

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:

    C. Any 2 of the above

1. **Green audit**
2. **Energy audit**
3. **Environment audit**
4. **Clean and green campus recognitions/awards**
5. **Beyond the campus environmental promotional activities**

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	No File Uploaded
Certification by the auditing agency	No File Uploaded
Certificates of the awards received	View File
Any other relevant information	View File

7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human

    A. Any 4 or all of the above

**assistance, reader, scribe, soft copies of
reading materials, screen reading, etc.**

File Description	Documents
Geotagged photographs / videos of facilities	<u>View File</u>
Policy documents and brochures on the support to be provided	**No File Uploaded**
Details of the software procured for providing assistance	**No File Uploaded**
Any other relevant information	**No File Uploaded**

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e. tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic and other diversities (within a maximum of 200 words).

The institution believes in equality of all cultures and traditions as is evident from the fact that students belonging to different caste, religion, regions are studying without any discrimination. The institution promotes equal opportunities beyond class, creed and religion to all the students and the staff members. Though the institution has diverse socio-cultural background and different linguistic, we do not have any intolerance towards cultural, regional, linguistic, communal socio economic and other diversities. With great fervour the national festivals, birth anniversaries and memorials of great Indian personalities like Mahatma Gandhi, Mokshagundum Visveswaraya, Sarvepalli Radhakrishnan, are celebrated. National Integration and Communal Harmony week is observed every year as part of Flag Day on 7th December.

The institute is proactively taking efforts in providing an inclusive environment. The initiatives areto promote better education, economic upliftment of the needy and setting communal harmony. The extension activities are targeted towards enabling a holistic environment for student development Centre for Skill & Personality Development Program (SPDC) organizes Training Programs for SC/ST students on Soft Skills, Business Communications and career planning. The program was technically sponsored by AICTE, New Delhi. As part of 'Ek Bharath Sreshta Bharath' student cultural exchange programmes are promoted between different states.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	**No File Uploaded**

7.1.9 - Sensitization of students and employees of the institution to constitutional obligations: values, rights, duties and responsibilities of citizens:

G.Narayanamma Institute of Technology and Science(GNITS) Sensitizes the students and the employees to the constitutional obligations .GNITS create awareness about values, rights, duties and responsibilities and constantly works upon to make them as better citizens of the country through various curricular and extra-curricular activities .GNITS curriculum consists of courses to sensitize on constitutional obligations. Motivational lectures are arranged to 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 .These eminent personalities talk about freedom fighters and emphasize the duties and responsibilities of citizens. Cultural events are conducted during celebrations of every national festival in which patriotic songs and skits are played.

GNITS organized quiz competition on Indian constitution, on the occasion of constitutional day ,which consists of two rounds ,Written test and oral round .The college organized mock parliament on 26-11-21. 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	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	<u>View File</u>
Any other relevant information	<u>View File</u>

7.1.10 - The institution has a prescribed   **B. Any 3 of the above**

code of conduct for students, teachers, administrators and other staff and conducts periodic sensitization programmes in this regard: The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff Annual awareness programmes on the Code of Conduct are organized

File Description	Documents
Code of Ethics - policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims	View File
Any other relevant information	**No File Uploaded**

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

The founder member of the Institution Late Shri G.Pulla Reddy Garu was a visionary and a staunch patriot. The two National Festivals – Independence Day – 15th August, and the Republic Day – 26th January are celebrated in a befitting manner.

The following are the other important dates celebrated, commemorated in the college:

INTERNATIONAL WOMENS DAY on 8th March are celebrated every year with a week long activities and events.

ENGINEERS DAY on 15th September is celebrated giving Young Promising Engineer Award to the students who have done outstanding performance in their chosen field of study.

TEACHERS DAY on 5th September is celebrated by inviting an Eminent teacher of our Institution to felicitate in recognition of the distinct services and contribution to the education.

FLAG DAY and COMMUNAL HARMONY WEEK is celebrated every on 7th December.

CONSTITUTIONAL DAY is celebrated on 26TH November every year.

COMMUNAL HARMONY AND CAMPAIGN WEEK & FLAG DAY : 7th December is marked as Flag Day. Various events and competitions are organized as part of FLAGDAY Celebrations.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	View File
Geotagged photographs of some of the events	View File
Any other relevant information	**No File Uploaded**

7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

Title: Incentives and Encouragement to the faculty.

Objective:

To encourage and acknowledge the contribution of teachers R & D.

Context:

Faculty members with the given encouragement have been contributing to the research and development.

Practice:

1. **In sponsoring the candidates for faculty development programmes**
2. **In providing seed amount from Rs.10,000 to more than Rs.2 Lakhs to pursue projects and to procure infra structure.**
3. **In financially aiding the filing of patents.**

Evidence of Success:

More than 70% of the faculty members are benefiting from the

programme annually,

BEST PRACTICE - 2

Title :

ASSESSMENT OF NUTRITIONAL STATUS AND BODY COMPOSITION

Objective:

- **To assess nutritional status of the students.**

The context:

Provides an opportunity for the students to know their nutritional status and body fat content. Resting metabolic rate (RMR) information helps to identify the calorie needs of a person.

The Practice:

Using a device Fat analyser the weight, Fat percentage, BMI, body age, Resting Metabolic Rate and Visceral fat will be assessed and recorded.

Evidence of Success:

This data proved to be very useful to identify the malnourished students (Both underweight, over weight and obese).

The Challenge:

Limited infrastructure and human resources.

File Description	Documents
Best practices in the Institutional website	https://www.gnits.ac.in/why-gnits/#1648464088702-f982d8dd-9b39
Any other relevant information	https://www.gnits.ac.in/why-gnits/#1648464088693-318c4653-8ac3

7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

GNITS is the FIRST COLLEGE in the state of Telangana for starting Non Formal Sanskrit Education (NFSE) Center 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 2017with 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/scriptures. Under this programa One Year Certificate Course in Sanskrit Languageis being offered and good number of students, staff and civilian people from all walks of life – doctors, NGOs, Housewives enroll for the course.

GNITS is the ONLY COLLEGE across the country offering a specialized course Electronics and Telematics Engineering (ETE) under Jawaharlal Nehru Technological University, Hyderabad.

The thrust area of building transformative multi-faceted learning environment at GNITS is primarily embedded in its vision of creating 'a center of quality education in Engineering and Technology for women empowerment' through a plethora of 'beyond the curriculum' activities for promoting technical competencies and knowledge that is blended with right skills, attitude and values for life long success.

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.

At GNITS, in our efforts to support the reforms in engineering education, designed the curriculum with an inclination towards meeting the local, national, regional and global industry needs. In the 20% leverage given by the University in the autonomous status for variation in the syllabus, the institute has given total weightage to industry specific programme curriculum and course content, proposed, validated and recommended by the Board of Studies that includes industry personnel in all the departments. The Program Outcomes (POs) and the Program Specific Outcomes (PSOs) identified as the engineering attributes, have been aligned with the Course Outcomes (COs) to ensure attainment of domain-specific knowledge. Alumni members pursuing different career paths are made a part of the Boards of Studies, and mock-interviews, adding value to the industry-specific curriculum design.

The institutional mechanism for periodic stakeholder feedback on the technology upgradation has helped in making suitable changes to the content and pedagogy enabling the graduating engineers to face with confidence the industry demands in jobs. The institute encourages the faculty and the students to take NPTEL and MOOCS Certification courses to promote self-learning and awareness on the developments in their domains.

File Description	Documents
Upload additional information, if any	[View File](#)
Link for additional information	https://www.gnits.ac.in/academics/syllabus/

1.1.2 - Number of Programmes where syllabus revision was carried out during the year

3

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
Any additional information	View File

1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year

450

File Description	Documents
Curriculum / Syllabus of such courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	View File
MoUs with relevant organizations for these courses, if any	View File
Any additional information	View File

1.2 - Academic Flexibility

1.2.1 - Number of new courses introduced across all programmes offered during the year

41

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System

13

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
List of Add on /Certificate programs (Data Template)	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum

The college has been working for the holistic development of the students. Various courses like Gender Sensitization, Environmental Studies, Sports and NSS are offered as both credit courses and mandatory courses for all programmes to address issues such as Gender Equality, Sustainability, Human Values and Ethics. Disaster management and Environmental Impact Assessment are offered as open electives. A Unit on Human Values and Professional Ethics is covered in Behavioural Skills and Professional Communication.

A two-week induction programme is conducted for first year students to help them acclimatize with the system, develop a bonding with the fellow students and teachers, get sensitized towards various issues of curricular and social relevance and imbibe human values in them by resource persons from various realms. The NSS volunteers reach out to students of the government schools in the vicinity and offer career counselling encouraging the school children to aspire for higher education. Student Volunteers participate in Blood donation camps and the Pulse Polio programmes. Gender Sensitization course is offered in the second year acknowledging the centrality of gender in the making of citizens and civil society. Environmental Studies offers an understanding of the importance of ecological balance for sustainable development.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	View File
Any additional information	View File

1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

6

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	View File
Any additional information	View File

1.3.3 - Number of students enrolled in the courses under 1.3.2 above

922

File Description	Documents
List of students enrolled	View File
Any additional information	View File

1.3.4 - Number of students undertaking field work/projects/ internships / student projects

1892

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	View File

1.4 - Feedback System

1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni	A. All 4 of the above

File Description	Documents
Provide the URL for stakeholders' feedback report	https://www.gnits.ac.in/curriculum-feedback/
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	View File

1.4.2 - The feedback system of the Institution comprises the following	A. Feedback collected, analysed and action taken made available on the website

File Description	Documents
Provide URL for stakeholders' feedback report	https://www.gnits.ac.in/curriculum-feedback/
Any additional information	View File

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

2.1.1.1 - Number of students admitted (year-wise) during the year

864

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

2.1.2 - Number of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per the reservation policy during the year (exclusive of supernumerary seats)

345

File Description	Documents
Any additional information	View File
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses students' learning levels and organises special programmes for both slow and advanced learners.

The students from different backgrounds with diverse socio-economic and disparate levels of knowledge and skills are admitted into this institution, hence their learning capabilities are different. Upon students admission , a three week Induction program is conducted to orient the students towards professional courses and professional communication improving their language skills .The slow learners are identified based on the analysis in the 1stinternal examination for each semester and cumulative CGPA. Based on their proficiency and competency levels the students are given assistance in the form of extra coaching. The students are given remedial classes. Based on the first internal marks in each semester the students are categorised into two groups:

- **Slow Learners (less than 40%)**
- **Advanced Learners (85% and above)**

Measures taken for slow learners

1. **Conduction of remedial classes**
2. **Bridge courses for lateral entry students**
3. **Regular follow up – Individual subject teachers clarify the doubts, provide them unit wise question bank with focus on fundamentals.**
4. **Mentoring**

Encouragement for advanced learners

1. **Internships – Students are shortlisted for company internships based on their academic performance.**

2. **Value Added Courses and Hackathons**
3. **Paper Presentations / Publications by Students with financial support by the college to publish papers.**

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://www.gnits.ac.in/wp-content/uploads/2021/12/lecture-notes-2.pdf

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
01/06/2020	3136	197

File Description	Documents
Upload any additional information	[View File](#)

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 experiences:

As per the Choice Based Credit System , apart from the traditional teaching-learning methods, the institute is providing platform for students to explore the options in elective subjects of their choice while innovative student centric methods such as 1.Hackathons 2. Workshops 3. Seminars 4. Virtual Lab 5.Simulation 6. Role play 7. Review web literature 8. Video 9. Demonstration 10. Activity-based learning 11. Jigsaw 12. Think-Pair-Share 13. Flipped Classroom 14.Plicker 15. Guest lecture 16. Professional practice school 17. GD/ debate 18. Peer learning groups 19. MOOCs 20. Google Classroom 21. Project- based learning 22. Real-time case studies 23. Worksheets 24. PPT 25. Kahoot 26. Mind map 27. Journal Review 28. Pogil 29. Open book test 30. Proto-type model 31. Cross words 32. Research projects 33. Language games 34. Viva 35. Poster presentation 36. Public Speaking are used to encourage Participative, Problem solving and Experiential learning. Due to pandemic conditions, some of these methods were implemented in AY 20-21. The methods with S.Nos 1,2,3,4,5,6,7,27 caters to experiential learning,

S.No. 8,9,10,11,12,13,14,15,16,17,18,19,20,24,25,26,28,33,35 caters to participative learning while S.Nos. 21,22,23,29,30,31,32,34,36 cater to the problem solving skills.

File Description	Documents
Upload any additional information	[View File](#)
Link for additional Information	https://www.gnits.ac.in/wp-content/uploads/2022/05/2-3-1-link-data.pdf

2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

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 termlearning and future referencing using Impartus platform

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://www.gnits.ac.in/facilities/
Upload any additional information	View File

2.3.3 - Ratio of students to mentor for academic and other related issues

2.3.3.1 - Number of mentors

158

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	View File
Circulars with regard to assigning mentors to mentees	View File

2.3.4 - Preparation and adherence to Academic Calendar and Teaching Plans by the institution

Academic Calendar: At the beginning of every academic year, Controller of Exams (CoE) prepares an academic calendar which includes course registration and 16 weeks of instruction with examination schedule dates mentioned for staff and students ahead of semester beginning. The academic calendar is displayed on all the department notice boards, and is also made available on the college web site. Based on this, the academic activities and Extra-curricular activities are planned.

Teaching Plans: HOD allocates subjects to the faculty after collecting the electives choice from students .The respective faculty prepares 'Course Plan' with number of hours required to complete each unit, content beyond syllabus. The academic

diary in attendance register contains the execution date of topics . laboratory course plan indicates the number of experiments with dates for each experiment along with manual. The record is evaluated regularly and also slip test is being conducted weekly by allocating marks. Faculty prepares notes unit wise. Course plans is appended to the attendance registers for ready reference. The academic diary is updated in ecap software . Any deviation of academic performance and attendance from normalcy is noted ,corrective and preventive action is initiated through counselling .

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	View File

2.4 - Teacher Profile and Quality

2.4.1 - Number of full-time teachers against sanctioned posts during the year

197

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File
List of the faculty members authenticated by the Head of HEI	View File
Any additional information	View File

2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year

52

File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	View File
Any additional information	View File

2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)

2040

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
Any additional information	View File

2.5 - Evaluation Process and Reforms

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

40

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	View File
Any additional information	View File

2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year

64

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	View File
Upload any additional information	View File

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

The GNITS has been continuously carrying out of reforms in its examination procedure through integration of IT in all

the procedures and processes of the examination system. IT has modernized the entire examination process and has speeded up the functioning mechanism, while making the whole process more transparent. At the same time we have configured Self Service portal for all stakeholders (students and colleges principal, Departmental Heads) for smooth holding of e-cap software and Processing Software enabled examination process like examination forms and hall tickets generation., approval process, Online Admit card generation, internal marks filling, results declaration and grade card generation and online filling of student details.

The performance of students in each semester shall be evaluated Subject-wise from the year 2018 onwards for UG and PG students. Currently the evaluation pattern is 30% CIE (Continuous Internal Evaluation) and 70% SEE (Semester End Examination) and a Letter Grade corresponding to the % of marks obtained.There is a provision for recounting, revaluation and re-verification for the students. In case, if any student applies for re-evaluation it will be evaluated by an external faculty and awarded accordingly. More details are provided in the additional information

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional Information	https://www.gnits.ac.in/wp-content/uploads/2021/12/2-5-3-exam-section-procedures.pdf

2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme Outcomes and Course Outcomes for all Programmes offered by the institution are stated and displayed on the website and communicated to teachers and students

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 and CO's in order i.e., attainment of CO's leads to the attainment of PO's and PEO's etc. The program outcomes (PO'S) are derived from the 12 GA's (graduate attributes) which are prescribed by AICTE 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 viz 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. The attainments of POs and PSOs is from complete curriculum subjects.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	View File
Link for additional Information	https://www.gnits.ac.in/wp-content/uploads/2022/06/co-attainment.pdf

2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

The Program Outcomes (POs) / Program Specific Outcomes (PSOs) are the qualities that must be imbibed in the graduates by the time of completion of their programme. At the end of each programme, the PO/PSO assessment is done from the CO attainment of all curriculum components. Each course has defined set of course outcomes and corresponding evaluation criteria. The course outcomes are mapped to the program outcomes which are used to provide the quantitative measurement of how well the program outcomes are achieved. With the help of CO against PO/PSO mapping, the PO/PSO attainment is calculated. These attainments are based on the mapping levels of COs with POs and PSOs. The final attainments of COs are indication of the subject content delivery and grasping of the same by students. This

attainment comprises of two components: internal attainment and external attainment. The marks obtained in internal exams is internal attainment. Similarly, external marks are external attainment. For UG Courses (R-16 Regulations), direct attainment is calculated by considering 25 marks for internal examinations and 75 marks for external examinations. For PG courses(GNR-18 Regulations), direct attainment is calculated by considering 30 marks for internal examinations and 70 marks for external examinations.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional Information	https://www.gnits.ac.in/wp-content/uploads/2022/05/2-6-2-po-attaionment.pdf

2.6.3 - Pass Percentage of students

2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution

741

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	[View File](#)
Upload any additional information	[View File](#)
Paste link for the annual report	https://www.gnits.ac.in/wp-content/uploads/2022/05/exam-section.pdf

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire). Results and details need to be provided as a weblink

https://www.gnits.ac.in/wp-content/uploads/2021/12/2-7-1_student-satisfaction-survey.pdf

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

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

At GNITS, the faculty members are encouraged to involve in cutting edge research and have publications in high impact international journals. They are also facilitated to interact with industry and research community to enhance the knowledge and contribute for technology development for the benefit of society.

College has 54 Doctorates and 15 are recognized as supervisors from various universities like JNTUH, OU, KL University, VIT University etc. 19 scholars were awarded Ph.D and 37 are pursuing research under the guidance of the supervisors from the college. Faculty published 124 scientific and technical papers in International and National journals.

23.90 lakhs of SEED grant facilitated faculty to be active in research and consultancy activities. 20 research proposals and 8 patents are filed with the state of art infrastructure provided to faculty, collaboration and interdisciplinary activities. GNITS received 36.56 lakhs from various government agencies like AICTE, DST etc during the current academic year. MiraiNxt, an initiative of GNITS incubation, innovation and entrepreneurship is started in 2021 for hand-holding future development in deep tech, fintech, health tech, edtech and sustainable impact verticals, to name a few.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	https://www.gnits.ac.in/wp-content/uploads/2022/03/3-1_researchpolicy_15_12-4.pdf
Any additional information	View File

3.1.2 - The institution provides seed money to its teachers for research

3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)

23.90358

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	View File
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	View File
List of teachers receiving grant and details of grant received	View File
Any additional information	View File

3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year

0

File Description	Documents
e-copies of the award letters of the teachers	No File Uploaded
List of teachers and details of their international fellowship(s)	View File
Any additional information	No File Uploaded

3.2 - Resource Mobilization for Research

3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)

37.66197

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	View File
List of projects and grant details	View File
Any additional information	View File

3.2.2 - Number of teachers having research projects during the year

16

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.gnits.ac.in/research-projects/
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

15

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	View File
Institutional data in Prescribed format	View File

3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year

4

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	https://www.gnits.ac.in/wp-content/uploads/2022/04/3-2-4-links.pdf
Any additional information	View File

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc.

Dedicated centers for research, innovation and creation, entrepreneurship, community orientation and incubation establish a strong innovation ecosystem among faculty and students.

With the encouragement from management through SEED funding, the faculty and students are proactively carrying out research and 10 research projects are sanctioned under various government and non-government agencies for the academic year 2020-2021.

I-Cell is active in organizing various events like boot camps, idea generation workshops etc., with industry experts as mentors. A center for research in AI&ML is established to provide hands-on experience to support innovation. Two hackathons and one idea pitching contest are organized.

EDC Cell foster better linkages between the Parent Institution and other related organizations engaged in promoting Small & Medium Enterprises (SMEs) including MSME, NGOs and other Voluntary Organizations. 12 seminars/workshops are organized in 2020-21.

Many student clubs are formed and are actively involved in community services. 26 outreach programs are conducted by the institution through NSS/NCC/Red Cross/YRC etc. and 2569 students are involved in those activities.

MIRAINXT is an Incubation Centre is established to facilitate students for exploring the landscape of diverse perspectives. This year three new startups were supported and the GNITS

students are offered internships.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://www.gnits.ac.in/wp-content/uploads/2022/04/3-3-1-links.pdf

3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

33

File Description	Documents
Report of the events	[View File](#)
List of workshops/seminars conducted during the year	[View File](#)
Any additional information	[View File](#)

3.4 - Research Publications and Awards

3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software	**A. All of the above**

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	[View File](#)
Any additional information	[View File](#)

3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year

3.4.2.1 - Number of PhD students registered during the year

56

File Description	Documents
URL to the research page on HEI website	https://www.gnits.ac.in/academic-research-and-research-facilities/
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	View File

3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year

1.425

File Description	Documents
List of research papers by title, author, department, and year of publication	View File
Any additional information	View File

3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year

1.564

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.gnits.ac.in/wp-content/uploads/2022/05/3-4-4-additional-info.pdf

3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

3.4.5.1 - Total number of Citations in Scopus during the year

310

File Description	Documents
Any additional information	View File
Bibliometrics of the publications during the year	View File

3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

3.4.6.1 - h-index of Scopus during the year

13

File Description	Documents
Bibiliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	View File

3.5 - Consultancy

3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)

20.93256

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	View File
List of consultants and revenue generated by them	View File
Any additional information	View File

3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year

14.82364

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	View File
List of training programmes, teachers and staff trained for undertaking consultancy	View File
List of facilities and staff available for undertaking consultancy	View File
Any additional information	View File

3.6 - Extension Activities

3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development, and the impact thereof during the year

GNITS has various extension and outreach programs in association with NSS, Rotaract Club, Street Cause and many other organizations in Hyderabad thus making students a part of a caring society.

Students have organised many virtual and on site events in the academic years 2020-2021. 2569 students from various departments have taken part in nearly 26 activities. The activities and programs organised and or conducted were under various umbrellas ranging from self-awareness programs to donations, volunteering activities to empowering the needy. Students volunteered in food distribution, blood donation, procuring and distributing covid related medical kits etc. They have taken up different activities like building water tanks and toilets in some of the nearby villages, distributing groceries, stationery materials, blankets under NSS and StreetCause Hyderabad, deputed students as scribes for blind schools etc,. Students are also empowered themselves in staying mentally and physically fit by participating in various virtual yoga and wellness programs, sensitized on social issues such as traffic regulations, anti-ragging, cybercrimes, self-defense and fine arts.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://www.gnits.ac.in/student-clubs/

3.6.2 - Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government-recognised bodies during the year

21

File Description	Documents
Number of awards for extension activities in during the year	[View File](#)
e-copy of the award letters	[View File](#)
Any additional information	[View File](#)

3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc. during the year (including Government-initiated programmes such as Swachh Bharat, AIDS Awareness, and Gender Sensitization and those organised in collaboration with industry, community and NGOs)

26

File Description	Documents
Reports of the events organized	[View File](#)
Any additional information	[View File](#)

3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year

2569

File Description	Documents
Reports of the events	[View File](#)
Any additional information	[View File](#)

3.7 - Collaboration

3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work

81

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	View File

3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)

15

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	View File
Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year	View File
Any additional information	View File

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching-learning, viz., classrooms, laboratories, computing equipments, etc.

G. Narayanamma Institute of Tech. & Sc. (for women) is centrally located in the city of Hyderabad, and has an appealing, functional, and eco-friendly landscape, spread over 12.5 acres.

Classrooms

The institution has well-ventilated, illuminated, spacious and well-furnished classrooms each with a capacity of 70-75. Equipped with adequate furniture and power backup.

Technology Enabled Learning Rooms

The Institution has Smart Classrooms that are equipped with LCD Projector, Smart interactive board, Wi-Fi, and Audio & Video facilities. There are classrooms with IMPARTUS Lecture Capturing facility.

Seminar Halls

The Institution has huge seminar halls, one in the Main Administrative Block with 320 seating capacity, 2 halls in the Library Block with a seating capacity of 180 & 300. There are 3 departmental Seminar Halls which have LCD Projectors, Whiteboards, raised platforms, public address systems and internet facility.

Laboratories

The institution has well-equipped laboratories for imparting practical knowledge. Along with the regular curricular labs, the institution has established COEs in collaboration with industry that would aid in skill upgradation in advanced technologies.

Computing Equipment:

A Central Computing Centre with 40 Desktop Computing Systems is functioning from 9.00 a.m. to 6.30 p.m. on all working days and 8.00 a.m. to 6.00 p.m. on Sundays.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://www.gnits.ac.in/

4.1.2 - The institution has adequate facilities for cultural activities, yoga, sports and games (indoor and outdoor) including gymnasium, yoga centre, auditorium etc.)

The college is ensuring effective utilization of the facilities for extra-curricular activities by the students. Intra Activities as well as Inter college meets, are held to encourage the spirit of sportsmanship among the students.

Sports & Games

A spacious Indoor Sports Room, with an area of 726 Sq.mt, is

equipped with facilities to play Table tennis, Chess and Carroms. An Indoor badminton stadium with two wooden courts is built in the campus. Adequate outdoor infrastructure, in an area of 12,142 Sq.mt, is available for Volleyball, Throwball, Basketball, Kho Kho, Kabaddi and Handball. Facilities for sports such as long jump, short put, and disc throw are made available.

Gymnasium

A Fitness wing with 8 station gym has been established with latest Exercise-Cycle, Twisters, Ab-Slimmer, 1 Threadmill, 2 Cross Trainers, 2 Exercise Cycles, Dumbbells, Toning Tubes, Thera bands, Medicine Balls etc. An outdoor, Open gym is built providing 17 gym equipment placed at 2 locations, one in the playground and the other in the college Hostel premises.

Yoga

A 320 capacity Seminar Hall and Open Lawn of the administrative building is made available for instruction and practice of Yoga. An audit course titled 'Stress Management by Yoga' is offered in M. Tech.

File Description	Documents
Geotagged pictures	View File
Upload any additional information	View File
Paste link for additional information	https://www.gnits.ac.in/facilities/sports-2/

4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities

51

File Description	Documents
Upload any additional information	View File
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

4.1.4 - Expenditure for infrastructure augmentation, excluding salary, during the year (INR in Lakhs)

391.78

File Description	Documents
Upload audited utilization statements	View File
Details of Expenditure, excluding salary, during the years	View File
Any additional information	View File

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS)

Central Library Details:

- **Name of the ILMS Software : e-Cap**

- **Nature of automation (fully or Partially): Fully**

- **Version : 5**

- **Year of automation : 2000**

Online Public Access Catalogue (OPAC) : Open for all students and staff through Online Public Access Catalogue

- **OPAC Provides the access to the GNITS Library database.**
- **OPAC allows the users to know the library collection and the status of the Library Resources.**
- **OPAC allows the users to search the database by Title,**

Author, Accession Number of the document/book
- User can access GNITSOnline Public Access Cataloguefrom any computer connected to the GNITS- LAN

CIRCULATION: Issue and Return will take place in this section.

Processing section : In the processing section all the updates of the GNITS Library Book

Stock data base will take place.

Phase

Period

Up gradation

Phase -I

2000-2009

Clarity

Phase -II

2010 – 2018

e-Cap Verion-4

Phase-III

2018- Till

Up graded to Version-5

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	http://43.225.26.108/ecap/Default.aspx

4.2.2 - Institution has access to the following: e-journals e-ShodhSindhu Shodhganga Membership e-books	A. Any 4 or more of the above

Databases Remote access to e-resources

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	*View File*
Upload any additional information	*View File*

4.2.3 - Expenditure on purchase of books/ e-books and subscription to journals/e-journals during the year (INR in lakhs)

9.18

File Description	Documents
Audited statements of accounts	*View File*
Any additional information	*View File*
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	*View File*

4.2.4 - Usage of library by teachers and students (footfalls and login data for online access)

4.2.4.1 - Number of teachers and students using the library per day during the year

450

File Description	Documents
Upload details of library usage by teachers and students	*View File*
Any additional information	*View File*

4.3 - IT Infrastructure

4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities

1. **GNITS is a WiFi enabled campus. Over the years it was upgraded to 200 Mbps and then to 500 Mbps in April**

2021.
2. There are a total of 92 WiFi access ports in the campus.
3. UPSs and 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 1346 systems to students in the college.
6. The campus has 17 computer centers optimally networked to cater to the academic requirements of the students of all branches. The student to computer ratio is 2.33:1.
7. All the systems are configured with windows equipped with essential softwares and firewalls for cyber security.
8. There are 80 Projectors around the campus in classrooms and seminar halls.
9. Five Ingress Interactive Boards CS-85 along with Hitachi CPAX 3005 Projectors are installed one each in the departments to assist in smart learning.
10. Impartus Lecture Capture Solution is installed in 10 classrooms at GNITS to record daily lectures in the class rooms.

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

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://www.gnits.ac.in/it-facilities-upgrade/

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
3136	1346

File Description	Documents
Upload any additional information	[View File](#)

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus	A. ?50 Mbps

File Description	Documents
Details of bandwidth available in the Institution	View File
Upload any additional information	View File

4.3.4 - Institution has facilities for e-content development: **Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing**	C. Any two of the above

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.gnits.ac.in/wp-content/uploads/2022/05/4-3-4_additional-information.pdf
List of facilities for e-content development (Data Template)	View File

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of physical and academic support facilities, excluding salary component, during the year (INR in lakhs)

326.779

File Description	Documents
Audited statements of accounts	View File
Upload any additional information	View File

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities – classrooms, laboratory, library, sports complex,

computers, etc.

Maintenance Policy:

The College has well established procedure of utilizing academic and support facilities is organised by model type like buildings, ICT-enabled classrooms, laboratory & playgrounds.

Physical Facilities:

Electrical Maintenance:

The institution has Generator, UPS, and Batteries for continuous supply of electricity. In-house team and AMC in the event of a major break down.

Furniture Maintenance:

The Mechanical Department maintains in-house services such as fabrication, repairs, procurement of Furniture to the Departments & Hostels.

Network Maintenance:

Network Administrator in IT Department's monitor, upgrade the existing intranet and internet facilities. Telephone and intercom facilities maintained by a outsource technicians.

Academic Facilities:

Library:

Library issues text books, reference books, journals to students & faculty. Digital library caters e-books, e-journals & online resources that can be utilized within the library.

Classrooms & Laboratories:

The classroom maintenance done by the faculty in-charge peridically. Electrical, LCD projectors, LAN connection in the classrooms will be checked periodically. Laboratory equipment are maintained by Departmental Technicians

Sports:

The playground & Gym facilities are regularly available to develop the nutritious personality of all the students and maintained under supervision of Physical Director.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://www.gnits.ac.in/wp-content/uploads/2022/05/4-4-2.pdf

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year

1241

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	[View File](#)
Upload any additional information	[View File](#)

5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year

1636

File Description	Documents
Upload any additional information	[View File](#)
Institutional data in prescribed format	[View File](#)

5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in	**A. All of the above**

Technology

File Description	Documents
Link to Institutional website	https://www.gnits.ac.in/capacity-and-skill-development/
Details of capability development and schemes	View File
Any additional information	View File

5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year

2561

File Description	Documents
Any additional information	View File
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees	A. All of the above

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	View File
Details of student grievances including sexual harassment and ragging cases	View File
Upload any additional information	View File

5.2 - Student Progression

5.2.1 - Number of outgoing students who got placement during the year

497

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File

5.2.2 - Number of outgoing students progressing to higher education

13

File Description	Documents
Upload supporting data for students/alumni	View File
Details of students who went for higher education	View File
Any additional information	View File

5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year

5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year

138

File Description	Documents
Upload supporting data for students/alumni	<u>View File</u>
Any additional information	<u>View File</u>

5.3 - Student Participation and Activities

5.3.1 - Number of awards/medals for outstanding performance in sports and/or cultural activities at inter-university / state /national / international events (award for a team event should be counted as one) during the year

6

File Description	Documents
e-copies of award letters and certificates	<u>View File</u>
Any additional information	<u>View File</u>

5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution

The students have active representation in academic and administrative committees of the Institute. There are totally 38 committees, out of them 26 committees have active student participation and involvement in various activities conducted by the committees. The Institute has a Student Council constituted with two faculty advisors and 104 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 student concerned activities.

There are technical associations at institution level like ISTE and IEEE. Under these, more than 50 student coordinators actively involve in organizing various technical events and co-curricular activities every year under the guidance of faculty coordinators. Students have strong representation not only in academics but also in cultural, literary and sports committees. They actively involve in organizing various sports competitions and fitness programmes every year. The formation of various committees has enabled the student body to partake in the activities of hostel, library, anti-ragging, transport, canteen etc. and play a very important role in most of the academic and administrative committees.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.gnits.ac.in/wp-content/uploads/2022/04/list-of-student-committees-2020-21.pdf

5.3.3 - Number of sports and cultural events / competitions organised by the institution

33

File Description	Documents
Report of the event	View File
List of sports and cultural events / competitions organised per year	View File
Upload any additional information	View File

5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute significantly to the development of the institution through financial and other support services

Alumnae Association of G. Narayanamma Institute of Technology & Science is named as "GNITS Alumnae Association" with a registered number 55 of 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., The Alumnae of the institute is the conglomeration of entrepreneurs, professionals and bureaucrats catering to the society in various designations. GNITS Alumnae Annual Meet named as TU TURNO is organized on the first Saturday of January every year.

Mission of The Alumnae Association

To reunite former students of the college occasionally and to provide alumnae service, support to the institute's mission of teaching and lifelong learning.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional Information	https://www.gnits.ac.in/wp-content/uploads/2021/12/20-21-2.pdf

5.4.2 - Alumni's financial contribution during the year	C. 5 Lakhs - 10 Lakhs

File Description	Documents
Upload any additional information	[View File](#)

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the Institution

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.

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 administration is overseen by the Governing body which is constituted as per the statutory provisions. Two faculty members (on rotation basis) are included as members of Governing Body and make active contributions for academic growth and improvements in the service matters of the employees. Many senior faculty members occupy pivotal administrative positions like Deans, Hostel coordinator, Controller of Examinations etc., and are also members of various decision making and administrative bodies.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional Information	https://www.gnits.ac.in/vision-mission/

6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

The college involves all the stakeholders in decision making process for framing guidelines and rules & regulations to ensure smooth and systematic functioning of the institute. Budgetary provisions for the departments are made based on the inputs provided by the HOD. The Principal Look after the academic administration and creates an environment for effective learning of students. The institution has in place several Committees to continuously monitor the academic and administrative activities. The committees comprise of key stakeholders including faculty, staff, industry, employer, alumni, parents and students.

All the Heads of the Department are members of the College Academic Committee where major Academic/Administrative decisions are taken. Many senior faculty members and staff occupy pivotal administrative positions like the Deans, Training and Placement Officer, IQAC coordinator, Hostel Coordinator, Controller of Examinations etc.

At the department level, decisions are taken by various

department level Committees. The faculty are actively involved in decision making process. As part of the Departmental Advisory Committee (DAC) and Programme Assessment Committee (PAC), the faculty provide their inputs on all academic related and other departmental matters .In these committees senior faculty members apart from external experts give their advises for all round development of respective department.

File Description	Documents
Upload strategic plan and deployment documents on the website	[View File](#)
Upload any additional information	[View File](#)
Paste link for additional Information	https://www.gnits.ac.in/strategic-plan/

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented

The college has a comprehensive strategic plan for all-round development of the college for academic year 2020-2021 with three broad objectives.

1. Excellence in Teaching and Learning Environment
2. Comprehensive Student Development
3. Excellence in R&D

GNITS faculty use modern tools such as animation, simulation and virtual tools in teaching apart from conventional methods. Teachers handling analytical subjects Take tutorial classes for better learning of subjects. GNITS encourages staff and students to complete self -learning courses. All these strategies helped students to get better results for the academic year 2020-21.

GNITS setup departmental professional bodies for all round development of students and organizes seminars and guest lectures with experts. GNITS Establishes different student clubs for co-curricular and extracurricular activities. support students for NSS and other societal beneficial activities.

The faculty members who are pursuing Ph.D. are encouraged and motivated to complete their Ph.D. Incentives are given to the faculty for quality articles and publication cost would be reimbursed. GNITS Encourages faculty to apply for funding of various research projects. College support the faculty by reimbursing the expenses incurred in filing the patent. The number of Ph.Ds, research projects, publications, patents are increased with these strategies.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://www.gnits.ac.in/strategic-plan/
Upload any additional information	View File

6.2.2 - The functioning of the various institutional bodies is effective and efficient as visible from the policies, administrative set-up, appointment and service rules, procedures, etc.

The Institution has a well-structured administrative setup. The governing body is the highest decision-making body, which gives constructive suggestions to the management for effective decision making and to meet the Vision, Mission of the college. Various committees are constituted to share the responsibility for the orderly functioning of the Institution under the guidance of the Principal. These committees includes Governing Body, College Academic Council, Boards of Studies, Finance Committee, Grievance and redressal Committee, Purchase committee, Transport committee, Library Committee, Anti-Ragging Committee, Etc.. The Institution has a set of well-defined service-rules and regulations. Different policies like Recruitment policy, Promotional Policy, etc. are formed for effective running of college.

The Grievance Redressal Committee is constituted to consider all the individual grievances of students and staff. The students and faculty with a genuine grievance may approach the grievance redressal committee to submit his/her grievance in writing to the Convener, Grievance redressal committee of GNITS. The web-based grievance redressal mechanism is also provided.

All the recruitments are made transparent duly advertising

the posts in leading dailies/online and conducting interviews involving external experts. Promotions are accorded as per the norms taking the faculty qualifications and their contributions into consideration.

File Description	Documents
Paste link to Organogram on the institution webpage	https://www.gnits.ac.in/organisation-chart/
Upload any additional information	View File
Paste link for additional Information	https://www.gnits.ac.in/about-us/service-rules/

6.2.3 - Implementation of e-governance in areas of operation: Administration Finance and Accounts Student Admission and Support Examination	**A. All of the above**

File Description	Documents
ERP (Enterprise Resource Planning) Documen	View File
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression

Welfare schemes and financial support to Teaching staff and Non-Teaching Staff:

1. **EPF for the staff @12% of basic contributions of Employer and employee**
2. **ESI benefits Non-teaching staff @4% of basic.**
3. **Gratuity for staff up to 10 lakhs disbursed to the retired or resigned.**

4. Reimbursement of 5000/- of premium for Medical Insurance.
5. Personal Accidental Policy with a coverage of 5 Lakhs per member for all staff every year.
6. Gifts to the Staff during Special Occasions and Festivals Advances
7. Donations to any Staff whose family is in a medical emergency.
8. Subsidized Transportation Fee for the Staff: bus routes operating in Hyderabad city.

Avenues for the career development /progression of Staff:

1. 10 Academic Leaves per annum towards the professional development. for attending Seminars, Training Programs, Workshops, or any other academic exams to be attended.
2. Encouragement for paper Publications/Presentations by giving incentives to publish in journals.
3. For Ph.D., awardees allowance of 3000/- to Assistant Professors & 4000/- per month for Associate Professors.
4. Financial support to staff to attend seminars/ workshops towards Registration fee.
5. Library books are issued to the staff to enhance their skills and knowledge.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://www.gnits.ac.in/welfare-measures-and-its-outcomes/

6.3.2 - Number of teachers provided with financial support to attend conferences / workshops and towards payment of membership fee of professional bodies during the year

73

File Description	Documents
Upload any additional information	[View File](#)
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	[View File](#)

6.3.3 - Number of professional development / administrative training programmes organized by the Institution for its teaching and non-teaching staff during the year

13

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	[View File](#)
Upload any additional information	[View File](#)

6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)

170

File Description	Documents
Summary of the IQAC report	[View File](#)
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	[View File](#)
Upload any additional information	[View File](#)

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

The Institute has a system of internal as well as external audit. Internal audit is an ongoing continuous process and the institute has its own internal audit mechanism. The Books of Accounts of the Institute are audited by the Internal

Audit team. As per stipulated provisions of the Income Tax Act, statutory audit is conducted once in a year by the External Auditors

External Auditors have been appointed by the institution as per the statutory requirement. The External Auditor conducts audit in accordance with the Generally Accepted Accounting Policies, applicable Financial Reporting Framework, Statutory Provisions and regulations, etc.

The Auditor conducts audit in compliance with the standards on auditing issued by the ICAI. Auditor conduct audit and draws conclusion on the Financial Statements. Their main role is examination of the validity of financial records of the college to find out if there are any discrepancies in the records because of error or embezzlement. It increases the authenticity and credibility of financial statements. An external audit also reviews financial statements, such as balance sheets to certify that they present the entities of finances accurately.

File Description	Documents
Upload any additional information	[View File]()
Paste link for additional information	https://www.gnits.ac.in/wp-content/uploads/2022/03/audit-report-2021.pdf

6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists during the year (not covered in Criterion III and V) (INR in lakhs)

0

File Description	Documents
Annual statements of accounts	No File Uploaded
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	View File
Any additional information	No File Uploaded

6.4.3 - Institutional strategies for mobilisation of funds and the optimal utilisation of

resources

Mobilisation of Funds:

The main financial resource for the Institute is by way of tuition fee. The tuition fee is fixed based on the previous year's expenditure and the impact of the inflation in the next three years. The institution furnishes all the relevant details of the expenditure and projections for every three years to the State Fee Regulatory Committee which fixes the tuition fee of the Institute once in three years.

Optimal utilisation of resources:

An annual budget is prepared to ensure optimal utilisation of financial resources, based on the estimates received from the departments and functional units of the Institute.

The funds are utilized for approved academic expenses and administrative expenses as per the norms. Major proportion of funds is allocated for remuneration to the teaching professionals and administrative staff members. Purchases are made with the recommendations of Purchase Committee. The amounts withdrawn from the banks follow a systematic mechanism of obtaining the approval at various levels.

Audit is performed periodically to ensure that the budget is optimally utilized for the purpose it is intended. The resources in the form of facilities and equipment are maintained to ensure optimum performance.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional Information	https://www.gnits.ac.in/finance-committee/

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

The IQAC Cell was set up in the year 2012 in College. Internal Quality Assurance Cell (IQAC) is responsible for Development and application of quality benchmarks for various academic and administrative activities of the institution.

The college institutionalizes IQAC initiatives and corrective measures. Four such practices institutionalized as a result of IQAC initiatives after I cycle are:

1.Implementation of outcome based education

Outcome Based Education (OBE) model is implemented in GNITS from the academic year 2014-15 with the initiatiation of IQAC. OBE helped teachers to plan the course delivery and obtain CO,PO attainments.

2.Bar-coding and Automation in the Examination Process

The examination section has procured the automation software from Sharp Micro Technologies (India) in the year 2019. The software possesses pre & post examination modules to automate tasks.

3. Institutionalization of Online Certification Courses

IQAC motivated Staff&Students to take up the online courses offered by various MOOCs platforms such as NPTEL, COURSERA, etc. to gain the domain knowledge.

4. Implementation of Blooms taxonomy

IQAC initiated blooms taxonomy for all subjects during conduction of Mid Examinations in the year 2017. It is also suggested to set question papers covering various levels of blooms taxonomy.

File Description	Documents
Upload any additional information	[View File]()
Paste link for additional information	https://www.gnits.ac.in/iqac/aqar-reports/

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals through its IQAC as per norms

IQAC of GNITS is adopting a well-defined review mechanism of Teaching-Learning process through

1. Performance Based Appraisal System (PBAS)
2. online feedback Mechanism
3. Academic & ISO audits

IQAC Review the Teaching learning process through PBAS and Online Feedback mechanism. The PBAS system covers Teaching and learning ,R&D and additional work done by the faculty member. Seperate format of PBAS is used for non-teaching staff. The Course file of teacher includes lesson plans along with teaching methodologies such as ICT based Teaching like Power Point Presentation, Visuals and Animations.

Feedback comprises of punctuality, syllabus coverage, depth of subject, clarity of presentation, content beyond the syllabus and maintaining the discipline in the class, etc. The Class Review Committee (CRC) meeting will be conducted before mid exams to know the problems of students. CRC consists of all levels of students, subject teachers and HOD of concerned department .Student counseling also implemented in each class.

Academic audit is conducted to monitor the quality of teaching-learning along with other academic related activities .The external Academic and administrative audit is conducted by inviting experts from reputed academic institutes. ISO Audit is implemented since 2003.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://www.gnits.ac.in/iqac/aqar-reports/

6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by	A. Any 4 or all of the above

state, national or international agencies (such as ISO Certification)	

File Description	Documents
Paste the web link of annual reports of the Institution	https://www.gnits.ac.in/wp-content/uploads/2022/04/annual-report-2020-21.pdf
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

GNITS envisions the key gender roles of women for full participation in a spectrumof career opportunities, meaningful work, career advancement and active citizenshipand has initiated many forums and platforms for the women to stand square withmen. Women Protection Cell in collaboration with SHE TEAMS of Telangana stateensures safety and security for the women to exercise full freedom to pursuetechnical education. They are encouraged to take part in various technical and extra-curricular activities in equal competence with the other gender. To sensitize thestudents towards Gender issues a Mandatory Course on Gender Sensitization hasbeen offered during the 2nd Year First Semester of the four year B.Tech programme.A text book 'Towards the World of Equal' is prescribed and wide range of topics onGender issues are debated, discussed in the classroom settings. In collaboration withwomen wings like All India Women's Conference, SHE TEAMS students are involvedto take part in various events and activities as participants and volunteers. As part ofInternational Women's Day on March 8th International Women's Week is observedevery year and various workshops and training programmes, guest lectures are periodically conducted on Cyber Crimes, Physical Fitness and

Self Defense.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional Information	https://www.gnits.ac.in/security/

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power-efficient equipment	**A. Any 4 or All of the above**

File Description	Documents
Geotagged Photographs	[View File](#)
Any other relevant information	[View File](#)

7.1.3 - Describe the facilities in the institution for the management of the following types of degradable and non-degradable waste (within a maximum of 200 words)

The waste management at G.Narayanamma Institute of Technology and Science is classified and categorised as follows with suitable ways of disposing them:

Solid waste include, 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.

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 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 off through vendors. There is a buy back policy for UPS and Xerox machines.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	**No File Uploaded**
Geotagged photographs of the facilities	View File
Any other relevant information	**No File Uploaded**

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus

A. Any 4 or all of the above

File Description	Documents
Geotagged photographs / videos of the facilities	View File
Any other relevant information	View File

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

1. Restricted entry of automobiles
2. Use of bicycles/ Battery-powered vehicles
3. Pedestrian-friendly pathways
4. Ban on use of plastic
5. Landscaping

A. Any 4 or All of the above

File Description	Documents
Geotagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	No File Uploaded

7.1.6 - Quality audits on environment and energy undertaken by the institution

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following: 1. **Green audit** 2. **Energy audit** 3. **Environment audit** 4. **Clean and green campus recognitions/awards** 5. **Beyond the campus environmental promotional activities**	C. Any 2 of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	No File Uploaded
Certification by the auditing agency	No File Uploaded
Certificates of the awards received	View File
Any other relevant information	View File

7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment,	A. Any 4 or all of the above

etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.

File Description	Documents
Geotagged photographs / videos of facilities	View File
Policy documents and brochures on the support to be provided	No File Uploaded
Details of the software procured for providing assistance	No File Uploaded
Any other relevant information	No File Uploaded

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e. tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic and other diversities (within a maximum of 200 words).

The institution believes in equality of all cultures and traditions as is evident from the fact that students belonging to different caste, religion, regions are studying without any discrimination. The institution promotes equal opportunities beyond class, creed and religion to all the students and the staff members. Though the institution has diverse socio-cultural background and different linguistic, we do not have any intolerance towards cultural, regional, linguistic, communal socio economic and other diversities. With great fervour the national festivals, birth anniversaries and memorials of great Indian personalities like Mahatma Gandhi, Mokshagundum Visveswaraya, Sarvepalli Radhakrishnan, are celebrated. National Integration and Communal Harmony week is observed every year as part of Flag Day on 7th December.

The institute is proactively taking efforts in providing an inclusive environment. The initiatives areto promote better education, economic upliftment of the needy and setting communal harmony. The extension activities are targeted towards enabling a holistic environment for student development Centre for Skill & Personality Development Program (SPDC) organizes Training Programs for SC/ST students on Soft Skills, Business Communications and career planning.

The program was technically sponsored by AICTE, New Delhi. As part of 'Ek Bharath Sreshta Bharath' student cultural exchange programmes are promoted between different states.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	No File Uploaded

7.1.9 - Sensitization of students and employees of the institution to constitutional obligations: values, rights, duties and responsibilities of citizens:

G.Narayanamma Institute of Technology and Science(GNITS) Sensitizes the students and the employees to the constitutional obligations .GNITS create awareness about values, rights, duties and responsibilities and constantly works upon to make them as better citizens of the country through various curricular and extra-curricular activities .GNITS curriculum consists of courses to sensitize on constitutional obligations. Motivational lectures are arranged to 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 .These eminent personalities talk about freedom fighters and emphasize the duties and responsibilities of citizens. Cultural events are conducted during celebrations of every national festival in which patriotic songs and skits are played.

GNITS organized quiz competition on Indian constitution, on the occasion of constitutional day ,which consists of two rounds ,Written test and oral round .The college organized mock parliament on 26-11-21. 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	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	View File
Any other relevant information	View File

7.1.10 - The institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic sensitization programmes in this regard: The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff Annual awareness programmes on the Code of Conduct are organized	**B. Any 3 of the above**

File Description	Documents
Code of Ethics - policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims	View File
Any other relevant information	**No File Uploaded**

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

The founder member of the Institution Late Shri G.Pulla Reddy Garu was a visionary and a staunch patriot. The two National Festivals – Independence Day – 15th August, and the Republic Day – 26th January are celebrated in a befitting manner.

The following are the other important dates celebrated,

commemorated in the college:

INTERNATIONAL WOMENS DAY on 8th March are celebrated every year with a week long activities and events.

ENGINEERS DAY on 15th September is celebrated giving Young Promising Engineer Award to the students who have done outstanding performance in their chosen field of study.

TEACHERS DAY on 5th September is celebrated by inviting an Eminent teacher of our Institution to felicitate in recognition of the distinct services and contribution to the education.

FLAG DAY and COMMUNAL HARMONY WEEK is celebrated every on 7th December.

CONSTITUTIONAL DAY is celebrated on 26TH November every year.

COMMUNAL HARMONY AND CAMPAIGN WEEK & FLAG DAY : 7th December is marked as Flag Day. Various events and competitions are organized as part of FLAGDAY Celebrations.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	View File
Geotagged photographs of some of the events	View File
Any other relevant information	No File Uploaded

7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

Title: Incentives and Encouragement to the faculty.

Objective:

To encourage and acknowledge the contribution of teachers R & D.

Context:

Faculty members with the given encouragement have been contributing to the research and development.

Practice:

1. In sponsoring the candidates for faculty development programmes
2. In providing seed amount from Rs.10,000 to more than Rs.2 Lakhs to pursue projects and to procure infra structure.
3. In financially aiding the filing of patents.

Evidence of Success:

More than 70% of the faculty members are benefiting from the programme annually,

BEST PRACTICE - 2

Title :

ASSESSMENT OF NUTRITIONAL STATUS AND BODY COMPOSITION

Objective:

- To assess nutritional status of the students.

The context:

Provides an opportunity for the students to know their nutritional status and body fat content. Resting metabolic rate (RMR) information helps to identify the calorie needs of a person.

The Practice:

Using a device Fat analyser the weight, Fat percentage, BMI, body age, Resting Metabolic Rate and Visceral fat will be assessed and recorded.

Evidence of Success:

This data proved to be very useful to identify the malnourished students (Both underweight, over weight and obese).

The Challenge:

Limited infrastructure and human resources.

File Description	Documents
Best practices in the Institutional website	https://www.gnits.ac.in/why-gnits/#1648464088702-f982d8dd-9b39
Any other relevant information	https://www.gnits.ac.in/why-gnits/#1648464088693-318c4653-8ac3

7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

GNITS is the FIRST COLLEGE in the state of Telangana for starting Non Formal Sanskrit Education (NFSE) Center 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 2017with 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/scriptures. Under this programa One Year Certificate Course in Sanskrit Languageis being offered and good number of students, staff and civilian people from all walks of life – doctors, NGOs, Housewives enroll for the course.

GNITS is the ONLY COLLEGE across the country offering a specialized course Electronics and Telematics Engineering (ETE) under Jawaharlal Nehru Technological University, Hyderabad.

The thrust area of building transformative multi-faceted learning environment at GNITS is primarily embedded in its vision of creating 'a center of quality education in Engineering and Technology for women empowerment' through a plethora of 'beyond the curriculum' activities for promoting technical competencies and knowledge that is blended with right skills, attitude and values for life long success.

File Description	Documents
Appropriate link in the institutional website	https://www.gnits.ac.in/life-gnits/non-formal-sanskrit-education-nfse/
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

- **To apply for additional intake in Data Science (DS), Artificial Intelligence and Machine Learning (AIML) Branches**
- **To conduct Faculty Development and Skill Development Programmes.**
- **Mentoring the faculty to publish papers in Scopus/SCI/SCIE indexed journals and submit research proposals to funding agencies.**
- **To conduct Outreach & Extension activities.**
- **To make more number of ICT Enabled Class Rooms.**
- **To conduct career guidance sessions by Experts.**
- **To conduct gender sensitization activities.**
- **To conduct activities under Entrepreneurship Development Cell and Innovation Cell.**
- **To conduct few events on the occasion of silver jubilee celebrations in December 2022**
- **To organize intra college Sports Fest.**
- **To construct a new block to accommodate emerging new branches.**