



YEARLY STATUS REPORT - 2020-2021

Part A

Data of the Institution

1.Name of the Institution	
	GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING AND TECHNOLOGY
• Name of the Head of the institution	Dr. Praveen Jugge
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone No. of the Principal	7207344440
• Alternate phone No.	7207714441
• Mobile No. (Principal)	9652313434
• Registered e-mail ID (Principal)	principal@griet.ac.in
• Address	Bachupally, Kukatpally
• City/Town	Hyderabad
• State/UT	Telangana
• Pin Code	500090
2.Institutional status	
• Autonomous Status (Provide the date of conferment of Autonomy)	05/02/2014
• Type of Institution	Co-education
• Location	Rural

• Financial Status	Self-financing
• Name of the IQAC Co-ordinator/Director	V. Vijaya Rama Raju
• Phone No.	09440821902
• Mobile No:	09440821902
• IQAC e-mail ID	iqac@griet.ac.in
3.Website address (Web link of the AQAR (Previous Academic Year)	http://www.griet.ac.in/annual_reports.php
4.Was the Academic Calendar prepared for that year?	Yes
• if yes, whether it is uploaded in the Institutional website Web link:	http://www.griet.ac.in/images2/B.TechItoIVAcademicCalendar20-21.pdf

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 2	A++	3.55	2021	23/02/2021	22/02/2026
Cycle 1	A	3.15	2013	08/07/2013	31/12/2019

6.Date of Establishment of IQAC

01/08/2013

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
Department of Scientific and Industrial Research	SIRO	DST	06/05/2020	0

8.Provide details regarding the composition of the IQAC:

<ul style="list-style-type: none"> • Upload the latest notification regarding the composition of the IQAC by the HEI 	View File	
9.No. of IQAC meetings held during the year	2	
<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	
<ul style="list-style-type: none"> • If No, please upload the minutes of the meeting(s) and Action Taken Report 	No File Uploaded	
10.Did IQAC receive funding from any funding agency to support its activities during the year?	No	
<ul style="list-style-type: none"> • If yes, mention the amount 		
11.Significant contributions made by IQAC during the current year (maximum five bullets)		
Integration of Online classes through GRIET-Newton classroom MIS		
Skill development of Faculty and Students by undergoing through MOOCs and certification programs		
Preparation of Strategic Plan 2020-25		
Benchmarking publications: 1 SCI & 2 Scopus publications for Professors and Associate Professors, and 2 Scopus publications for Assistant Professors per academic year		
Brainstorming sessions with HoDs and Deans to identify the areas in which the institute can improve, to move NIRF ranking into 100-150 band for the next Academic Year		
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
<p align="center">Improvement of Institution's perception among the stakeholders</p>	<p align="center">The NIRF ranking of the institution have been improved from 179th rank in 2019 to 172nd rank in 2020 to 165th rank in 2021</p>
<p align="center">Improvement in placements</p>	<p>In 2019, amongst 796 selections, 02 students were placed in Amazon with 28 Lakhs Per Anum, a student was offered in Flipkart with 25 LPA, 02 students were selected for Servicenow with 10 LPA. In addition to this, nearly 50+ students were offered with 7 Lacs and above packages. In 2020, around 930 students were placed, and a substantial growth was observed as 01 students was selected for Microsoft with 41 LPA, 04 students were selected for Amazon with 30 LPA, 05 students were selected for CISCO with an offer of 12 LPA, 05 students were selected for DBS with an offer of 8 LPA. Apart from this in this same year, nearly 120 + students were offered with 7 lacs and above packages</p>
<p align="center">Growth in R&D activities</p>	<p>There is a significant increase in the number of publications from 301 in the year 2019-20 to 423 in the year 2020-21. In the year 20-21, GRIET has secured funded research projects (DRDO, DST AICTE, AR&DB, etc.) worth Rs.106.806 lakhs when compared to Rs. 76.865 lakhs in the year 2019-20.</p>
<p>13. Was the AQAR placed before the statutory body?</p>	<p align="center">Yes</p>
<ul style="list-style-type: none"> • Name of the statutory body 	

Name of the statutory body	Date of meeting(s)
Governing Body	10/12/2021
14. Was the institutional data submitted to AISHE ?	Yes
<ul style="list-style-type: none"> • Year 	
Year	Date of Submission
11/01/2020	11/01/2020
15. Multidisciplinary / interdisciplinary	
16. Academic bank of credits (ABC):	
17. Skill development:	
18. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)	
19. Focus on Outcome based education (OBE): Focus on Outcome based education (OBE):	
20. Distance education/online education:	

Extended Profile

1. Programme

1.1 15

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.Student

2.1 5427

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	View File

2.2 1496

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3 5427

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

3.1 527

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2 328

Number of full-time teachers during the year:

Extended Profile	
1.Programme	
1.1 Number of programmes offered during the year:	15
File Description	Documents
Institutional Data in Prescribed Format	View File
2.Student	
2.1 Total number of students during the year:	5427
File Description	Documents
Institutional data in Prescribed format	View File
2.2 Number of outgoing / final year students during the year:	1496
File Description	Documents
Institutional Data in Prescribed Format	View File
2.3 Number of students who appeared for the examinations conducted by the institution during the year:	5427
File Description	Documents
Institutional Data in Prescribed Format	View File
3.Academic	
3.1 Number of courses in all programmes during the year:	527
File Description	Documents
Institutional Data in Prescribed Format	View File

3.2 Number of full-time teachers during the year:	328
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File Description	Documents
Institutional Data in Prescribed Format	View File

3.3 Number of sanctioned posts for the year:	328
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4. Institution

4.1 Number of seats earmarked for reserved categories as per GOI/State Government during the year:	751
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4.2 Total number of Classrooms and Seminar halls	86
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4.3 Total number of computers on campus for academic purposes	2512
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4.4 Total expenditure, excluding salary, during the year (INR in Lakhs):	1260.18
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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.

GRIET, with the autonomous status bestowed on it, constantly endeavoured to update the curricula and make it relevant so as to address the challenges of liberalization, globalization and privatization being faced by the industry and the society under the changed global scenario. The institution has adopted rightly the outcome based education and has designed various OBE elements such as, PEO, PO, PSO and COs for the various academic programmes

and courses offered, in consonance with the needs and aspirations of the state and the nation. The guidelines of AICTE and affiliating universities are always followed in the curricular development process. In 20-21, GRIET introduced GR20 regulations upgrading the existing regulations/ curricula introduced in 2018-19, commonly known as GR18 regulations. It is a continuous exercise as change is a continuous process. The changes brought in are indicated in attachments.

The institute strives to extend comprehensive education for all-round development of the students to equip them with necessary skills and capabilities to develop innovative and critical thinking, problem analysis and scientific perspective. The objective is to provide the students a holistic learning experience by imparting theoretical as well as practical knowledge, apart from encouraging participation in extracurricular activities.

Further, the programmes offered have social relevance and meet the demands of the industry, economy and society. In order to meet the demands of the industry, certification courses like Oracle certified Java programme, Oracle certified associate, CISCO certified network associate, AutoCAD are offered. Python, AI, ML, Network Security are offered as professional core, elective and mandatory courses.

File Description	Documents
Upload additional information, if any	View File
Link for additional information	http://www.it.griet.ac.in/uploads/NAAC/Criterion1/1.1.1%20additional%20Info%20Link.pdf

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

15

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

490

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

255

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

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

15

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

GRIET, utilizing the academic freedom given as an autonomous institute, aims at the holistic growth of the students, leaves no stone unturned for integrating crosscutting issues in to the curriculum. The curriculum includes courses that are diverse and cater to the cross-cutting issues relevant to sustainable environment, gender equality, human values and professional ethics for addressing the economic, social and environmental challenges of globalization. The students of GRIET moulded as responsible Engineers by creating awareness and addressing the societal and generic needs. Along with a standardized learning plan, the curriculum is enriched by including the courses like Gender Sensitization, Environmental Studies, Energy Auditing, etc. This enriches the knowledge base of the student and improves the self-actualization and belongingness to the society. Environmental science is offered as a mandatory course for the students of all branches. Curriculum of Civil Engineering programme has such courses like Environmental Engineering, Environmental Impact Assessment, Engineering Materials for Sustainability, Green Building Technology. Courses on Gender Sensitization, Values and Ethics, Gender Culture, Stress Management by Yoga, Human Resources Development and Organizational Behaviour are offered to groom the engineering graduates in to effective citizens. The pedagogy focussed for these courses is based on project-based learning, where in the assignments are so structured for the student's collect information in their vicinities so that awareness of societal impacting concepts is understood by the student and his society. Students are encouraged to take up projects with emphasis in social relevance in tune with the Mission of the college and SRSR (Social Relevance and Self Reliance) the best practice of the institution.

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

28

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

7579

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

3563

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	http://www.ce.griet.ac.in/images/2021-22/NAC/Criterial/Sample%20Filled%20in%20Feedback%20forms.pdf
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
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File Description	Documents
Provide URL for stakeholders' feedback report	http://www.cse.griet.ac.in/feedback.html
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

1466

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)

659

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.

After students are admitted, the Institution examines their learning levels and develops tailored programs for advanced and slow learners

Induction Program:

For new entrants, the institute offers a 7-21 days induction program, which provides an excellent opportunity to counsel and sensitize them to the institution's principles, practices, and ethics while also orienting them into the higher education ecosystem.

Categorization of Learners:

A fresh student's learning level is determined initially based on their performance on their qualifying exam (Intermediate, SSC) for normalized distributions into sections. Students are identified as advanced or slow learners, through continuous assessment in classroom interaction by faculty and mentors.

These are supplemented by various selection tests:

1. Mid-1 Marks: The first internal continuous assessment through Mid-1 for all courses at the end of 8 Weeks of instructions.
2. Advanced Academic Center (AAC): Dean AAC administers a written test, a student's SOP, and a senior faculty interview within 8 weeks. Nearly 20% to 25% of first-year students fall into this category.
3. Aptitude Assessment Test: This test can be used to evaluate problem-solving abilities, as well as quantitative and verbal abilities and is conducted before Mid-1 examinations. This is overseen by Dean Training and Placement

4. Emotional Stability Test & Career Expectation Test: Dean, CGC administers this exam to determine whether a person is outgoing, introverted, or has a closed attitude and is conducted after Mid-1 examinations.

5. STEP (Student Talent Enhancement Program): The Head of Basic Science, in collaboration with the Dean of Academic Progression, keeps a close eye on the students' performance.

Learning methods for Advanced and improvised slow learners:

For Learners, the institution offers a number of academic opportunities. They are provided opportunities to participate in a variety of co-curricular and extra-curricular activities such as X-Kernel, Pragnya, Scientific Forestep, Quizzicals, Spirals, and G-talks, Internships, publication of research articles, and exposure to numerous Professional Societies such as IEEE, IETE, CSI, SAE, SME, IEI, and AAC. By awarding Achievement/Merit certificates to these students, they are inspired and supported. Advanced students are encouraged to enroll in Value Added Courses such as NPTEL, CISCO, and others. These students are given special attention in order to prepare for higher education as a career option, such as GATE, IES, GRE, TOEFL, and other exams. Hackathons are intended for advanced learners. Campus Recruitment Training (CRT) provides product and specific training so that they are prepared for unique possibilities. Slow learners and junior batches are mentored by advanced learners. In 2020-21, Co and Extra Curricular events are conducted by keeping Covid precautions.

List of Activities:

S.NO

Name of the Activity in A.Y. 20-21

No of Activities

1

Guest Lectures

16

2

Workshops/ Hackathons

09

3

Curricular activities

09

4

Extra-Curricular activities

26

5

Co-Curricular activities

04

6

Tech Talk/Motivated Talks

23

Slow learners are helped with remedial classes. Through the G-Support scheme, these students are mentored through one-on-one interactive sessions. Slow Learners are given special attention by GRIET's Finishing School, a one-of-a-kind initiative to encourage slow learners to finish their programs on time and be ready to pursue occupations of their choice and caliber. For slow learners, additional course materials such as a question bank with solutions, multiple-choice questions, and problems with solutions are provided. CRT classes are held to help students enhance their logical reasoning and programming abilities. Students are encouraged to participate in group or peer activities in the classroom, where a group or peer contains both slow and advanced learners so that the slow learners can benefit from the advanced learners' ideas to solve challenges. The 'Cheyutha' scheme under G-Assist is to provide financial support. During the assessment period, the amount of Rs.10,96,500 has been given to nine students under the Cheyutha scheme.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://aacgriet.com/

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
08/12/2021	5427	328

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:

GRIET is dedicated to achieving excellence. It has incorporated the Choice Based Credit System and nurtures an academic environment guided by OBE philosophy. All academic procedures are focused on a student-centric learning environment. All programs and courses are designed in line with objectives and outcomes with due credits.

Experiential Learning is through:

1. **Practicals:** Students are getting hands-on training to improve their technology skills and validate their theoretical knowledge. GRIET's curriculum is structured so that students spend 50% of their time in laboratories.
2. **Internships:** Internships are important because they allow students to put their new skills, knowledge, and theoretical understanding into practice with direct contact with the industry. During the assessment period, 397 students participated in internships in A.Y.20-21.
3. **Field projects:** Students are encouraged to participate in three-month field projects through the placement cell, which are supervised by industry professionals.
4. **Field trips:** Every semester, a field trip is organized for students to gain exposure to industry workspace and meet with industry/field expertise.

5. On Job Training (OJT): The On Job Training offered by companies like Capgemini, TCS, and Master PCB during the last five years gave an opportunity for students to realize the power of experiential learning.
6. Industrial tours: These tours introduce young students to real-world engineering difficulties while also instilling a sense of teamwork.

Participative Learning is through:

1. Classroom Interaction: In order to enhance student engagement, Modern pedagogy such as Think Pair Share is being used in classrooms.
2. Tutorial Interaction: Tutors help students by providing them with problem-solving assignments and giving them individual attention.
3. Peer-Learning: Students collaborate to create approaches to engineering problems during their third-year Mini projects and final-year Major projects.
4. Plickers: An interactive tool that replaces clicker devices with printable "paper clickers."
5. Conferences and Symposia: Students are encouraged to attend conferences and symposia organized by the college.
6. Community Learning Platform: Faculty utilize MOODLE as a community/social learning platform to communicate with students online, sharing study materials, assignments, quizzes, collecting feedback, and conducting surveys.

Other participatory-learning strategies used by the students include:

- Seminars & Technical Projects Competitions
- Group Discussions
- Road-shows

Fostering Creativity, Critical Thinking and Problem Solving:

i) Learning through research-based projects: Faculty assists and encourages students in preparing research problem statements to apply for funding. Learning through research-based initiatives has resulted in MSME projects valued at Rs.52.77 lakh.

ii) Project-based Learning: The project work by B.Tech students in III Year and IV Year & II Year M.Tech Students in terms of Mini/Major projects gives an opportunity to explore various problem statements/PoC in their areas of interest and practice cutting edge technologies. Students are encouraged to convert their projects to the product and the product to patent. GRIET is actively participated in AICTE- Student Learning Assessment Project. It is designed to measure the benchmark levels and gains in academic and aptitude skills by the students in technical programs and to understand the various factors that affect the skill development of students in Technical Institutes across India.

iii) Case-based Learning: Case-based learning is being practiced by teachers in appropriate courses. The daily lecture will begin with a case, and the rest of the presentation will be focused on the example and how it relates to the concepts and phenomena covered in the curriculum. This pedagogy aids students in connecting classroom learning to real-world experience.

File Description	Documents
Upload any additional information	View File
Link for additional Information	http://www.griet.ac.in/j_lab_griet.php

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

Information and Communication Technology (ICT) is essential for students in these days to learn 21st-century skills in order to be corporate ready. ICT in education improves engagement and knowledge retention. In order to bridge the gap, Teachers are combining new methodologies with the traditional mode of teaching to engage the students in long-term learning. GRIET uses ICT in education to support, enhance, and optimize the delivery of education.

"Effective teaching/learning environment for all the stakeholders at any time and anywhere" is the ICT policy at GRIET.

ICT Tools:

The following tools are used by the Institute

1. 90 LCD projectors are accessible in various classrooms and seminar halls.
2. 2000 computers are arranged in the Computer Laboratories, Faculty cabins and all over the campus.
3. Printers are installed at HOD cabins, Library, Examination branch and all prominent places.
4. Photocopier machines, Scanners-Multifunction printers are available at all prominent places in the institute.
5. Seminar Halls-Seven seminar halls are equipped with all-digital facilities such as mike, projector, cameras and computer system with an Internet connection.
6. Smart Board-Five smart boards are installed in the campus.
7. Online Classes through Newton Classroom- Faculty utilize Newton's classrooms as a community/social learning platform to communicate with students online, sharing study materials, assignments, quizzes, etc.,
8. MOOC Platform(NPTEL, Coursera, Udemy, Edx, etc)
9. Digital Library resources (DELNET,J-GATE, ASME, ASCE, IEEE, Science Direct, NDL, e-books, e-journals, etc)
10. Free Wi-Fi

Use of ICT by GRIET faculty:

1. PowerPoint presentations- Faculties are encouraged to use power-point presentations in their teaching by using LCD projectors. For effective teaching-learning, faculty are implementing TPS(Think-Pair-Share) activities, Flipped classroom, Peer Learning, Plickers, etc.,
2. Swayamprabha: Many faculty and students have been benefited from "Swayamprabha " at GRIET. The SWAYAM PRABHA is a group of 32 DTH channels devoted to telecasting high-quality educational programs on a 24 X 7 basis using the GSAT-15 satellite. Every day, there will be new content for at least (4) hours which would be repeated 5 more times in a day, allowing the students to choose the time of their convenience. The channels are uplinked from BISAG, Gandhinagar. The contents are provided by NPTEL, IITs, UGC, CEC, IGNOU, NCERT and NIOS. The INFLIBNET Centre maintains the web portal.
3. Industry Connect-Seminar and Conference rooms are digitally equipped where guest lectures and expert talks by eminent people from various industries are conducted and also various competitions are regularly organized for students.
4. Online quiz- Faculty can prepare an online quiz for students after the completion of each unit with the help of GOOGLE

FORMS .

5. Video Conferencing-Students are counseled with the help of newton classroom, Zoom and Google meet applications.
6. Video lecture-Recording of video lectures is made available to students for long-term learning and future referencing.
7. Workshops- Teachers use various ICT tools for conducting workshops on the latest methods such as Programming languages, simulations, etc.

For Both UG and PG programs, with all the ICT facilities, and experience gained earlier classwork is continued without a break using online mode under covid restrictions of work from home. Innovate Methods brought in improvisations to conduct living norms into near classroom facilities. The labs were exposed using simulations software, for hardware labs demonstration videos created and shared with the students.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://griet.newtonclassroom.com/ , https://docs.google.com/spreadsheets/d/167Tk2YYIFWuyuDgXLl10gvyxWxv_6oYl9Uvjrl88UR24/edit#gid=0
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

328

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

Dean Academic Affairs, with the help of the Academic Affairs

Committee, organizes all of the Institute's academic activities for the forthcoming academic year and ensures that they are followed correctly. The academic calendar and time tables make these plans public. Dean of Students Affairs prepared and issued the College Diary, providing a detailed calendar of events that incorporates both curricular and extracurricular activities.

Academic Calendar: For UG and PG programs, the Institute follows a well-planned academic calendar. This calendar is created in advance for the entire year and made available on the college website to students and teachers. GRIET has a separate academic calendar for I B.Tech courses and the same academic calendar for II, III, and IV B.Tech courses. The calendar encompasses dates for the commencement of classes for two semesters, dates for Mid (internal) as well as End (theory and practical) exams, preparatory holidays, and practical schedules for regular and supplementary examinations, all of which adhere to the statutory guidelines of 90 instructional days per semester.

The sample academic calendar for the academic year 2020-21 can be seen at the link below.

<http://www.griet.ac.in/images2/B.TechItoIVAcademicCalendar20-21.pdf>

The 2021 year is witnessed for graduating students to select their careers of their choice. Results are satisfactory indicating the effort put by all the faculty to switch to an online method of teaching. Bandwidth and lacking power are still some of the nagging problems for students belonging to some rural areas.

Time table: Each semester's timetable is planned and prepared well in advance. The overall Institute time table coordinator, in collaboration with department timetable coordinators, will establish schedules for each program and year in accordance with the guidelines. The timetable coordinator ensures that the academic activities are carried out in a consistent manner. There is also a separate hour given out for open electives, co-curricular activities, add-on spoken tutorials, Swayamprabha, and other activities. The Heads of departments make sure that stakeholders have access to the timetables.

The sample timetable can be found at the link below.

<http://www.cse.griet.ac.in/pdfs//iiiyrlsem2021.pdf>

Teaching Plan: Each course instructor (theory/lab) creates a teaching plan that includes course objectives, course outcomes, Program Educational Objectives, Program Outcomes, Lesson Plan, Session Plan, and Number of hours needed to finish each topic in a unit, tutorial, assignment, and other information. Each course instructor also keeps a weekly self-appraisal. The Teaching Plan assists the instructor in preparing handouts, lecture notes for the concerned day and facilitate the learner's needs.

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

328

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

105

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)

2422 years

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

Nil

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

47

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

GRIET has implemented summative and formative assessments, including:

1. Continuous Internal Evaluation(CIE)
2. Semester End Examinations(SEE)

In Continuous Internal Evaluation, To calculate sessional marks performance in two mid examinations for theory courses and one

internal examination for practical courses, as well as assignments, continuous assessment, quizzes, and records with proper weighting are considered. Periodic reviews are carried out in case of project work.

The following measures are implemented in Semester End Examinations:

- A comprehensive examination handbook and academic regulations are prepared, distributed, and made available on the website.
- For each course, question banks have been prepared.
- The exam schedule is announced on the institute's website and distributed to students.
- Subject experts from outside the institute set the question papers based on the Revised Blooms Taxonomy.
- Before questions are administered, the subject expert (moderator) thoroughly examines and validates them.
- The questions are frequently problem-based and test the objectivities.
- The integrated examination system is in place to handle the activities that occur before and after the examination.
- The question papers and response scripts are audited.
- Subject experts follow a transparent evaluation procedure with the answer keys.
- Through the use of bar codes, unbiased valuation is maintained.
- As part of experiential learning, the results are published in GCAP [GRIET Campus Administration Portal], an in-house software developed and maintained by our faculty.
- The student's grievance is taken into account, and there is an opportunity to appeal against the result like Revaluation, Recounting and Challenge Evaluations.

Pre-Examination Process

GCAP automates and manages pre-examination procedures such as timetables, Barcoded OMR answer booklet preparation, Seating plans, Invigilator duties, and D form generation.

Post Examination Process

Subject experts from reputable institutions evaluate the end-of-semester answer scripts in a spot valuation camp. The results are announced by the Result Committee, which includes a University (JNTUH) nominee, via the GCAP portal within ten days. Up to 12

security features are taken into account while creating Marks memos, Provisional Certificates, and CMM.

IMPACT

- The efforts made resulted in the examination being conducted smoothly and successfully according to the schedule.
- Results were declared within 10-12 days.
- The use of ICT has improved the quality of the section's functions, allowing for faster publication of results and resolving of grievances.
- The incorporation of the Revised Blooms Taxonomy has resulted in higher academic standards for students at both the teaching and evaluation stages. As a result, COs and POs have been efficiently mapped.
- Online examination portal has facilitated in the announcement of results being made more quickly.
- A greater degree of transparency is achieved. No grievance against the system.
- Nil Malpractices.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	http://griet.in/gcap/gradesdoestudentsearch.php

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

GRIET began implementing the Outcome-Based Education (OBE) methodology in 2014. OBE is a way of guaranteeing that Program Educational Objectives (PEOs), Program Outcomes (POs), Program Specific Outcomes (PSOs), and Course Outcomes (COs) are all attained.

In accordance with societal requirements, changing trends in technology, and other factors, Program Outcomes and Program Specific Outcomes were developed by Program Assessment Committees (PAC) of the concerned Programme in consultation with all stakeholders taking the reference from globally accepted Graduate

Attributes.

Course outcomes are direct statements made by module coordinators/course coordinators/subject experts summarizing the students' learning at the end of the course. The PAC is in charge of preparing CO attainments based on student achievement in midterm and semester exams, as well as other academic events such as project presentations and seminars.

All programs' POs and COs are carefully developed by related departments and subject experts and communicated to all stakeholders. Wide publicity is given for the same so that all stakeholders are aware of it.

Program Outcomes (POs) and Program Educational Objectives (PEOs), Program Specific Outcomes (PSOs) have been displayed in the

- Notice boards
- Laboratories
- Corridors
- Chamber of Head of the Department
- Staff Rooms
- Class Rooms
- Common Areas
- Moodle (Learning Platform)
- Departmental Web Sites.

Based on changes in the course syllabus and engagement with the student community, the Course Outcomes are clearly specified in the appropriate course files, which are made available to students through Course Plan, Moodle, and distinct departmental websites. Course outcomes are appropriately updated in accordance with CO's redefined procedure.

The COs and POs of the individual programs and courses are included in the student handbooks. Faculty members highlight the relevant CO and PO for the lectures/ Labs in the classrooms/ labs.

Apart from these, POs and COs are emphasized during

- Parents meet
- Induction Programs
- Workshops
- Industrial Visits
- Departmental Meetings
- Placement Drives.

Internal and external examination question papers are written in such a way that each question explicitly states the associated CO.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	View File
Link for additional Information	http://www.griet.ac.in/NAAC21/GR20_PINKBOOKS(CO's).pdf

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

Attainment of program outcomes, program-specific outcomes, and course outcomes are evaluated by the institution.

Course / Subject Outcomes outline what students will achieve and be able to do by the end of the course. The Course Outcomes specify what major skills, knowledge, attitude, and ability students should have. These are expressed as measurable and/or observable performance indicators. All academic activities, such as content delivery, demonstrations, group discussions, technical quizzes, seminars, and projects, have course outcomes. Assessment and evaluation methods are particular and specific and are intended to increase student learning.

The Program's Outcome / The Program's Outcome Student Learning Outcomes / Educational Outcomes outline what students will achieve and be able to do by the time they graduate. Outcomes are more specific statements that refer to the skills, knowledge, and behaviors/attitudes that students learn throughout the program. At the completion of the program, they reflect all of the Graduate Attributes.

The CO and PO attainment in each course are estimated based on internal and external evaluations. The CO-PO score is then mapped to each program's Program Educational Objective.

The CO-PO score and PEO attainment levels are also analyzed by the concerned faculty, who subsequently take corrective action so that these shortcomings are addressed in the upcoming semester.

The Direct and Indirect Methods are used to calculate Program Outcome Attainment.

Direct measures are used to examine or observe a student's knowledge or abilities in regard to measurable learning outcomes. CO-PO achievement is immediately observed by performance in Mid Examinations/Semester End Examinations.

Indirect measures are ones that rely on people's opinions or self-reports to determine the scope or worth of their learning experiences. Indirect methods include written surveys, questionnaires, exit surveys, and interviews.

Written Surveys and Questionnaires

Individuals/stakeholders (Parents/Employers/Alumni/Faculty) are asked to provide their thoughts of the program(for example, their own or others' skills/attitudes/behavior, or program/course qualities and attributes).

-Most common indirect measure

-Usually locally developed but also some national surveys that allow for comparisons (e.g., National Survey of Student Engagement, Educational Benchmarking)

Exit and other Interviews

Individuals (Parents/Employers/Alumni/Faculty) are asked to provide their thoughts of the program(e.g., their own skills/attitudes, others' skills and attitudes, or program attributes). in a one-on-one conversation with an interviewer.

-Generally indirect measure

-The interview could be crafted to include elements of direct measures

A detailed CO-PO Attainment (Both Direct and Indirect Measures) for a sample course is attached under Any Additional information.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	http://www.griet.ac.in/NAAC21/PO%20Attainments(2020-21).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

1305

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	http://www.exambranch.griet.ac.in/files/GR IET-Annual-Report-2020-21.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

[http://www.griet.ac.in/images2/Student Satisfaction Survey \(SSS\) 2020-21.pdf](http://www.griet.ac.in/images2/Student Satisfaction Survey (SSS) 2020-21.pdf)

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

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

GRIET gives a free hand to report research results and findings. However, a thorough review is done for all research proposals seeking funding from various funding agencies by consulting the research committee comprising the Director, Principal, R& C Dean, and Heads of respective departments and subject expert of the department. This committee also monitors the impact of research

and consultancy and ensures non-violation of research & consultancy ethics, professional ethics, privacy of the people, human rights, causing problems to health & safety of human beings and damage of the property.

Research Centers are established in various departments of the institute with necessary software and computing facilities for carrying out research activities in research centers are recognized under Jawaharlal Nehru Technological University Hyderabad, Woosong University (South Korea) and Master PCB Hyderabad. In 2020-21, 25 eligible supervisors from all departments (CSE, IT, ECE, EEE, ME, CIVIL) doing guideship for research scholars from various institutes like NITs, Annamalai University, Andhra University, Osmania University, JNTUH, JNTUA, GITAM and KLU etc. Mechanical Engineering department recognized as research center by JNTUH, Hyderabad.

The faculty and students are given freedom to choose the research area of their choice and guidance is given to seek funding from various funding agencies and industries. In 2020-21 GRIET received grants of Rs.113.676 Lakhs from various Government agencies DST, AR&DB, AICTE and also private agencies like Thermopads, ICRISAT, RR Infotech. The institute encourages faculty by providing incentives for publishing the articles in peer reviewed Journals, writing books and filing patents. In this academic year 428 Publications are published in various SCI/SCIE/ESCI, SCOPUS and UGC care listed journals, which includes conference proceedings and Book Chapters. The institute takes care of patent filing process, which is governed by the Research policy of the institute. 2 patents are granted and 8 patents are published.

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	http://www.griet.ac.in/images/R&D%20Policy.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)

1.38

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	No File Uploaded

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

35

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	No File Uploaded

3.2 - Resource Mobilization for Research

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

113.676

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	No File Uploaded

3.2.2 - Number of teachers having research projects during the year

13

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	www.me.griet.ac.in/r%26d/projects.pdf
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

25

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

6

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	www.me.griet.ac.in/r%26d/projects.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.

The institution has a vibrant ecosystem for innovations, Entrepreneurship, Incubation and startups. The innovation ecosystem is working towards creating a culture of creation and

transfer of knowledge among the students. The innovations including Advanced Academic Center, incubation center and Entrepreneurship are being headed by Dean Technology and Innovation Cell and Dean Entrepreneurship Development Cell.

Technology and Innovation Cell: This cell provides guidance in basic and applied areas of science, engineering and technology to students to become active partners in the economic development process. Technology and Innovation Cell offers support and mentor students for identification, development and commercialization of innovative ideas. This cell is responsible for the conduct of Business plan Competitions, Innovation Camps, Hackathons with active involvement of industry and alumni for better practice of innovation by students. Institute is having 42 functional MOU's were made to emphasize innovation with industry, Academia, NGOs to jointly exchange their expertise for mutual benefit and growth. The Cell provided guidance, support and resources to the researchers, innovators and creators. Rs 4.00 lakhs have been spent for the academic year 2020-21 in order to establish the facilities.

Entrepreneurship Development Cell (EDC): Entrepreneurship Development Cell was setup in the year 2005 with the vision to develop conducive environment for students to explore new avenues through innovation and imagination and thereby develop products and services relevant to society.

The Cell offers a special course on Entrepreneurship in association with Wadhvani Global University, Bangalore, India. Design thinking course has been introduced as a mandatory course to all II B Tech students and Entrepreneurship has been introduced as a mandatory course for all III B Tech students to enhance their mindset towards innovations. There are 22-startups generated in the college and out of 3-startups are generated in academic year 2020-21.

Achievements

1. Mr.Siddarth one of our alumni students has grown from a startup from our college to a private Ltd company with the name Syntizen Technologies which offers digital identity solutions provider that was funded by MasterCard and ACPL. The company is valued at 100 crores and having 150 employees
2. Out of the start-ups operating 5 products have been generated and 2 services have been operating

Incubation Cell:

GRIET has setup an incubation center which is recognized by MSME. Eight innovative projects have been completed which were sponsored by Ministry of Micro Small and Medium Enterprises (MSME). As a part of this initiative innovative ideas of students are converted into working products. 10 innovative ideas have been shortlisted under Scheme "Support for Entrepreneurial and Managerial Development of Small and Medium Enterprises (SMEs) through Incubators".

Notable Startups:

Name of the Startup

Year of Inception

Achievement

Ninth Creations Pvt Ltd

2020-21

Pvt Ltd Company

Cosups Pvt Ltd

2020-21

Pvt Ltd Company

Standard Programmed Instruments

2018-19

ChattraVishwa Karma Award

Rollin

2017-18

Distinctive Innovative Idea

Highdrone Technical Services

2017-18

Pvt Ltd Company

Syntizen Technologies

2014-15

State Formation Day Award

Technology and Innovation Cell and EDC Achievements:

Name of the Activity

Organized by

Date of event

Achievement

Hackathons

JNTUH In association with SOAL

9-10 March 2019

1st Runner Up

IBC

3-4 Aug 2018

1st Runner Up

JHUB, JNTUH

23-24 Feb 2018

Winners

SNIST-Engg College

1-2 Feb 2019

Winners

CVR-Engg College

11-12 Jan 2019

Winners

JNTU Sultanpur-Engg College

10-11 Jan 2019

Winners

CMR-Engg College

04-05 Jan 2019

Winners

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	http://ecellgriet.epizy.com/assets/pdfs/2021.pdf

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

Nil

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

A. All of the above

work Plagiarism check through authenticated software

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

5

File Description	Documents
URL to the research page on HEI website	http://www.griet.ac.in/research.php
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

243

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

185

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://www.me.griet.ac.in/naac/criteria3/3.4.4.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

1285

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

29

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)

45.75

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	No File Uploaded

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

5.5 Lakhs

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	No File Uploaded
Any additional information	No File Uploaded

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

GRIET provides a platform for a holistic overall development and plays a major role on societal needs by continuously motivating students and organized activities focusing on social issues during Covid Pandemic last year. Institute has three National Service Scheme (NSS) units with 400 dedicated student volunteers. In addition, there is a Street Cause wing with 150+ volunteers, Green Campus wing with 100+ volunteers and Women Development Cell with 150 volunteers. All these units work extensively on the societal issues in the neighborhood community of GRIET which NSS units sensitize towards social issues. These activities develop students into ideal citizens with high moral values and societal

responsibility. These social outreach programs brought a great impact on the holistic development of the students as they come across different categories of the people and their living standards. Every year during Independence Day and Republic day, the NSS students coordinate with the other clubs of the institute to demonstrate on a current social problem through parades, rallies. Extension activities in the neighborhood community during the last academic year.

The motto of NSS is 'Not Me But You'. Service to mankind is service to God. Imparting such values and attitude into students is the motive of the institution. Believing in this, the institute carries out a number of extension activities in the neighborhood community. NSS club received most prestigious awards at national level, state level and at university level with 9 awards in community service through NSS in academic year 2020-21.

GRIET -NSS received Certificate of appreciation from MGNCRE on 31 Aug 2020. Recognized as Swachhta Action Plan Institute and received Certificate of appreciation from MGNCRE on 9 Aug 2020.

Created awareness on National Pulse Polio Immunization Day at Nizampet Hyderabad, to educate people on importance of polio drops and fight against polio, to eliminate poliomyelitis (polio) in India by vaccinating all children under the age of five years against the polio.

GRIET adopted families in the slums providing them with monthly groceries for three months at Bachupally, Miyapur and KPHB Metro station Hyderabad. Activities like Covid Vaccination drive (2020-21) is conducted in GRIET with the help of Lotus Hospital. Utkrisht Sansthan Vishwakarma Award received from AICTE on 7th Sept 2020, financial contribution towards the relief fund against the spread of Covid-19.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	http://www.griet.ac.in/nss.php

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	No File Uploaded

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)

44

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

4452

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

472

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)

24

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	No File Uploaded

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.

The institute has a well-maintained campus established over 24 acres of serene green land which includes aesthetically designed buildings, open air auditorium and playgrounds. Institute has 75 classrooms, 109 laboratories, 11 seminar halls, 23 tutorial rooms, 3 drawing halls and 2 computer centers. The college itself is situated on a hillock which gives panoramic views of all surrounding land scape. Maximising the undulations of the natural surroundings, all the buildings have been uniquely designed with no common walls between rooms such that all rooms are adequately ventilated with natural light and fresh air.

All 75 classrooms are equipped with E-Learning facilities like LED Projectors, Wi-Fi, Smart TVs, and Large Screens. The Institution provides laboratory facilities with state of the art equipment suiting to the requirements of curriculum and research. All the laboratories/ classrooms have been established surpassing the specifications of All India Council for Technical Education (AICTE) as well as the affiliating university i.e., Jawaharlal Nehru Technological University Hyderabad (JNTUH).

each department are proud of their Centres of Excellence Laboratories.

EEE

1. E-Mobility Lab
2. Sustainability Technologies Lab

ECE

1. Clove Technologies Lab

CIVIL

1. Advanced Structural Engineering lab

CSE

1. AI&ML Lab
2. High Performance Computing and IoT Lab

MECH

1. Materials Processing and Characterization lab

IT

1. Emerging Technologies by Block Chain Technologies
2. DELL EMC Centre of Academic Excellence for Data Science and Big Data analytics
3. Microsoft Centre of Excellence

All of the above laboratories faculties are worked out and published nearly 20 papers in various international journals and conferences.

Special labs:

1. J-LAB
2. Oxford English Lab
3. Skill Development Centre
4. Lab VIEW Academy
5. CISCO Academy
6. ORACLE Academy

Every department is equipped with their own seminar hall to conduct conferences, seminars, workshops and guest lectures by eminent speakers. Each seminar hall is built satisfying AICTE

norms in size and area with Wi-Fi connectivity and air conditioning. Most of the technical events of the departments are conducted in their respective seminar halls.

Each department has adequate number of tutorial classrooms to conduct tutorial classes to address the queries of the students, Tutorial classrooms are equipped with white board, and other required furniture.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://www.griet.ac.in/infrastructure.php

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

For an all-round development of the mind, body and intellect, of student and staff, institute lays equal emphasis on beyond curricular activities, a practice which has been in vogue since inception of the Institute in 1997. Parallel to academics, the institute encourages the students to participate in sports and cultural activities and awards them accordingly. Four acres of land is provided for indoor as well as for outdoor games/sports. More than Rs100 lakh rupees has been spent for sports/Gym facilities as well as for other highly sophisticated equipment.

Facilities Available:

The facilities provided by the institute for indoor and outdoor games are as follows

1. Cricket Ground
2. Football ground
3. Basketball Court
4. Volleyball Courts
5. Handball Court
6. Khokho Ground
7. Kabaddi Ground
8. Cricket Practice Pitches
9. Two indoor stadias with gym, carrom Tables, chess Tables, snooker Table, Table tennis tables
10. Yoga Centre
11. Medical Centre at service

12. Rest rooms

1

Institute has a spacious and well equipped indoor sports rooms (separate facility for boys and girls) of 800 sq meters, accommodating various indoor games Facility is available for students and faculty members to meditate and practice yoga. Institution has a full-fledged Gym facility for faculty and students (Cardiac and Muscular).

Sports and Cultural Activities:

The institute promotes sports and games amongst the staff and students through a well-qualified male and female Physical Directors and a yoga instructor.

College teams are formed and trained to take part in state level, university level competitions and other intercollegiate competitions. Sports events are conducted at the interdepartmental level and the winners are awarded accordingly. Apart from indoor games, outdoor sports such as volleyball, basketball, throwball, cricket, football, and kho-kho etc., are well practiced and played by the students. In 20-21, institute has managed to conduct Khelotswav, intercollegiate games events covering volleyball, handball, khokho and table tennis for boys and girls. Our students won laurels for the the institution in the following games/Sports , Volley ball, BasketBall, Cricket, Football.

Every year international Yoga day is celebrated by conducting a mega yoga event. Beyond the curricular events, students are motivated and encouraged to participate in Pragnya-Annual Technical fest, PULSE- Annual Cultural Fest, Ruedo- Annual Environmental Fest, Annual Sports Day, Annual Day, Fresher's Day, etc., to exhibit the cultural, and artistic talents and promote harmony. Keeping the restrictions due to pandemic conditions, many events are conducted on line, keeping the spirits and enthusiasm alive.

Students are sent to other colleges for intercollegiate competitions like dances, singing and other cultural activities.

Student bodies like Spirals for Literary activities, Quizzical for quiz related events, Spices for culinary Skills, Rhythms for dance

and music periodically conduct events and competitions in their respective domains contributing to the wholesome development of the students. As these bodies are managed solely by the students. These activities strengthen the managerial capabilities of the students as they go through their academics in the institute.

File Description	Documents
Geotagged pictures	View File
Upload any additional information	View File
Paste link for additional information	http://www.griet.ac.in/sports.php

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

86

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)

937.61

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)

Name of the ILMS Software: KOHA Library Management Software

Nature of Automation: Fully

Version: 19.5

Year of Automation: 2017

Online Public Access Catalogue (OPAC): Open for all students and staff throughout the campus. Computerized Catalogue facility for the available book Search Services through the OPAC interface.

The GRIET Library is located in the "Block III" of the campus. It has a rich collection (1,28,350) of reference books, textbooks and research journals in both electronic as well as in print formats encompassing the field of engineering. Continuous updation using Information Technology or titles procured is incorporated to improve the quality and efficiency of the services that the library provides.

The Library is equipped with Reading Hall, Digital Library, Reference Hall and Newspaper Section. The entire Library is under the surveillance of CCTV cameras. Library has also Wi-fi access. The Library follows open access system encouraging the user to browse freely in the stock area. Library automation is done by KOHA Library Management Software and books are bar coded. Library is fully automated using the following Integrated Library Management System:

Digital Library:

The Institute has a digital library with 30 systems. It is automated through Knimbus Digital Library Software. It has a collection of e-journals from IEEE-ASPP, ASCE, ASME, Science Direct, JGATE. The digital library is available at locally and remotely. Access to e-books from MGH and CBS publishers is available within campus. IP based access to DELNET is provided within campus.

NPTEL Lessons are accessible through LAN.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://grietstaff.bestbookbuddies.com/

**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)

42.34

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

1211

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

The institute provides a large range of IT amenities and services with a state-of-the-art networking environment to support all students and staff for their learning, research, teaching, and administration. The institute has services like powerful central servers, web-based email application, Internet security system, anti-virus software and Network services.

Implementation of WLAN/wired network helps the faculty and students to connect easily within campus to the campus network without a wire. With this, all college blocks, laboratories, seminar halls and selected places in departments have excellent Wi-Fi connection at a speed of 1000 Mbps. Further, Rs.65 lakhs have been spent for CCTV/Video surveillance. The Security System runs round the clock and provides network services to support the IT needs of the Institution. Software and hardware are upgraded periodically as when a demand for the same arrives. Turnitin licensed software has been purchased by the institution for Internet-based plagiarism detection.

Four servers are maintained in the institution for Anti-Virus, NPTEL, Biometric and CCTV. The old network bandwidth of 1000 Mbps with an amount of Rs 2.31 Lakhs and is being utilized efficiently for academic and research needs. The institute network control center has been upgraded with Mikrotik Firewall. In addition, 500 computers have access to internet, 1558 computers are having networking, 96 Wi-Fi routers are available & 65 switches are also available. The entire institute is under 24-hour surveillance by 358 CC cameras. The campus is completely enabled with Wi-Fi. Digital signages are available at main locations in the campus for the display of activities/events/workshops going on in the institution.

Institute provides facilities of video conferencing through A-View sessions to conduct different workshops/FDPs in online mode.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://www.griet.ac.in/networking.php

4.3.2 - Student - Computer ratio	
Number of Students	Number of Computers
5427	2512
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. 750 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	
A. All four of the above	
File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://www.griet.ac.in/ict_gallery.php
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)	
1196.46	

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.

The college has created an excellent ambience for academic activities. It takes adequate care to provide the state of art physical facilities. A separate maintenance department looks after the maintenance of the physical facilities. Well laid out procedures are made available for maintenance of all departments. Each lab is maintained by the faculty in-charge of the laboratory. Appropriate AMCs are signed for maintenance of advanced equipment.

Library is being maintained by the Librarian and is monitored by the Library Committee. The requirements are processed through this committee. The Physical Director takes care of all sports facilities including Gymnasium. The computers are serviced and maintained properly, and the software are updated keeping in view of requirements. The ICT devices used for teaching learning are always given priority in maintenance. The college has generator facilities so that power cuts do not affect the conduct of classes and laboratory sessions. The institution takes proper care and indulges in planning exercises so as to ensure

optimum use of physical facilities. Being an engineering institution, the students are also involved in the maintenance of air-conditioners, power devices and transport. The college has adequate man-power to look after the maintenance of the campus including physical facilities.

Classrooms: Each department has adequate number of classrooms required to run the daily academic schedule. All the classrooms are well designed and ventilated. Each classroom is equipped with multimedia facilities. The classrooms are well-maintained and cleaned daily by the institute's housekeeping staff. Class coordinators keep a regular vigil on this. Occasionally, the classrooms are made available not only for government but also private organizations to conduct competitive exams.

Laboratories: Each department has adequate number of laboratories with state-of-the-art infrastructure thus, enhancing and promoting desired teaching and learning environment. Each lab has a lab-in-

charge and a lab assistant who maintains, updates and services the equipment time to time.

Computers: The campus has optical fiber backbone for inter-connectivity between buildings and each building have their LAN. The computer center is also utilized for online exams, aptitude tests, and other competitive exams. The server room is headed by the Network Administrator, who also looks after institutes networking facilities and computer maintenance.

Library: College Library accommodates various departmental journals, books in print and digital form. The library is well maintained by the Librarian and his team, taking the guidance from library committee which in turn takes inputs from all stakeholders. There is a campus maintenance team who look after cleanliness of the library regularly. Departmental libraries are taken care by the department faculty In charges of the concerned department and Central library has dedicated staff and maintenance team for Assistance and maintenance. Barcode scanner based stock verification is done. To inculcate more interest for faculty and students several rare books and manuscripts are made available in the central library.

Exclusive Facilities for Women: The institute provides restroom facilities for women students and staff. Institute has provided installed machines for sanitary napkin vending and safe disposal of used ones, keeping health and hygiene as a primary consideration. WDC members look after the cleanliness and

hygiene of the restrooms and the machines. Faculty and students can utilize yoga and meditation centers for their physical as well as mental fitness.

Health Care Facilities: Medical facility is available to students and staff on campus. A full time doctor is available who can take care of medical emergencies. A medical assistant, lady assistant and an ambulance are permanent features of the medical assistance. A first aid kit is available in every laboratory of each department.

Maintenance & Safety: Institute environment is kept clean, green and all amenities such as water for drinking, restrooms, gardening, and power are available round the clock through dedicated housekeeping staff. They are facilitated through borewells, dedicated water tankers, RO plant, Sewage Treatment Plant (STP), augmented by Rain Harvesting Scheme. All these are

looked after by Maintenance & Safety officer through team of expert tradesman. Health & hygiene checks, electric hazard, fire hazard drills are routinely done. With student representation, respective committees look after efficient functioning of transport, canteen, bank with ATM facilities.

Electrical maintenance: Electrical maintenance: Power supply and Electrical maintenance is maintained by Electrical and Electronics Engineering Department supported by electricians team for providing reliable electrical power to the college. The power is supplied by the TSSPDCL with a maximum demand of 500KVA. Diesel Generators which is capable of providing power back-up of 250 KVA initially, has gradually upgraded to 570 KVA (250KVA+320 KVA). UPS back up of 7 KVA is made available for Exam Branch , 20 KVA

for Server room and 60 KVA for computer labs. Solar power plant of 413 KWP capacity is available with online monitoring, net metering and is maintained meticulously by technical team.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://www.griet.ac.in/support_services.php

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

2996

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

79

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

5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology	A. All of the above
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File Description	Documents
Link to Institutional website	http://www.griet.ac.in/nss.php
Details of capability development and schemes	View File
Any additional information	View File

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

5427

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

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

through appropriate committees

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

5.2 - Student Progression

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

875

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

168

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

192

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

5.3 - Student Participation and Activities

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

6

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

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

Student Council activity:

Yes, the Institution does have Student Council that functions in integrating and executing the various student activities at the institution. Presently the Council consists of elected representatives of all student professional bodies, college activity groups. This truly represents the student body as every student is expected to be part of one of the professional body or college activity group. Dean Student Affairs acts as the link between the student council and the College Administration.

Budgetary allocation for various activities is decided. Yearly planning is done right in the beginning of the academic year and a college diary is published for the yearlong activities with dates. Student bodies ensure that these are planned, executed, impacts are analysed keeping Cos and POs in mind, reports are generated for posterity and for future improvement. They truly stand for "of the students, by the students and for the students".

The major activities conducted by the Student Council during 2021- are as follows:

List of events organised by Students Council:

S.No

Name of the Programme

1

Graduation day

2

Technical Fest: PRAGNYA

3

Cultural Fest: PULSE 20-21 could not be done due to crowd restrictions as the Pulse-day and covid lockdown were on the same day i.e, 22 Mar 2020.

4

Spirals

5

Spices

6

X-Kernel

7

Scientific Forestep

8

Quizzicals

9

Rhythms

10

Fresher`s Day

11

Inauguration of Clubs and Associations

12

Sports Day Khelotsav

13

Annual Day

14

Alumni day

15

Environmental Fests Reudo

16

Engineers day

17

Peace day

18

World Water Day

Students' role in academic & administrative bodies:

The institute believes in giving the freedom and opportunity to the students to be part of the administration of college affairs. College created the eco system and a right platform for the students to be part of and participate in various academic and administrative bodies. The details of academic and administrative having students' representation is as under:

1. Class Committees

2. PAC
3. BOS alumni members
4. IQAC
5. Editorial
6. Library
7. Discipline
8. OBC, Minority, SC ST committiiies
9. Anti sexual harasssment comt
10. Transport
- 11 Canteen
12. Student Council for beyond curricular

IEEE:

Gokaraju Rangaraju Institute of Engineering and Technology has encouraged the student body to associate themselves with this world-renowned organization through the IEEE local chapter. The petition to form an IEEE student branch at GRIET was approved on Jan 4, 2006. The IEEE Student branch was inaugurated on Feb 24, 2006, by Dr. M.B. Srinivas, Chairman, IEEE Hyderabad Section.

The main purpose of the branch is the dissemination of the knowledge of the theory and practice of all aspects of electrical engineering, electronics, computers, mechanical, biomedical, radio, allied branches of engineering or the related arts and sciences, as well as the furtherance of the professional development of the students.

CSI:

Computer Society of India GRIET was established in the year 2014. The main motive of CSI student chapter is to encourage the students not only in academics but also in other technical aspects. The Computer Society of India is a non-profit professional society and meets to exchange views and information learn and share ideas. The wide spectrum of members is committed

to the advancement of theory and practice of Computer Engineering and Technology Systems, Science and Engineering, Information Processing and related Arts and Sciences.

ISTE:

The ISTE at GRIET was started in the year 2004. The faculty, students and management of GRIET took keen interest in establishing ISTE student chapter, GRIET. ISTE has been very active in promoting the ideals for which it was embarked. ISTE conducts various co-curricular activities which redress with the changing curriculum and educational processes. It has always tried to improve students' technical prowess and bolster them to put their learning into practice.

SAE:

The student body of Gokaraju Rangaraju Institute of Engineering and Technology is encouraged to associate themselves with this world-renowned organization through the SAE local chapter. To advance mobility knowledge and solutions for the benefit of humanity. SAEINDIA GRIET COLLEGIATE CLUB is the leader in connecting and educating mobility engineers to enable safe, clean, and accessible mobility solutions.

ICI:

Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad has started a Student Chapter of INDIAN CONCRETE INSTITUTE, a reputed educational institute which excels in both academic and research. The chapter is named as ICI-GRIET Student Chapter (Life Membership No : 9814) and inaugurated on 10th October, 2012. The ICI Hyderabad Student chapter is requested to extend all possible support to rope in more student members to ICI fold and enrich their knowledge and skills by organizing more Technical courses

SME:

The society of manufacturing engineers (SME) GRIET student chapter to promote manufacturing through organized effort in study, research and discussion of the profession and the dissemination of knowledge thereby gained.

IETE:

To promote the general advancement of Electronics & Telecommunication Engineering, Computer Science & Engineering, Information Technology and allied subjects & application of these(referred to as the discipline henceforth) and to facilitate the exchange of information and ideas onthese subjects amongst IETE members.

AAC:

Advanced Academic Center (AAC) is an inter-disciplinary research center of GRIET, Hyderabad. AAC is dedicated to excellence in teaching, learning and research, and is continuing to flourish advancements in this modern world.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://www.csi.griet.ac.in/

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

22

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

GRIET, since is established in year 1997, has been striving to achieve and impart quality education with an emphasis on practical skills and social relevance. Over the years many young men and women graduate through the portals of GRIET to be change masters in society. The alumni of GRIET are now spread across the world, contributing to the society as Engineers, Teachers, Scientists and Entrepreneurs.

GRIET celebrated Alumni Day on 19 Dec 2020. Total 670 alumni registered for alumni day and 240 alumni are participated on Alumni Meet virtually due to Covid pandemic situation. On Alumni day Dr Bh. Appala Raju, Vice President Stork Group of Companies, Moscow, Russia as a Chief Guest, Mr Hitesh Vadlamudi, 2007 batch in Information Technology has been nominated as Best Alumni 2019-20. Mr Hitesh Vadlamudi has been facilitated with Jandhyala Venkata Rao and Nagaratnam endowment award for Distinguished Alumnus Award 2019-20 virtually. Mr. M G Sekaram, Dr Jandhyala N Murthy, Dr J Praveen, Dr K S N Raju, Dr Bh. Appala Raju Chief Guest, Dean Alumni N V Ganapathi Raju along with Faculty, HODs and Deans of GRIET participated in Alumni Event. At present 10,000 alumnus are on boarded to GRIET alumni network. GRIET purchased alumni product for onboarding alumnus from Vaave Networks by spending Rs 25,000/-. At present 10,000 alumnus are on board.

GRIET alumni contribution can be in the following manner:

- Discuss with current students: Firsthand experiences in the challenging real life is always welcomed by graduating engineers and they will be keener to learn from their pass-out seniors and these exchanges are always fruitful. This is conduct under the heading Parampara.
- Guest lectures/Workshops: Academic syllabus always endeavors to catchup with changes in technology. Institutes try hard to fulfill the gap through value added programs in the form of guest lectures. Alumni is ideal source for this as they understand both society and the college culture.
- Financial support through alumni contribution: Alumni of GRIET is financially contributing to college. At present by 30 June 2021 they contributed Rs 25,00,000/ lacks.
- Labs by Alumni:
- BOS members: GRIET alumni are part of Board of Studies (BOS) members and Internal Quality and Audit Control (IQAC) as Coopted members.
- Jobs by Alumni/Referrals for jobs: Alumni are helping their juniors by providing Information about job openings in the current markets and many a time alumnus themselves are part of the placement finalize groups. And some are established entrepreneurs offer jobs.
- Internship by Alumni: Some of the alumni are providing internships assistance for the students in their ventures.
- Alumni Feedback: Alumni feedback are of the key inputs to strengthen the teaching and learning environment at the institute.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://alumni.griet.ac.in/

5.4.2 - Alumni's financial contribution during the year	A. ? 15 Lakhs
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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

A Governing Body (GB) has been constituted as per the statutory provisions involving major stakeholders. Members sign a conflict-of-interest policy at the time of appointment to ensure transparency in decision-making. GB ensures that all decisions on the matters such as admission, new programmes, R&D, infrastructure, TLP, and placements are arrived at based on the strategic plan that reflects the vision and mission. While implementing the decisions top-down approach is followed and to realize the corrective mechanism bottom-up approach is followed using a feedback system, where all the stakeholders can voice in achieving the institution's vision.

The Principal, as Member-Secretary of GB, conducts all GB meetings ensuring that all provisions of the university by-laws, statutes, and regulations are observed. As Chairman, he convenes the meetings of the Academic Council, Finance Committee, IQAC, Selection Committees. Periodic meetings with all HoDs and Deans to monitor curricular and beyond curricular activities at the institutional level.

HODs conduct departmental meetings to implement decisions taken at the institution level, discuss the requirements of various sections in the department to achieve program objectives. The teachers, being members of the Departmental Development and Monitoring Committee, also respective Boards of Studies and other

committees, are actively involved with all the decision-making bodies of the institution, contributing to governance and perspective plans, in achieving the vision and mission of the institution.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	http://www.griet.ac.in/governing_body.php

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

The institute practices decentralized participatory governance. A transparent mechanism exists in all the activities and decision-making processes. The institute has well-defined policies and procedures in place to ensure transparency and good governance.

Case Study: Curriculum development

GRIET, with the autonomous status bestowed on it, constantly endeavors to update the existing curricula so as to address the challenges of liberalization, globalization, and privatization being faced by the industry and the society under the changed global scenario. The institution has adopted rightly the outcome-based education and has designed various OBE elements such as PEO, PO, PSO, and COs for the various academic programmes and courses offered, in consonance with the needs and aspirations of the state and the nation. Apart from providing adequate engineering knowledge, the curricula designed contribute to the development of desirable attributes, professional ethics, and relevant technical and non-technical skills with the aim of honing higher-order thinking skills in the minds of students. A well-structured system exists in the institute for the introduction/revision of the curriculum.

Board of Studies and Academic Council have domain experts serving as members and hence syllabi of all programs framed taking into consideration the suggestions of the stakeholders and the needs of the industry. Specific feedback is obtained from the alumni and students, so as to address their concerns. Revision is carried out once in at least two years. However, need-based revision is carried out every year based on the requirements. The institution provides academic flexibility so that the interest of the students

is under prime focus. Thus, the institute effectively uses the autonomous status and has come out with unique courses which have direct linkage with the initiatives of the Government of India and the State Government. Keeping in mind that Telangana State Government has declared 2020 as the "Year of Artificial Intelligence" (<https://it.telangana.gov.in/sectors/emerging-technologies/2020-year-of-ai/>), AI and Cyber Security courses are introduced for all the programs during that year.

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	http://eeeddept.griet.ac.in/naac/6.1.2.pdf

6.2 - Strategy Development and Deployment

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

During the last 25 years of existence, the institute has been planning meticulously to move forward in all the three dimensions of education viz., teaching, research, and extension. The planning exercise involves all stakeholders viz., students, faculty, parents, industrialists, academic peers, and the management. Keeping in mind the needs of the industry and society, the institute has brought out a perspective plan document which has been approved by the Governing Body and uploaded on the website. GB reviews the strategic plan and attainment of goals/targets. Suggestions from all quarters are well taken for the journey towards academic excellence. Following the guidelines, Strategic Plan 2015-20 was reviewed, deliberated and Strategic Plan 2020-25 was released and all activities are as per the plan.

Whereas COVID-19 pandemic has led to sudden disruption in normal life and enforced closure of many institutions across the globe including educational institutions. Extended closure of educational institutions will cause loss of learning. To mitigate the impact of the pandemic, institutions will not only have to remodel and reimagine the way teaching and learning have happened so far but will also need to introduce a suitable method of delivering quality education. We at GRIET prepared, practiced, and implemented the following strategies to reduce the impact of

pandemics on the quality of education.

1. FDPs for effective usage of digital media while handling online teaching-learning process
2. Digital equity among students
3. Continuous monitoring and mentoring of students
4. Efficient delivery of course content during scheduled online class using Newton Software and Google Meet Video conferencing tool
5. Usage of Google Classroom Learning Management System for sharing all course content, assignments, and quizzes.
6. Usage of virtual labs for practical courses
7. Guide students to use online resources in MOOCs platforms like SWAYAM, Coursera, edX.
8. Internal examinations were conducted using Code Tantra proctorial platform.
9. External examinations were conducted in offline mode taking all COVID-19 precautions. External examination timings were reduced from 3 hrs to 2 hrs per exam. The question paper pattern is also modified to meet the time restrictions.
10. Evaluation of external examination scripts is also done in offline taking all precautions and declaring the results.

Case Study:

GRIET being a premier technical institution functions with the vision of blossoming into the best of institutions for engineers, taking every effort to improve the NIRF ranking of the Institution to enhance its visibility across the nation. Brand Identity is one of the goals in the Institutional Strategic Plan 2020-25 with a detailed strategy of improving and maintaining high rankings in surveys by government and non-government agencies.

In order to improve the NIRF ranking of the Institution, a clear strategy is detailed and implemented. The following action plan has been implemented:

1. Brainstorming sessions among Heads and Deans of the Institution to understand the NIRF Framework and component level metrics
2. R&D efforts have been channelized through R&D coordinators of each department. Detailed Policies for patents and conference publications have been issued.
3. Performance-based incentives are linked with the R&D outcomes of each faculty to encourage faculty members to publish research articles in indexed conferences and

journals.

4. Various NIRF Component Level metrics and related data items have been traced on a fortnight basis to check against benchmarking.

The above strategies for improving NIRF ranking has paid rich dividends:

1. The NIRF ranking of the institution has been improved from 179th rank in 2019 to 172nd rank in 2020 to 165th rank in 2021.
2. A significant improvement is recorded in the Parameter "RPC" which helped in improvement in NIRF rank from past 3 years.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	http://www.griet.ac.in/images2/strategic%20plan%2020-25.pdf
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.

GRIET has a well-structured administrative set-up which ensures the excellent conduct of academic programmes. The organogram gives the organizational structure that exists in the institution. GRIET is a self-financed institution and is governed through a Governing Body, which is responsible for its overall administration and control. The Academic Council regulates and guides all academic matters. AC supervises the academic work of the institute, direct method(s) of instruction, evaluation, research and improvements of academic standards. The principal along with HoDs and Deans supervises and maintains the academic ecosystem in the institution.

The rules and regulations of the institution are revised periodically following the due procedures. The following policies are duly formulated, approved by the concerned committees are uploaded to the website.

- Admission Policy
- Recruitment Policy

- Research Policy
- Patent Policy
- Financial Support for Skill Upgradation Policy
- Consultancy Policy
- Exam Manual
- SOP - Maintenance Manual
- Administrative and Financial Rules

There is a proper grievance redressal mechanism in place. For faculty, staff, and students related grievances, a grievance redressal committee, as per the UGC/ AICTE guidelines, is set up in the institution. The institution has zero tolerance for sexual harassment, discrimination based on caste, colour, religion, etc. There are statutory committees like Internal Compliance Committee, Anti-ragging Committee, SC/ST standing committee as per the directions of UGC / MHRD which function effectively.

Detailed activities such as Promotions, Service rules, Recruitment, Discipline, etc. are available in Red Book.

File Description	Documents
Paste link to Organogram on the institution webpage	http://www.griet.ac.in/Organization_Chart.php
Upload any additional information	View File
Paste link for additional Information	http://eeeddept.griet.ac.in/naac/6.2.2.pdf

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	No File Uploaded

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

Institute recognizes and endeavours to maintain the welfare of all the employees with a high degree of satisfaction. The following are some of the amenities/service facilities provided to the Teaching and Nonteaching staff.

1. Paid leaves approved for those faculty and staff who were impacted by COVID-19.
2. A salary advance is sanctioned to those who have requested to meet the emergency medical expenses during the pandemic situation.
3. Financial support to an extent of Rs 3.53 Lakhs provided to faculty attending conferences and workshops.
4. Incentives and seed money for best research work to an extent of Rs 69,340.
5. Full-time medical facilities with qualified Doctor and nursing facilities are available in the institution and an ambulance is available for the staff and students.
6. Well-equipped Sports and Gym facilities are provided for faculty and staff.
7. Subsidized food in the canteen for teaching and non-teaching staff.
8. Free transport for Teaching and Non-Teaching staff.
9. Pantry facility in all the departments with Refrigerator, Induction Stove, Coffee machine, water dispenser, etc.
10. Recreation trips to all Teaching and Non-Teaching Staff.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://assessmentonline.naac.gov.in/storage/app/public/agar/16366/16366_230_526.pdf

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

76

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

29

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.)

182

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

Institute conducts regular financial audits by a certified & recognized CA, M/s. PR Datla & Co., Hyderabad through Gokaraju Rangaraju Educational Society. Internal audits are also performed by the Management / Principal / CA.

GRIET ensures that financial audits are conducted regularly.

Audits are done on all the aspects of the financial functioning of the institute in a systematic procedure, following all the financial policies and procedures. Final audit reports are uploaded to the institutional website.

The Finance committee headed by the Principal conducts a periodic internal finance audit for verification and validation of payments, receipts, cash books, and ledgers for compliance.

The institute engages a reputed firm/agency for conducting an external audit, usually once in a financial year. The audits are duly approved by authorized officials. This way the audits ensure that all the functions are carried out in the strict interest of the institute and are directed towards the prosperity and development of the institute. Copy of final audit report is brought to the knowledge of the concerned officials to rectify any inaccuracies and inconsistencies that occurred in their working. All the accounts are monitored on regular basis internally by Senior Administrative Officer and Accounts Officer.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://www.griet.ac.in/finance_committee.p hp

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

0.76

File Description	Documents
Annual statements of accounts	View File
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

Mobilization of funds: Being a self-financed institute, the major source of revenue is tuition fees collected from students. The fee

collected will be deposited in FD and utilized as per the Institute needs to be decided by the finance committee. Interest on fixed deposits is also used for the developmental activities of the institution. Faculty also contribute in terms of R&D projects received from various government and non-government organizations amounting to an extent of Rs. 66.996 Lakhs. Consultancy and Philanthropic contributions by the individuals are also a part of the fund mobilization process that resulted in Rs 73.97 Lakhs.

Utilization of resources: Well-established procedures are in place for the effective utilization of resources to achieve the goals of the institution in line with the strategic plan. Planning for the utilization of funds starts from a section in charge presenting their annual budget proposals for the academic year before HoDs. After the deliberations at the department level, HoDs forward the budget requirements to the Institute Finance Committee (FC). FC reviews the income and expenditure made in the previous year and prepares the institute budget for the current FY. The same will be submitted to GB for approval. GB will review the budget estimates and discuss the future planning as per the strategic plan and approve the budget. FC communicates the approved budget to the departments and continuously monitors the utilization. GB constantly reviews the utilization of funds during the academic year and suggests the appropriate resource allocations. At the end of the financial year, all the income-expenditure statements are audited by a chartered accountant. Audited statements are reviewed by the GB while considering utilization and future allocation of resources.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	http://www.griet.ac.in/Mandatory_Disclosures.php

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)

IQAC at GRIET has contributed significantly to institutionalizing the quality assurance strategies and processes. Following are the two major initiatives that has resulted in growth of the institution.

Case Study 1: Impact of Certifications on student placements:

GRIET is highly dynamic and responsive to rapidly change industrial needs. Therefore, IQAC in association with the placement team constantly analyses the job market to learn the changing trends and the employer's anticipations, to suggest proactive measures. "Specialization" is the mantra and "in demand" courses are given preference. Equipping students and authenticating the skill-level of the pupil in 'specialization' through a 'certification program' apart from the imparted basic technical skills in the form of Campus Recruitment Training will be a gamechanger. Because it will open up multifarious avenues in various renowned companies with attractive packages.

Considering these findings, our institute started offering various certification programs like AWS (Cloud Foundation, Cloud Solution Architect, etc), CISCO (Cisco Certified Network Associate), ServiceNow, Redhat Linux Admin, Blue Prism (RPA), ORACLE (Oracle Certification Java Programming), Simplilearn Cyber Security, NPTEL, Coursera, Udemy, for increasing the students' prospects.

This has offered us immediate positive results. In 2019, amongst 796 selects, 02 students were placed in Amazon with 28 LPA, a student was offered in Flipkart with 25 LPA, 02 students were selected for ServiceNow with 10 LPA. In addition to this, nearly 50+ students were offered with 7 Lacs and above packages. In 2020, around 930 students were placed, and a substantial growth was observed as 01 students was selected for Microsoft with 41 LPA, 04 students were selected for Amazon with 30 LPA, 05 students were selected for CISCO with an offer of 12 LPA, 05 students were selected for DBS with an offer of 8 LPA. In addition, nearly 120 + students were offered with 7 lacs and above packages in 2020.

With these results, our institute is even determined to explore many more new career prospects by introducing an added number of new certification courses to offer a wide variety of opportunities for our students by enabling our students to realize their own potential.

Case Study 2: One to one interactions and research groups

resulting in a conducive environment for the growth of R&D

The Institute introduced several initiatives to improve the research excellence in terms of quality and reliability of the research. Some of the major initiatives are

(1) Senior management (Director, Principal, Dean R&D) having one-to-one meetings with each and every faculty of the department

(2) For three to four faculty a senior professor is assigned to guide and monitor the research activities of the faculty

(3) Faculty pursuing Ph.D. are assigned M.Tech. projects as a supervisor under the guidance of a senior professor of the department.

These initiatives have secured positive outcomes in the form of an increase in the number of publications from 301 in the year 2019-20 to 423 in the year 2020-21. In the year 2020-21, GRIET has secured funded research projects (DRDO, DST AICTE, AR&DB, etc.) worth Rs.106.806 lakhs when compared to Rs. 76.865 lakhs in the year 2019-20.

In 2020 Institute has secured 172 NIR Frank and NAAC A++ grade vindicating our efforts to enhance research performance due to adopted research initiatives in the Institute. Various international conferences, STTPs, FDPs are conducted exposing the faculty, research scholars, and postgraduate students to various aspects of research. To enhance research, the institute announced a research promotion policy such as the provision of seed grants for research and financial support for filing patents.

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File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://www.griet.ac.in/research.php ; http://www.griet.ac.in/placements.php

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

The IQAC periodically reviews the teaching-learning process as

well as related infrastructure. The areas that need immediate attention, particularly during the COVID-19 pandemic period, were prioritized. The following improvements included in the content delivery and evaluation procedures are listed below:

- Faculty are encouraged to participate in FDPs to learn how to use digital media/ tools effectively in the online teaching-learning process.
- The institution has developed a Newton classroom MIS portal using Google suite to facilitate online teaching.
- Faculty members are also advised to continue the use of active learning techniques as a standard teaching pedagogy during online classes.
- Offline classes are augmented with Google LMS, Google classroom to provide online assignments, quizzes, etc.
- The Internal Academic and Administrative Audit is carried out regularly and any shortfalls identified are addressed from time to time based on the benchmarks. Some of the measures include submission of course handouts, monitoring of course delivery and assessment, remedial actions for slow learners, the timely conduction of project reviews, compliance with academic calendar and regulations and uniform course delivery and evaluation system.
- The Institute encourages collaborative learning between industry and academia as a means of reinforcing its curriculum with practical and real-world experiences.

The teaching methodologies are improvised continuously by adopting several best practices, enabling the learning to happen by evolution rather by enforcement.

Case Study 1: Student Training Programs

One of the initiatives by the institute is student training programs. These programs are designed to provide professional skill sets with the goal of enhancing opportunities in the industry. The programs involve various activities which help to boost employability through technical skill improvement, aptitude skill improvement, personality development communication skill development. All the students were given programming skills through C, C++, JAVA, Python, etc. in addition to DBMS. The assessment of the students is done by industry experts and the review is taken by the department. The assessment is done by industry experts as well as the internal faculty members and the review is taken by the departments. The effective implementation of student training programs helps in the overall development of

students at GRIET.

Case Study 2: Use of ICT infrastructure

The use of ICT tools has become an integral part of the teaching-learning process. GRIET always encouraged teachers to utilize these tools in teaching theoretical courses along with laboratory courses. Departments are equipped with ICT infrastructure such as Google Classroom, Google LMS, Newton Classroom MIS portal, Digital Smart Boards, LCD projectors, etc. The faculty of the institute were trained to use various ICT tools. The educational use of social media has also been utilized to establish communication with the students and peers. In teaching and learning, the feedback system is implemented to take the review of the reliability and uses of ICT facilities.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://griet.newtonclassroom.com/login

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	http://www.griet.ac.in/annual_reports1.php
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

The Institute is highly conscious about gender sensitivity issues. Hence, it has taken many initiatives given below:

Women's Development Cell addresses problems of women employees and empowerment of women with the following Objectives:

1. Created awareness on equal opportunity for women that will ultimately lead to improved socio-economic condition of women through Women Empowerment - Orientation Program organized on Women's Day (31-03-2021).
2. Bring about attitudinal and behavioural change in the adolescent youth of the female gender.
3. Provide a harassment-free working atmosphere by identifying and fixing responsibility on the concerned persons for ensuring equal treatment of and participation by women in all areas.
4. Organized programs for women to empower them financially, emotionally, mentally and physically.

List of activities organized for Gender Sensitization

S. No

Date

Name of the Activity

1

30/06/2021

A Webinar on "Nutrition in Women" in association with WDC was organized to the students

2

31/03/2021

Organized Orientation program for Women Empowerment Program

3

29/03/2021

A Webinar program on "Cyber Sakhi" in association with WDC

4

08/03/2021

A Seminar on "How to balance the life as a woman at home and at workplace" given by Ms Kranthi Ahron Jannu on occasion of Women's Day.

5

08/03/2021

An online event "Rise Above" was organized with a Chief Guests - Udaya Lakshmi (IAS) on topic "Good Conduct and Discipline", Dr Snehal Deshpande (Director - SNEH) on topic "How to practice Meditation" and Ms Parul Sharma (Head HR, Volvo-Eicher Commercial Vehicles) on topic "Techniques to be adopted in Professional, Financial and personal life"

6

11/01/2021

Rangoli competition was held during the month of January

7

25/08/2020

Drawing and Painting competitions organized to promote the Indian culture

8

10/08/2020

A Webinar program organized on Financial Management, to educate the importance of insurance and other financial managing to the students given by Lamico Software Team

9

08/07/2020

To get relief from the Stress during the lockdown time, WDC of GRIET has organized a Fashion show program for the Students

Deal appropriately with reported cases of sexual harassment, abuse or discrimination, and initiate action on the grievances of women, through Prevention of Sexual Harassment Cell.

The institution is also aware of the need for the organizational practices and policies to be made in such a way that they will not hinder the participation of women. This is ensured by implementing the following measures.

1.Hiring and recruitment practices - Equally qualified people are treated equally irrespective of their gender.

2.Resource allocation - Resources are allocated on priority for woman related facilities like common room, sanitary napkins dispensing machines, separate washroom, separate canteens, CC Camera's in every Classrooms and Blocks etc.

3.Common room and separate dining area facilities have been created.

4.Participation rates - In all the programs and activities conducted in the campus it is ensured that woman participate on par with men.

5.Activity programming - Activities specific to woman are planned and hosted in the campus to develop the managerial skills of female faculty & students.

6.Promotional materials - They are designed in such a way that girls and women are not being excluded or stereo typed in pictures or language.

7.A mandatory course has been offered to all the programs for Gender Sensitization through Value, Ethics and Gender Culture.

8.Facilities are created to cater for health and hygiene related issues typical to the gender for example sanitary napkin provision and safe disposal.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	http://www.griet.ac.in/Womens_Development_cell.php

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
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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)

GRIET has developed environmentally sustainable Solid Waste Management through Tri-Bin practices. The organic wastes like dry leaves, plant waste, shrubs and bushes waste are collected and deposited in the compost pits further used as fertilizer in GRIET campus.

Collection of dry in Blue dust bin, wet in Green dust bin, and electronic wastes in Red dust bin are collected separately. All the other solid waste from the Campus including kitchen waste is handed over to Greater Hyderabad Municipal Corporation (GHMC) garbage collecting vans.

Big Book Collection Day is done through GRIET Street Campus- Student Chapter in the campus. Exam and restricted papers are handed over for shredding under supervision, remaining waste papers, old files, old books are collected from blocks in the campus and handed over to ITC Company for recycling.

Liquid waste from non-toilet plumbing fixtures such as showers, sinks/ basins, and taps are processed through STP - installed in GRIET with a capacity of 100K litres per day. Recycling of 85% (i.e., > 40K litres) from the available 50K litres of wastewater generating from the campus is done. Chemistry Laboratory

discharges neutralized acid base solution and dissolved salts are treated in STP. The treated water parameters monitored continuously to be in permissible limits. This water is used for garden watering and toilet flushing through dual plumbing lines provided in GRIET Campus.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	View File
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	View File

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

<p>7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:</p> <ol style="list-style-type: none"> 1. Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5.Beyond the campus environmental promotional activities 	<p>A. Any 4 or all of the above</p>
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File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	View File
Any other relevant information	No File Uploaded

<p>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,</p>	<p>A. Any 4 or all of the above</p>
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reader, scribe, soft copies of reading materials, screen reading, etc.

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

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

During 2020-21, COVID-19 pandemic, though the stringent actions taken by the Indian Government, cases were very large in number. Imposed Lockdown for almost 98 days, influenced most of the sectors, among which the worst effected was the Daily wagers. Hence NSS-GRIET acted its part of role in serving breakfasts to these wagers, donated 50 blankets to home-less.

NSS-GRIET has distributed 200 safety masks and Sanitizers to the near-by colony people. As a part of health-conscious activity, NSS-GRIET organized Pulse Polio Campaign for 258 children in the Government school. Awareness activities organized to 200 outsiders by NSS-GRIET team on COVID-19.

GRIET encourages students for planting of trees through Haritha Haram - a Telangana State initiative, creates socio-economic impact in GRIET as well as in surrounding colonies. Webinar on "Tackling Waste Management" was organized for students to prevent and manage waste. Communal harmony through cooking event organized under "Spices" program held on 09/06/2021.

To condemn the acts by the Terrorists on our country, Anti-Terrorism Pledge has been taken by the students on 21/05/2021 along with the faculty.

Leadership qualities presented by Subhash Chandra Bose against Britishers were recollected on his 125th Birth anniversary celebrations on 23/01/2021. To create awareness against the corruption, GRIET organized competitions like essay writing,

elocution and taken a pledge on 29/10/2020 towards Vigilance Awareness Week.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File

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

GRIET is highly conscious of fundamental duties and rights like Independence and Republic day celebrations as per our Constitution and makes of every opportunity like Induction programs and Indian festivals. These activities are organized to sensitize the students right from their admission, so that they can work for the society as and when the nation calls for.

During COVID-19 the worst affected were daily wagers - as they didn't earn for their living even after COVID-19 pandemic. GRIET, has played its societal role in delivering the breakfast to nearly 102 daily wagers in surrounding colonies. Donation of 50 blankets is done on 27/12/2020 as Christmas gift through "Santa Lies Within" program to the homeless, provided grocery and other essentials to the Ashreya Oldage home on with the support of NSS-GRIET student chapter which incorporates the fundamental right to have shelter and food.

COVID-19 pandemic reminded harshly, everyone to follow healthy diet, keep surroundings clean in addition to maintaining social distance, sanitization and wearing face masks. GRIET has decided to educate its faculty and students about myths and facts about the Covid, there after this knowledge can be shared within the society. NSS-GRIET student chapter organized activities on Covid - "Doodle on Covid" on 26/07/2020 nearly 30 students had participated, "Covid Awareness Program" on 02/05/2021 nearly 205 participants were attended. Distribution of 200 masks and Sanitizers are done inside the campus as well as nearby colonies and educated to take necessary precautions to protect themselves from corona virus. In coordination with Lotus Hospital, Covid Vaccination drive was organized on 14/06/2021 for 252 participants within the campus. NSS-GRIET student chapter organized a Pulse Polio programme for 258 children as per directions given by Ministry of Health and Family Welfare in local primary health

centres.

Educating the society with help of GRIET - Green Campus on protecting the trees and increasing the green belt by planting the trees in their vicinity so that people can live in pollution free environment. The aim of GRIET - Green Campus Team doesn't stop at educating the society, but also implement the plantation drive through "Haritha Haram" - Telangana State Government initiative, by planting trees and distributing the saplings to the nearby colonies and motivates them plant and protect. Awareness program on creating terrace gardens was organized to GRIET faculty and students to prevent and reduce the usage of adulterated food which is high brisk in present scenario. Apart from plantation, controlling of air pollution to some extent within the campus, GRIET has made a policy of "No Vehicle Day" to be followed in every week with support of GRIET-Green Campus Team. To further promote this activity GRIETians were made to take a pledge on "Carbon Neutrality for Not Zero Net Zero" on 21/12/2020 as per by AICTE guidelines and implementing it. Managing the waste material is also the prime concern for pollution, awareness program is been organized for students to "Tackle the waste management".

Sensitized GRIET students about fundamental right to have a safe water by organizing elocution, essay writing competition during UN World's Water Day celebrations on 14/03/2021 by selecting the theme accordingly suggested by UN. To meet this right, drinking water is supplied to GRIET students and Faculty provided through RO Water Plant available within the Campus after checking quality of water meet the permissible limits.

Remembering and recollecting the freedom fighters, their sacrifices for our country's freedom, sovereignty and prosperity is every citizen responsibility. To name a few activities in their remembrance

- Essay Writing competition on Indian freedom personalities
- Talk on "Leadership Qualities" which promotes values and rights of Indian citizens on occasion of Netaji Subhash Chandra Bose 125th Birthday
- Anti Terrorism Pledge to condemn the act of Terrorists and paid tribute to the Soldiers who lost their lives in different attacks
- Vigilance Awareness Week celebrated on occasion of Sardar Vallabhai Patel Birthday followed by pledge taken by the stake holders of the campus.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	View File
Any other relevant information	No File Uploaded

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

<p>7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals</p> <p>GRIET is always committed to celebrate National and International Commemorative days by organizing events like seminars, essay writing. List of activities organized are given below</p> <p>S. No</p> <p>Name of the Activity</p> <p>1</p>
--

Independence and Republic Day Celebrations are annually organized in GRIET Campus

2

Teaching of Nethaji Subhash Chandra Bose - in memory of 125th Birth Anniversary Celebrations of Nethaji Subhash Chandra Bose on 23/01/2020

3

Essay writing competition was organized to students on "Quit India Movement" - in memory of Gandhi Jayanthi on 02/10/2020

4

International Yoga Day was celebrated in the Campus on 21/06/2021

5

Elocution and essay writing competitions organized for students on occasion of UN World Water Day on 14/03/2021

6

Role of Women in family and at workplace was discussed on "Women's Day" Celebration given by Ms. Kranthi Ahron Jannu on 08/03/2021

7

Painting Competitions organized on occasion of thanking Doctor's for their service during Corona Pandemic on "Doctor's Day" on 01/07/2020

8

Awareness program organized to create an impact regarding "HIV" with a slogan of "Hate the disease, but not the diseased" on "AIDS Day" on 01/12/2020

9

Donation of Blood has been organized in GRIET Campus on occasion of World Blood Donor Day on 12/07/2020

10 Organized Pulse Polio campaign in local health centres on

occasion of National Immunisation Day on 31/01/2021

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

7.2 - Best Practices

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

Title of the practice: G-CLIP (GRIET Competency Level Improvement Program)

Objectives of the practice:

GRIET being a premier technical institution functions with the vision of blossoming into the best of institutions for engineers with attitudes, skills and knowledge so as to become an epicentre of creative solutions, take every effort to groom the students into the best professionals through G-CLIP Programme. With the mission of imparting quality education with an emphasis on practical skills and social relevance, GRIET just not offers UG & PG Programmes but gives value addition to these programmes through all possible ways and means.

The Context:

With the reports of various agencies voicing concern over the employability readiness of the present engineering graduates, GRIET has come out with an action plan to equip the students through diverse strategies. Apart from offering an array of elective courses to the students, appropriate strategies are formulated to enhance the employability through their empowerment with skills.

The Practice:

Keeping the needs and aspirations of the students in mind the college is offering totally 9 number of electives to the UG Students and 6 number of electives to PG Students. The institute offers a laboratory course on English Language also. In all, 26 value added courses are offered in diverse domains of engineering and technology. 4 number of courses in ME, 1 in CE, 2 in EEE, 3 in ECE, 9 in CSE, 7 in IT are offered. All these courses are carefully designed after carrying out a gap analysis and introduced following due procedures through BoS and Academic Council. About 2126 students were enrolled in this Academic year 2020-21. In the last five years more than 5000 students were benefited through these value-added programs. Besides this, in the curriculum itself the first year of UG Programme, a unique course titled Design Thinking is offered to all students in all branches which brings out their critical thinking and problem-solving skills. As part of G-CLIP another distinctive programme namely Placement training programme of 3 weeks duration is offered every semester and a UG student has to undergo 8 such training programmes. All these measures indeed help the students to enhance their competency level and make them truly professional and very much employable.

Evidence of Success:

The strategies of GRIET through G-CLIP has paid rich dividends

- **Placements:** placements have gone up from a mere 32% in 2014 to 60% in 2020 despite the fact there is a slowdown in industrial and economic growth worldwide. In 2021, 1238 graduates were placed with more than 250 students securing a gross package of Rs.6 Lakhs and more. In fact, in 2020-21, the highest paid offers were from such industrious giants like Amazon (33 Lakhs), Servicenow (25.3 Lakhs) and Paypal (24 Lakhs).
- **Student Progression:** Number of students joining in universities abroad have gone up from 15% to 20% due to the improvement in the competency level.

Problems encountered and resources required:

Keeping pace with the technological changes and industrial needs is indeed a difficult task given the hectic academic schedules,

the students and faculty have in the institution. Non availability of the industrial experts due to their busy schedule and high cost. Infrastructure requirement for certain value addition programme is quite high. The change in priorities of the students pose difficulties in the offering certain value addition programmes.

File Description	Documents
Best practices in the Institutional website	http://eeeddept.griet.ac.in/department_practices.html
Any other relevant information	http://www.griet.ac.in/placements_2021.php

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)

Engineering institutions are expected to take all possible efforts for producing the job ready graduates, the requirement of industry is always forming the basis for curriculum design.

The objective of the college is to produce engineers and with right kind of "attitude, skills and knowledge". This objective is realized through the mission of "imparting quality education with an emphasis on social relevance and practical skills".

Thus, the teaching learning environment is uniquely inclined towards industry with GRIET becoming an institution of the industry, by the industry and for the industry.

Industry Personnel on Advisory Boards:

Prominent Industrialists like Sri. V. Rajanna (Senior Vice President and Global Head - Technology Business Unit, TCS), Sri Ramesh Paturi (Enterprise Strategy Advisor, Microsoft India) and Mr. D. Rajendra Prasad (Technical Vice President, Bank of America INC), mr. K. V. K. Raju (Executive Vice President, Aparna Constructions) are in the advisory committees of GRIET. Their presence has not only impacted on the functioning of the institution but also has resulted in the augmentation of advanced facilities including Scanning Electron Microscope, setting up of Artificial Intelligence and Machine Learning Lab and has resulted in innovative courses like Design Thinking, Life Skills and

Communications, Machine Learning and Deep Learning etc.,

Faculty with industrial experience:

GRIET has recruited nearly 10% of its faculty with industrial experience. This has resulted in students taking up challenging projects including Design and Fabrication of Smart Wheelchair, Automatic floor cleaning device, UAV Based Precision Agriculture Using Open Drone Mapping Tools, IoT based big data analysis for Automotive industry

Industrial Collaborative Development:

International Certification Courses like OCJP, OCA, CCNA, AutoCAD, Pro-E, LabVIEW, IBM Big Data, MATLAB, Xilinx, MIDAS, ANSYS, BIMgraFX, LabVIEW Academy.

Internships offered to the students: TCS, Wipro, Cisco, ISRO, NRSC, AMD, Amazon, DRDL, BDL, BSNL, GHMC, BHEL, JPMC, NCC Ltd, L&T Metro, KTPS, VOLVO, HBL, AIRTEL, NTPC, IIT(HYD), Caret red, High drone, Aziant global, Microsoft.

- VET: IBM, DELL EMC, Oracle, Spoken Tutorials, Microsoft, CISCO, IIT Bombay, Number of students benefited by VET - 7579
- MoUs with Foreign Universities - Karabuk University, Turkey, Samara National Research University, The University of Jaen (Spain), The Center on Conflict and Development, Texas A & M University USA, Lucerne University of Applied Sciences and Arts, Switzerland, Aleksandras Stulginskis University, Lithuania, University of Antwerp, Belgium.

GRIET always works in tandem with Industries to conduct workshops, organization of training sessions and offering of certificate courses. Around 120 value added courses offered in GRIET. In those 38 courses are offered with the participation of industries. Industrial giants like IBM, DELL-EMC, LabVIEW, BIMGRAFX, CLOVE Technologies, ORACLE, Microsoft, ServiceNow, AWS, Oxford etc., are partners with GRIET and collaboratively offer academic programs. 10 MOU's (Analogics, CISCO, NRSC, RK Engineers, CARAT RED Technologies etc.) have been signed exclusively for internships and field placements. This has benefited approximately 397 number of students in the past five years.

MoU's resulted in design projects such as Electric Tricycle for Physically Handicapped with Master PCB, Inventory and Analysis of

Glacial Lakes and Water Bodies in the Beas, Chenab, Ravi, Satluj and Shyok sub basins with National Remote Sensing Agency (NRSA).

Industrial Consultancy:

GRIET has undertaken the task of offering solutions to the industrial problems. In the last academic year Rs 45.75 Lakhs has been earned through consultancy projects.

Industry Oriented Projects:

The students of GRIET undertake industry-oriented projects for their curricular requirement. The projects developed under this are used in GRIET and supported by the nearby industry related agencies. Some of the best projects designed and used are Characterization and Performance Evaluation of Ultra-High Strength Steel Fiber Reinforced Reactive Powder Concrete for Structural Application, IOT Based Solar Panel Power Monitoring using ESP8266 and Thing-speak and so on.

Incubation Centre:

With the handholding of GRIET 29 start-ups have come up in the last five years. Quite a few prizes have been won by the alumni of GRIET from HYSEA, Hyderabad. GRIET Business Incubator is recognized by MSME. 8 student ideas have been selected and funded by MSME worth 52 lakhs.

Contributions of Alumni:

GRIET Alumni numbering over 9000+ hold key positions both in Industry and in Administration nationally and globally. To mention a few among them:

Mr Jandhyala Raghav (2003) - Senior Director of Product Management at SAP Labs for IoT and Digital Supply Chain, Arizona, United States.

Mr Shyam Naren Bhaskara (2009) - Engineering Services Manager, Schweitzer Engineering

Laboratories, United States.

Ms Sai Sarvani Yeleswarapu (2011) - Wireless Design, Apple Pay, California.

Ms Swetha Mohanty (2005) - IAS, District Collector, Vanaparthy, Telangana.

Ms Spurthy Kolipaka (2011) - Telangana State UNICEF WaSH Consultant.

Mr Pranay Sai (2016) - District Registrar Trainee, Nellore, Andhra Pradesh.

Mr Siddharth Kukatlapalli (2013) - Co-Founder of Syntizen Technologies, Hyderabad

M V Sathya Sai Kumar, IAS, 2020 Batch IAS, 103rd Rank in Civil Services Exam Alumnus of Dept CSE and many other alumni working under different government sectors like in irrigation department, electricity department etc.

Thus, GRIET is uniquely positioned taking advantage of industrial potential of the twin cities - Hyderabad and Secunderabad producing graduates who are becoming the change makers in the society. This industrial institution rapport makes us the most preferred colleges for engineering students in the state of Telangana.

Participation of industries in all the three dimensions of the education namely teaching, research and extension has become distinctive feature of the institution which reflects the vision, priority and thrust of GRIET.

File Description	Documents
Appropriate link in the institutional website	http://www.griet.ac.in/distinctiveness.php
Any other relevant information	No File Uploaded

7.3.2 - Plan of action for the next academic year

ACTION PLAN for Next Academic Year:

Academics:

The major thrust of the Action Plan is to achieve calibrated improvement in the quality of Engineering and Technical education by utilizing the strengths, overcoming the weaknesses, grabbing the opportunities and mitigating the threats. The action plan was prepared with the inputs from eminent members of Academic Council

and Board of Studies of various programmes.

The following Academic Action Plan focuses on five major goals to be attained in 2021-22 A.Y

Goal 1: Promote industry ready courses

- Industry ready courses if not offered in GR20 regulations need to be offered as value added courses.
- Value added courses must be designed by taking inputs from industry, placement division and other relevant stakeholders

Goal 2: Curriculum Development and Enhancement

- Based on the inputs from stake holders the next regulation (GR22) needs to be planned
- Every course taught to students must be supported with its practical applications and case studies.

Goal 3: Strengthen G-CLIP

- Encourage students to participate in many more "You Earn to Learn" type of internships.
- Every lab must include application-oriented tasks
- More number of participations in Hackathons

Goal 4: Teaching the Teacher

- Encourage teaching faculty for participating in workshops, seminars, conferences for enhancing their core domain knowledge
- Enhance the knowledge in using ICT tools in teaching learning process
- Strengthen the skills of non-teaching faculty

Goal 5: Activities for all-round development of students

- More number of Co and Extra Curricular activities must be planned to meet the changing needs of society

Placements:

Training and Placement Cell of GRIET

(a) Imparts training in soft skills to the students from the first-year class onwards to prepare them appropriately for careers in

Industry

(b) Coordinates the Industry and the GRIETIANS for suitable training & placements.

To achieve this, the database of all the students of different branches is compiled and furnished to identified industries from time to time. Consequently, as per the manpower requirements of the industries, On or Off Campus Placements are conducted to provide suitable career opportunities to the students.

A large number of students (details given separately in this section), have been placed in all leading Software, Hardware, Manufacturing and Maintenance industries. A good number of students pursue higher studies at home and abroad (details given separately in this section). Every batch witnesses a few dawning the hats as entrepreneurs.

Goal 1 Equip students matching to the industry requirements

- Maximize technical skills
- Designing technical, aptitude training, semester wise.
- Monitoring students' performance on a continuous basis.

Goal 2 Introduction of Certification Courses

- The future job requirement will be completely specialization oriented
- Establishing an appropriate medium to counsel and create awareness on the role and importance of certification courses
- Motivate students to pursue certification course and to do a related project

Goal 3 Creating a user-friendly Platform for both learning and Practicing

- Practice is essential to keep intact the acquired skill. Planning to create same.
- Provide ample number of practicing and self evaluation sources
- Mapping students performance with the topics dealt in training sessions

Goal 4 Aligning Industry requirements to academic curriculum

- Emphasising importance of mastering basics
- Incorporating programming languages semester wise starting from basics till advanced level
- Encouraging students to undergo projects related to the learnt programming languages

Goal 5 Emphasis on Practical Learning

- Phase wise conversion of clubbing theory and lab sessions
- Attempt to execute the related theory outcome immediately after the session
- Creation of related assignments for practice.

Publications, Research and Development:

The GRIET focuses on five major essentials for Strategic Direction 2022. These were elaborated by several working parties to include several actions relating to Achieving Research Excellence, Achieving Excellence in Research-Oriented Teaching and Ensuring Outstanding Campus Environments and Student Experience. The recommendations were finalized by the Dean R&D in consultation with the Advisory Group. The purpose of publishing this action plan is to convey to faculty of the GRIET that the scope of research-related initiatives being undertaken by the Research Committee.

The following Research Action Plan draws these together, where there are direct effects towards the development of excellence in research and its application.

1. Invest in outstanding staff
2. Instil a strong research culture
3. Achieve a productive balance between teaching and research
4. Attract and nurture high-calibre research students
5. Promote research as a community benefit

Goal 1 Invest in Outstanding Staff

- Recruit excellent research-qualified staff
- Ensure that sequence of planning is in place for key research leaders.
- Support early-career staff through funds (minimum 5 lakhs) for inhouse projects

Goal 2 Instil a Strong Research Culture

- Strengthen and support research leadership activates among the departments
- Align the documentation requirements for academic promotion and progression with those for Performance Based Research Fund (PBRF) Quality Evaluation.
- Encourage transparency in the cost-centre management of allocations from the Performance Based Research Fund.

Goal 3 Achieve a Productive Balance Between Teaching and Research

- 3.1 Promote effective workload models in Departments that include time for research.
- 3.2 Reduce unnecessary administration tasks and internal compliance requirements.
- 3.3 Develop and implement a researcher-friendly system for research administration.

Goal 4 Attract and nurture high-calibre research students

- Encourage postgraduate research community through the development of greater co- ordination of support for graduate research students.
- Improve conditions for graduate student research including conference support, national and international collaboration, and publishing.
- Improve research student selection processes, the student-supervisor match.

Goal 5 Promote research as a community benefit

- Transfer research knowledge and promote the value of research to the community through broad engagement with community.
- Nationally and internationally publicise, promote, and celebrate the organisation research strengths.
- Advance innovation and economic benefit through entrepreneurial activities.