



YEARLY STATUS REPORT - 2021-2022

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://www.gnits.ac.in/wp-content/uploads/2023/02/aqar-report-2020-2021.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 | 21/12/2014 | 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 |
| Humanities and Mathematics | Spices | AICTE, New Delhi | 28/05/2022 | 50000 |
| Humanities and Mathematics | Spices | AICTE, New Delhi | 28/05/2022 | 50000 |
| Electrical and Electronics Engineering | E & ICT | NIT Warangal | 25/04/2022 | 110000 |
| Computer Science Engineering | DST | DST-SEED (TIDE) | 23/03/2022 | 740082 |
| Computer Science Engineering | DST | DST-SEED (TIDE) | 23/03/2022 | 740082 |
| Computer Science Engineering | DST | DST-SEED (TIDE) | 23/03/2022 | 740082 |
| Computer Science Engineering | DST | DST-SEED (TIDE) | 23/03/2022 | 740082 |
| Computer Science Engineering | DST | DST-SEED (TIDE) | 23/03/2022 | 740082 |
| 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 | DST | DST-DDP | 04/10/2021 | 528577 |
| Computer Science Engineering | DST | DST-DDP | 04/10/2021 | 528577 |
| Computer Science Engineering | DST | DST-DDP | 04/10/2021 | 528577 |
| Computer Science Engineering | DST | DST-DDP | 04/10/2021 | 528577 |
| Computer Science Engineering | E & ICT | NIT Warangal | 07/09/2021 | 55000 |
| Computer Science Engineering | E & ICT | NIT Warangal | 07/09/2021 | 55000 |
| Electronics and Telematics Engineering | E & ICT | NIT Warangal | 20/09/2021 | 113255 |
| Electronics and Telematics Engineering | E & ICT | NIT Warangal | 06/09/2021 | 113321 |
| Electronics and Communication Engineering | AICTE-ISTE | AICTE | 21/09/2021 | 93000 |
| Electronics and Communication Engineering | E&ICT | NIT Warangal | 03/09/2021 | 110000 |

8.Provide details regarding the composition of the IQAC:

- Upload the latest notification regarding the composition of

[View File](#)

| | |
|---|---|
| the IQAC by the HEI | |
| 9.No. of IQAC meetings held during the year | 2 |
| <ul style="list-style-type: none"> Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website? | Yes |
| 10.Did IQAC receive funding from any funding agency to support its activities during the year? | No |
| 11.Significant contributions made by IQAC during the current year (maximum five bullets) | |
| Encouraging staff and students to register for online courses for the development of their technical knowledge. Ex: NPTEL Courses, Course Era | |
| Preplacement Training programs (Campus Recruitment Training Program) proposed by IQAC helped the students for acquiring more placements. Focus on Training the students on Entrepreneurship Development and motivating staff and students | |
| GNITS has received Rs. 66,74,294/- for Research grants from AICTE, UGC and other agencies | |
| Conducting various FDP programmes both online and offline for enriching knowledge on latest technological trends and improvement of the Quality of Teaching in GNITS | |
| Motivating faculty members to apply for Government funding and to publish papers in Research Publications | |
| 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 apply for additional intake in Data Science (DS), Artificial Intelligence and Machine Learning (AIML) Branches | Applied for the Data Science (DS), Artificial Intelligence and Machine Learning (AIML) Branches and we got affiliation for AIML |
| To conduct Faculty Development and Skill Development Programmes. | 1.FDP on Predictive analysis and Business intelligence was conducted during 1-12-2021 to 10-12-2021,for 10 days with 51 participants. This FDP was organized by CSE department. 2.FDP on deep learning and AI applications was conducted during 28-8-2021 to 7-9-2021,for 10 days with 65 participants. This FDP was organized by CSE department. 3..FDP on Artificial Intelligence and machine learning. Real time applications was conducted during 20-9-2021 to 30-9-2021 ,for 10 days with 61 participants. This FDP was organized by |

| | |
|--|--|
| | ETE department in collaboration with NIT Warangal. 4.FDP on Recent and emerging trends in wireless communications:4G and 5G Technologies, was conducted during 6-9-2021 to 16-9-2021,for 10 days with 55 participants. This FDP was organized by ETE department in collaboration with NIT Warangal. |
| Mentoring the faculty to publish papers in Scopus/SCI/SCIE indexed journals and submit research proposals to funding agencies. | Faculty has published nearly 150 Research Publications in various Journals. Submitted research proposals and got 20 funded Research projects and 40 academic research projects form various Government and Non Government agencies for this Academic Year. |
| To conduct Outreach & Extension activities. | Installed 5 Interactive smart boards in few classrooms apart from existing ICT Enabled classrooms. |
| To make more number of ICT Enabled Class Rooms. | Installed 5 Interactive smart boards in few classrooms apart from existing ICT Enabled classrooms. |
| To conduct career guidance sessions by Experts. | As part of Gender Sensitization Debates, Elocution and Open Mike were conducted on topics titled: Gender Roles and Social Norms, Women Rights - Misused or Abused, Working Women - Challenges and Coping Mechanism. The prize winners were given the Certificates and Awards during the International Womens' Day Celebrations - March 9th 2022. |
| To conduct gender sensitization activities. | As part of Gender Sensitization Debates, Elocution and Open Mike were conducted on topics titled: Gender Roles and Social Norms, Women Rights - Misused or Abused, Working Women - Challenges and Coping Mechanism. The prize winners were given the Certificates and Awards during the International Womens' Day Celebrations - March 9th 2022. |
| To conduct activities under Entrepreneurship Development Cell and Innovation Cell. | Few activities and intra college sports meet are conducted regarding silver Jubilee celebrations. |
| To conduct few events on the occasion of silver jubilee celebrations in December 2022 To organize intra college Sports Fest. | Constructed 4th floor in adminstrative block which has class rooms and labs to accommodate students of new emerging branches |

| | |
|--|---|
| To construct a new block to accommodate emerging new branches. | Constructed 4th floor in administrative block which has class rooms and labs to accommodate students of new emerging branches |
|--|---|

| | |
|--|-----|
| 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 | 21/12/2022 |

| | |
|---|-----|
| 14. Was the institutional data submitted to AISHE ? | Yes |
|---|-----|

- Year

| | |
|-----------|--------------------|
| Year | Date of Submission |
| 2021-2022 | 02/03/2023 |

15. Multidisciplinary / interdisciplinary

In view of the NEP, GNITS has initiated new interdisciplinary activities integrating different departments in addition to the existing inter/multidisciplinary research and academics. Academic programmes are redesigned to include Multidisciplinary / Interdisciplinary courses as electives. All programmes are designed in such a way that students get maximum flexibility to choose elective courses offered by other Department. Project Expos and Hackathons are organized to inculcate multidisciplinary Research and Innovation. Workshops and FDPs are conducted where staff and students from different departments participate. College is proactively working towards implementation of the suggestions given in the NEP and GNITS is implementing these with full vigour.

16. Academic bank of credits (ABC):

G.Narayanamma Institute of Technology & Science is an Autonomous college. In the direction of Academic Bank of Credits, the guidelines issued by the NEP are considered and decision has been taken in College Academic Committee meeting to register for Academic Bank of Credits.

17. Skill development:

The Institute organizes various activities for the development of soft skills, life skills, values etc. Soft skills activities includes campus recruitment training programs, workshops are organized by industry experts to make students industry ready. Women Empowerment programs are also conducted. To improve language and communication skills, apart from various labs included in Curriculum, various activities are organized under Model United Nation and Non-Formal Sanskrit Education Centre.

Some of the major life skills activities included Yoga for Wellness, Self defence workshop, Life Skill and capacity development training. To inculcate values among students, courses like Gender Sensitization, National Service Scheme, Stress Management by Yoga, Behavioral Skills and Professional Communications are included in Curriculum.

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

GNITS encourages learning of Sanskrit language through Non Formal Sanskrit Education Centre. All regional and National festivals are Celebrated in campus involving Staff and Students. Various cultural activities and competitions like Rangoli, Essay Writing in regional language etc. are organized. Further, subjects like Constitution of India, Human Values and Professional Ethics etc. in the curriculum of various programmes inculcates cultural values in Indian tradition so that students imbibe value orientation.

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

GNITS offers 8 Under Graduate and 5 Post Graduate Programmes. All these programmes are offered as outcome-based education (OBE) which is designed keeping in mind the national and global requirements. The Institute has implemented outcome-based education with clearly stated Programme Outcomes, Programme Specific Outcomes and Course Outcomes. All courses are designed with outcomes centred on cognitive abilities namely Remembering, Understanding, Applying, Analysing, Evaluating and Creating. Apart from the domain-specific skills, learning outcomes at all levels ensure social responsiveness and ethics, as well as entrepreneurial skills so that students contribute proactively to economic, environmental and social well-being of the nation. All course syllabi have been designed with due consideration to social needs at large so as to apply the spirit of NEP.

20.Distance education/online education:

Since 2019, educational institutions in the country have employed digital platforms for engaging classes, conducting conferences, meetings etc. Keeping aside the negative impact of lack of face to face learning, online education has broken the geographical barriers creating interaction of experts and students from distant locations. Opening up of the educational institutions after pandemic has paved the way of adopting hybrid mode of education called as 'PHYGITAL' combining online and offline resources. This can be considered as the new normal, which is envisaged in New Education Policy as well. Due to the experience gained during the closure period of Covid-19, access to online resources by educators and students will not be a constraint anymore. As a part of course curriculum, MOOC courses are offered at GNITS which promote the blended learning system of learning. GNITS is involved in Online Education using Microsoft Teams, Zoom, Google meet etc. for delivering topics beyond the syllabus. Students are allowed to opt the classes through either Online Mode or Offline Mode for professional electives.

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 | | 3343 |
| Total number of students during the year: | | |
| File Description | Documents | |
| Institutional data in Prescribed format | View File | |
| 2.2 | | 731 |
| Number of outgoing / final year students during the year: | | |
| File Description | Documents | |
| Institutional Data in Prescribed Format | View File | |
| 2.3 | | 3329 |
| 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 | | 525 |
| Number of courses in all programmes during the year: | | |
| File Description | Documents | |
| Institutional Data in Prescribed Format | View File | |
| 3.2 | | 188 |

| | | |
|--|---------------------------|--------|
| Number of full-time teachers during the year: | | |
| File Description | Documents | |
| Institutional Data in Prescribed Format | View File | |
| 3.3 | | |
| Number of sanctioned posts for the year: | | 188 |
| 4. Institution | | |
| 4.1 | | |
| Number of seats earmarked for reserved categories as per GOI/State Government during the year: | | 334 |
| 4.2 | | |
| Total number of Classrooms and Seminar halls | | 60 |
| 4.3 | | |
| Total number of computers on campus for academic purposes | | 1488 |
| 4.4 | | |
| Total expenditure, excluding salary, during the year (INR in Lakhs): | | 890.37 |

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

501

| 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

Nil

| File Description | Documents |
|------------------|-----------|
|------------------|-----------|

| | |
|---|---------------------------|
| Minutes of relevant Academic Council/BoS meetings | No File Uploaded |
| Any additional information | No File Uploaded |
| 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 have been introduced as both credit courses and mandatory courses for all programmes of engineering to address issues such as Gender Equality, Sustainability, Human Values and Ethics. Courses on Disaster management and Environmental Impact Assessment are offered as open electives. A Unit on Human Values and Professional Ethics is covered under the syllabus of the open elective Behavioural Skills and Professional Communication.

A two-week induction programme is conducted in the college for first year students to help them acclimatize with the new system, develop a bonding with the fellow students and teachers, get sensitized towards various issues of curricular and social relevance 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 across all the branches 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 | | |
| 14 | | |
| 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 | | |
| 6074 | | |
| 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 | | |
| 2184 | | |
| 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

857

| | |
|---|---------------------------|
| 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)

328

| | |
|---|---------------------------|
| 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 different levels of knowledge and skills are admitted, hence their learning capabilities are different. Upon students admission, an Induction program is conducted to orient the students towards professional

courses/ communication. The students are classified as slow learners and advanced learners as given below:

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

Measures taken for slow learners:

1. Conduction of remedial classes (2 Sample Records)
2. Regular follow up - Remedial classes, clarify doubts, provide unit wise question bank, class teachers follow up with students having less attendance while the class notes and previous question papers are shared with students and guidance given to boost the confidence of students Mentoring (Out of 3343 students _1244 students improved).

Encouragement for advanced learners:

1. Free ships for academic toppers, attendance toppers, best placement pay package students, gold medal winners, Young Engineer award, toppers in competitive Exams, higher studies, projects.
2. Internships - (3 Sample Records)
3. Value Added Courses / Hackathons /GATE (3 Sample Records)
4. Paper Presentations / Publications with financial support by the college to publish papers.
(10 Sample Records)

| | |
|---------------------------------------|---|
| File Description | Documents |
| Upload any additional information | View File |
| Paste link for additional information | https://www.gnits.ac.in/wp-content/uploads/2023/02/lecture-notes_1_ptsp_course_file.pdf |

2.2.2 - Student - Teacher (full-time) ratio

| Year | Number of Students | Number of Teachers |
|------------|--------------------|--------------------|
| 01/07/2021 | 3343 | 188 |

| | |
|-----------------------------------|---------------------------|
| 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.Workshops3. 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.

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/student-centric/#1676866067427-83a8c6e1-8e4d |

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,Cours era,SAP,Udemy) and Digital Library resources (DELNET,MYLOFTetc) Faculty provided with net facility to use the global resources for effective presentations. Online quiz- online quiz for students after the completion of each unit using GOOGLE Video Conferencing-Students are counselled/doubts cleared with the help of Teams /Zoom /Google meet applications. Video lecture-Recording of video lectures is made available to students for long term learning and future referencing using Impartus platform

| | |
|------------------|-----------|
| File Description | Documents |
|------------------|-----------|

| | |
|--|---|
| Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process | https://www.gnits.ac.in/wp-content/uploads/2023/02/ict-summary-21-22.pdf |
| 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

204

| 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 Extracurricular 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

188

| 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

65

| 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)

2171

| 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

2

| 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

12

| 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/2023/02/2-5-3-upload-additional-info-link-exams-pdf.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 like program advisory committee (PAC), department advisory committee (DAC) etc. 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/2023/05/2-6-1-proofs-of-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 are 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/2023/05/2-6-2-proof-of-po-attainment.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

731

| 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/2023/02/2-6-3-paste-link-for-the-annual-report-pdf.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/students-satisfaction-survey/>

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 actively involved in cutting edge research areas. They are facilitated to interact with industry and research communities to enhance knowledge and contribute for technology development for the benefit of society. To promote the research culture, GNITS organizes International conferences in association with recognized bodies.

College has 71 Doctorates and 23 are recognized as supervisors from various universities. 26 scholars were awarded Ph.D. 49 scholars are pursuing Ph.D. under the guidance of the supervisors from the college. Faculty has a good number of 144 scientific and technical publications in high impact International and National journals.

SEED funding encourages faculty and students to conduct research. 10 research projects are sanctioned under various government and non-government agencies for 2021-2022. 13.61 lakhs of SEED grant facilitated faculty to be active in research. With the state of art infrastructure provided, collaborations 20 research proposals are submitted, 13 patents are published among which one patent is granted. GNITS received 66.74 lakhs from various government agencies like AICTE, DST, Government of India, etc. MiraiNxt, an initiative of GNITS incubation, innovation and entrepreneurship is started in 2021 for hand-holding future development in deeptech, fintech, healthtech, edtech etc.

| 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)

13.61420

| 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

93

| File Description | Documents |
|---|---------------------------|
| e-copies of the award letters of the teachers | View File |
| List of teachers and details of their international fellowship(s) | View File |
| Any additional information | View File |

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)

66.74295

| 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

49

| 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

23

| 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

5

| 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.

Innovation-Cell is active in organizing various events like boot camps, idea generation workshops etc., with industry experts as mentors. Three idea pitching contests and a Hackathon are organized for the academic year 2021-22. 12 week pre-incubation is under progress for the selected innovative ideas

by the incubation center. GNITS is associated and collaborated with J-Hub, We-Hub, T-HuB, Hyderabad, for strengthening the activities of innovation and incubation.

Entrepreneur Development Cell fosters 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 2021-22. Out of which 5 are related to Intellectual Property Rights (IPR) and Research Methodology, 4 are on Entrepreneurship. The efforts of the faculty members resulted in 13 patents out of which one is in grant status.

MiraiNxt, an initiative of GNITS incubation, innovation and entrepreneurship is started in 2021 for hand-holding future development in deeptech, fintech, healthtech, edtech and sustainable impact verticals, to name a few.

| 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

12

| 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

49

| 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

1.56

| 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

1.37

| 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

308

| 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 | |
| 12 | |
| File Description | Documents |
| Bibliometrics 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) | |
| 6.71560 | |
| 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 | |
| 15.88493 | |
| 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 2021-2022. 2569 students from various departments have taken part in nearly 27 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

9

| | |
|--|---------------------------|
| 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)

27

| | |
|---------------------------------|---------------------------|
| 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

2943

| 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

127

| 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)

11

| 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 Technology & Science (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 2 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.youtube.com/watch?v=diK9Jqx63Wk |

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)

425.44

| 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)

GNITS library is truly a learning center built with 15044 Sq.ft of carpet area spreading over two floors (ground and first floors) to accommodate more than 250 students at a time. The library stocks textbooks, reference books, journals audio-video lectures, and project reports. The Library subscribes to more than 120 national and international journals and has a very large collection of reference books on advanced disciplines that are aimed at developing students beyond their normal curriculum. In all, the Central library has then 45,500 volumes and around 9,538 titles covering various advanced disciplines about all the branches of engineering courses.

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

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

Nature of automation (fully or partially) : Fully

Up-gradation Version : 5.0

Year of Up-gradation Version : 2017

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

Entry/Upload of Books/Journals/Magazines.

Book Issues>Returns/Renewals.

Journal/Magazine Subscriptions & Renewals.

Titles/Authors/Publishers Database.

Backup & Restore of Library Data.

Stock Verification

Reports.

Online Public Access Catalogue (OPAC)

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional information | http://43.225.26.108/ecap/Default.aspx?ReturnUrl=%2fecap%2fmain.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)

22.6

| 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

360

| 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 currently.
3. Institute is providing around 1488 systems to students for academic purpose in the college.
4. The campus has 7 computer centers, 13 Computer Labs, E-Classrooms, an Internet center and MAC Lab optimally networked to cater to the academic requirements of the students of all branches. The student to computer ratio is 2.25:1.
5. There are various reprographic facilities around the college.
6. There are 80 Projectors around the campus in classrooms and seminar halls.

7. With the technological advances in smart learning, GNITS also purchased interactive boards in 2018, 2019 and 2022. Five Ingress Interactive Boards CS-85 along with Hitachi CPAX 3005 Projectors and Five Hyundai 65" Interactive flat panel displays are installed one each in the departments to assist in smart learning.
8. Impartus Lecture Capture Solution is installed in 10 classrooms at GNITS to record daily lectures in the class rooms.

| | |
|---------------------------------------|---|
| 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 |
| 3347 | 1488 |

| | |
|-----------------------------------|---------------------------|
| 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

B. Any three 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/2023/02/4-3-4-additional-information-aqar-21-22.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)

464.93

| 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 periodically. 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/2023/04/generator-liftintercom-maintenace_.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

1335

| | |
|---|---------------------------|
| 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

1781

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

| | |
|--|--|
| <p>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</p> | <p>A. All of the above</p> |
| <p>File Description</p> | <p>Documents</p> |
| <p>Link to Institutional website</p> | <p>https://www.gnits.ac.in/capacity-and-skill-development/</p> |
| <p>Details of capability development and schemes</p> | <p>View File</p> |
| <p>Any additional information</p> | <p>View File</p> |
| <p>5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year</p> | |
| <p>3113</p> | |
| <p>File Description</p> | <p>Documents</p> |
| <p>Any additional information</p> | <p>View File</p> |
| <p>Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)</p> | <p>View File</p> |
| <p>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</p> | <p>A. All of the above</p> |
| <p>File Description</p> | <p>Documents</p> |
| <p>Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee</p> | <p>View File</p> |
| <p>Details of student grievances including sexual harassment and ragging cases</p> | <p>View File</p> |
| <p>Upload any additional information</p> | <p>View File</p> |
| <p>5.2 - Student Progression</p> | |

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

546

| 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

55

| 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**

254

| 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**

33

| 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 39 committees; out of them 27 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 110 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 activities.

| | |
|---------------------------------------|---|
| File Description | Documents |
| Upload any additional information | View File |
| Paste link for additional information | https://www.gnits.ac.in/wp-content/uploads/2023/02/2021-22-student-committees-2.pdf |

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

28

| | |
|--|---------------------------|
| 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 55/2022 under the government of Telangana, consists of all the

Alumnae of GNITS and an Executive Committee consists of seven members constituted once in three years as follows President, Vice-President, General Secretary, Joint Secretary, Treasurer and Two executive members to engage, execute and enhance various activities like Mock interviews, Student-Alumnae interactions, Monetary support for meritorious and financially backward students etc.,

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

The Alumnae Association of GNITS encourages its members to reunite former students of the college occasionally and to provide alumnae service and support to the institute's mission of teaching and lifelong learning, to take active interest in the activities and the progress of the Alma meter, to promote career guidance and interaction with industry, to get the participation of alumnae in the development of the college, to improve the placement opportunities for the fellow alumnae and fresh graduates.

| | |
|---------------------------------------|---|
| File Description | Documents |
| Upload any additional information | View File |
| Paste link for additional Information | https://www.gnits.ac.in/wp-content/uploads/2023/02/21-22.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 HODs. 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 2021-2022 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 and 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 andemployee 2.ESI benefits Non-teaching staff @4% of basic. 3.Gratuity for staff up to 10 lakhs disbursed to the retired orresigned. 4.Reimbursement of 5000/- of premium for Medical Insurance. 5.Personal Accidental Policy with a coverage of 5 Lakhs per memberfor all staff every year. 6.Gifts to the Staff during Special Occasions and FestivalsAdvances 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

110

| | |
|---|---------------------------|
| 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

12

| | |
|--|---------------------------|
| 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.)

172

| | |
|---|---------------------------|
| 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 helps the institute to follow a systematic approach to evaluate and enhance the effectiveness of financial processes. It reviews and approves information and compliance with policies. 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.

Following procedure is maintained:

1. Before the commencement of every financial year, Principal submits proposals received from the concerned departments regarding budget allocation for the next financial year .
2. Principal reviews the previous years' actual expenses of the departments and the requirements of the present year as projected by the departments and thereafter in consultation with Management, a consolidated budget is prepared.
3. The consolidated budget is thereafter approved by the Governing body.
4. The budget includes Revenue expenses and Capital expenses which is monitored by the Accounts Department as per authorization of the Management.

The External Auditor conducts audit once in a year in accordance with the Generally Accepted Accounting Policies, applicable Financial Reporting Framework, Statutory Provisions and regulations, etc.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional information | https://www.gnits.ac.in/wp-content/uploads/2023/01/gnits-audit-report-21-22_r.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)

Nil

| 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. While submitting the projections, the Institute also incorporates increase in salaries by way of DA, increments, etc. The Fee Regulatory Consider the funds allocated for the expenditure, which the Institute is planning over the next three years. Hence, the major resource mobilization depends on the fee fixation done by the Telangana State Fee Regulatory Committee.

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 amount is sanctioned by the Management.

The funds are utilized for approved academic expenses and administrative expenses as per the norms. Major proportion of funds is allocated for salary of the teaching professionals and administrative staff members.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional Information | https://www.gnits.ac.in/wp-content/uploads/2023/01/gnits-audit-report-21-22_r.pdf |

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 year 2012 in the institute . 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 in 2021-22 academic year .

IQAC initiated the following advance teaching Methods

a) Microsoft teams software b) Impartus software and setup c) Smart boards d) New lesson plan

Micro soft teams helps for conducting online classes. This software helped students and staff during COVID-19 time to conduct theory classes and some of the software related Lab classes.

Class rooms with impartus setup are arranged in each department. This will help to attend physical classes as well as to watch the video lecture at home for the same class.

Smart boards are made available in majority class rooms, which facilitate the teacher for easy accessing of internet and fast coverage of syllabus.

The modified lesson plan specifies the syllabus coverage per week, method of teaching, teaching aid, references used for particular topic and ONLINE resources used.

Outcome: All the above methods helped teachers and students for better teaching and learning.

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

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 adopted 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 is modified to cover Teaching and learning , research and development and additional work done by the faculty member. Separate format of PBAS is used for non-teaching staff. The maintenance of course file by all the faculty is mandatory in the institute. GNITS reviews the Teaching and Learning processing using the above practices periodically.

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.

Academic audit is conducted every year by external experts to monitor the quality of teaching-learning along with other academic and administrative related activities. Internal audits are conducted for all

departments annually. Internal audit is conducted by the committee of senior faculty constituted by the IQAC coordinator and Chairman. ISO Audit is being practiced since 2003 adopting ISO 9001:2000 certification and ISO 9001:2015 at present.

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

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/2023/05/annual-report-2021-2022-website-1.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 spectrum of career opportunities, meaningful work, career advancement and active citizenship and has initiated many forums and platforms for the women to stand square with men. Women Protection Cell in collaboration with SHE TEAMS of Telangana state ensures safety and security for the women to exercise full freedom to pursue technical education. They are encouraged to take part in various technical and extra-curricular activities in equal competence with the other gender. To sensitize the students towards Gender issues a Mandatory Course on Gender Sensitization has been 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 on Gender issues are debated, discussed in the classroom settings. In collaboration with women wings like All India Women's Conference, SHE TEAMS students are involved to take part in various events

and activities as participants and volunteers. As part of International Women's Day on March 8th International Women's Week is observed every 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

C. Any 2 of the above

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

A. Any 4 or all of the above

| 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 | View File |

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 are to 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

A. All of the above

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

BEST PRACTICE -1

Title: PSYCHOLOGICAL OUTREACH AND COUNSELLING

Objective:

To provide coping mechanisms through counselling.

Context:

To address the concerns of work-life balance, stress, anxiety and sometimes clinical level mental illness was felt for the psychological wellbeing of the Institutional members.

Practice:

Sessions on Stress Management, Relationship Management and Emotional Intelligence are conducted and the feedback is collected.

Evidence of Success:

The percentage of positive responses in terms of benefits through sessions ranged from 91% to 97%.

More than 70% of the members are showing good results.

Challenges

Perceived social stigma to seek counselling support.

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/ |
| Any other relevant information | https://www.gnits.ac.in/ |

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/electronics-telematics-engineering/ |

| | |
|--------------------------------|---------------------------|
| Any other relevant information | View File |
|--------------------------------|---------------------------|

7.3.2 - Plan of action for the next academic year

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 conduct career guidance sessions by Experts. To conduct activities under Entrepreneurship Development Cell and Innovation Cell. To conduct Silver jubilee celebrations in December 2022 To organize intercollege Sports Fest. To construct a new block to accommodate emerging new branches.