YEARLY STATUS REPORT - 2022-2023

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.   **9440821902**

- Mobile No: **9440821902**

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

3.Website address (Web link of the AQAR (Previous Academic Year)   https://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: https://www.griet.ac.in/academic_calendar.php

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:

- Upload the latest notification regarding the   View File

composition of the IQAC by the HEI

9.No. of IQAC meetings held during the year   02

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

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

10.Did IQAC receive funding from any funding agency to support its activities during the year?   **Yes**

- If yes, mention the amount   **30000**

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

Series of sessions were conducted on AICTE Examination Reforms to all the Heads of the Departments along with Program Coordinators

Performance Indicators are introduced in the Internal exam question papers for evaluation

Published Booklets containing CO-PO-PI Mappings of all the departments

Monitoring of progress of Strategic Plan 2020-25

Incentives for top performers in Research & Development

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
Improvement of Institution's Perception among the Stakeholders	The NIRF ranking of the institution have been improved from 165th rank in 2021 to 148th rank in 2022 and 101 - 150 Rank Band under Engineering Category in 2023.
Improvement in Paid Internships for Students	168 students have completed internships with stipend in AY 2022-23 in the companies like JP Morgan, AWS, AICTE EDUSKILLS, Cisco, Sales force, Goldman Sachs, Blue Prism, etc.
Growth in R&D Activities	There is a significant increase in the number of publications from 551 in the year 2022 to 801 in the year 2023. Also, number of citations has been increased from 3602 to 4939. In the year 2022-23, GRIET has secured funded research projects (DRDO, DST, AICTE, AR&DB, etc.) worth Rs.166.63861 lakhs.

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

- Name of the statutory body

Name of the statutory body	Date of meeting(s)
Academic Council	02/12/2023

14.Was the institutional data submitted to AISHE ?   Yes

- Year

Part A
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- Year

Year	Date of Submission
2022-23	01/02/2024

15.Multidisciplinary / interdisciplinary

Institute is working towards a multi-disciplinary approach to enhance attitude among the students through curricular and beyond curricular activities. Skills are enhanced by training, industry internships, and practical knowledge. Core Knowledge will be given current industry technologies like IoT, AIML, Cyber Security, Deep Learning, Block Chain Technology, Nano-Technology, and 3D printing.

The courses of humanities and sciences like Mathematics, Engineering Physics, Engineering Chemistry, Design Thinking, Data structures, C programming, Engineering Graphics (with AutoCAD), Engineering Workshop, and Basic Electrical Engineering Labs are integrated in different engineering programs to form the foundation for solving complex problems in engineering.

The institution offered flexible and innovative curricula that include credit-based courses and projects in the areas of community engagement and service, environmental education and value-based towards the attainment of a holistic and multidisciplinary education. Institute is strongly committed to providing education that is oriented so as to meet the rapidly changing needs, and challenges of society.

GRIET introduced industry internships as an integral part of its curriculum. Students under the supervision of the faculty will apply the knowledge acquired in the classroom to find solutions to real-life industrial problems. From the outcome of the courses like Environment Science, Value Ethics, Gender Culture, and the Constitution of India, students can engage in giving service to the community. Multi-disciplinary courses enhance creative knowledge among the students which turn out to be society-related innovative projects.

Current GR22 academic regulations with option Minors and Honors offers flexibility to multidisciplinary programs and project specifications.

1. Robot Applications: Areas such as health care, space exploration, and the manufacturing sector with Artificial Intelligence involve multi-disciplinary challenges for societal

context.

2. Green life science labs: the challenge to save energy and reduce waste using practices such as waste-sorting in the institute like plastic bottles, scraps from Laboratory, etc. Making use of waste materials and greening the institute through internal channels.

3. Global sustainable development: Reproduce and regeneration of power through Solar, Wind, Biomass, Hydroelectric source related interdisciplinary/multi-disciplinary projects.

Our best practices of G-CLIP (Competency Level Improvement Program) encourage students and staff to gain skills in various disciplines and G-SRSR (Social Relevance and Self Reliance) & GLOB (GRIET Laboratory on board) give the right impetus to come up with solutions useful to society and to the institution echoing "Atmanirbhar" philosophy.

16.Academic bank of credits (ABC):

The registration process for the National Academic Depository and Academic Bank of Credits is done. GRIET practices credit mobility, urging all students to acquire 6 to 8 credits out of their total 160 through online learning via platforms such as NPTEL / Swayam. Credits earned from these MOOCs are factored into credit transfers, contributing to the calculation of SGPA and CGPA. The structured and high-quality nature of these MOOCs proves beneficial for students.

GRIET has established academic collaborations with esteemed foreign universities, including the University of JAEN in Spain, Texas A&M University, Lucerne University of Applied Sciences and Arts in Switzerland, Alksandras Stulginskis University in Lithuania, and Karabuk University in Turkey. These collaborations provide diverse opportunities for students to pursue select courses abroad, with credits transferred upon successful completion. The Dean of Higher Studies and Competitive Examinations (HS & CE) oversees the management of these academic partnerships.

The academic autonomy at GRIET empowers faculty members to design curricula with utmost freedom. Course coordinators enjoy full flexibility in creating curricula, suggesting textbooks, and ensuring the availability of learning materials. As part of the course file preparation, assessments and assignments are proposed

by course coordinators. The academic regulations and credit structure serve as a framework for developing course content, assessment methodologies, and pedagogical approaches. The guiding principles for curriculum preparation include holistic student development, experiential learning, flexibility in course choices, curricular integration of essential subjects, skills, and capacities, transforming assessment for student development, and the use and integration of technology.

Students at GRIET have the option to earn credits from various MOOCs and online platforms such as Swayam / NPTEL. These earned credits from online courses are eligible for credit transfer. These innovative learning pedagogies not only allow students to explore and discover new learning possibilities but also prepare them for global mobility.

17.Skill development:

GRIET SDC (SKILL DEVELOPMENT CELL) was established on 01.05.2019. GRIET (Gokaraju Rangaraju Institute of Engineering and Technology) Skill Development Cell has been entrusted with the responsibility to train students by providing them with various courses to enhance their Employment/ Self-Employment opportunities.

Objectives:

1. Establishing an Integrated Ecosystem for Skill Exhibition:

- Develop a comprehensive platform that allows students to showcase their skills and projects.
- Provide opportunities for students to participate in competitions, exhibitions, and events to gain recognition and exposure.

2. Fostering Expertise in Multidisciplinary Fields:

- Design a curriculum that incorporates interdisciplinary subjects, enabling students to explore diverse fields and develop a broad skill set.

- Encourage collaboration and cross-functional projects to enhance students' ability to work across disciplines.

3. Providing Holistic Support for Academic and Workable Skills:

- Offer a range of resources, such as tutoring, mentoring, and study materials, to support students in their academic endeavours.

- Organize workshops, seminars, and training programs to enhance students' employability skills, including communication, problem-solving, and teamwork.

4. Certification from Global Academies:

- Establish partnerships with renowned international academies to offer certification programs in various disciplines.

- Ensure that students have the opportunity to earn at least two globally recognized certifications during their academic journey.

5. Industry Readiness for Better Placements:

- Collaborate with industry professionals to develop industry-specific training programs and internships.

- Provide career counselling, resume building, and interview preparation assistance to enhance students' job prospects.

- Foster connections with top companies through networking events, job fairs, and alumni networks to facilitate better placement opportunities.

To meet its objectives GRIET Skill Development Cell (SDC) is focussing on the improvement of the Skills of the students on various fronts. This is done by Inculcating Skill development programs among students from the first year onwards. Anticipating, before they complete their graduation, they will be ready with the necessary skills required by the industry.

At our organization, we believe in providing our students with a comprehensive and holistic learning experience. As part of this commitment, we conduct training sessions throughout the year to ensure that our students are equipped with the skills and knowledge required to succeed in their chosen fields.

To cater to the diverse needs of our students, we offer both self-paced and instructor-led courses. Self-paced courses are designed to give students the flexibility to learn at their own pace and on their own schedule. These courses typically involve online modules, video tutorials, and other interactive learning

resources that students can access from anywhere, at any time.

In addition to self-paced courses, we also offer instructor-led courses that provide students with the opportunity to learn from experienced professionals in their respective fields. These courses are designed to be interactive and engaging, with ample opportunities for students to ask questions, clarify doubts, and engage in discussions with their peers and instructors.

Our training sessions are open to students from all branches, and we strive to ensure that our course offerings are relevant and up-to-date with the latest industry trends and best practices. By providing a diverse range of training options, we aim to empower our students with the skills and knowledge they need to succeed in their chosen careers.

Collaborators

GRIET SDC has established partnerships with several world-renowned industrial giants like CISCO, AWS, Redhat, Blue Prism University, Alteryx, Microchip, UIPath, Fortinet, and Palo Alto Networks, among others. These partnerships are a testament to the SDC's commitment to providing its students with cutting-edge training and development opportunities that are relevant to today's rapidly changing industrial landscape.

In addition to above, to increase the skills and certifications, GRIET has colloborated with Knowledge Resource centers like ICT Academy, Infosys Spring Board, HYSEA, TASK, IIT Bombay Spoken Tutorials and so on.

Through these partnerships, GRIET SDC is able to offer students access to industry-leading technologies and best practices, as well as opportunities for hands-on learning and real-world experience. Students can benefit from a wide range of courses and certifications that are designed to enhance their skills and knowledge in areas such as cloud computing, cybersecurity, network security, automation, data analytics, and more. This, in turn, prepares students for successful careers and helps them stay ahead of the curve in an increasingly competitive job market.

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

The rapid changes in the global knowledge economy with the

advancement in science and technology have led to dramatic changes in the society. No doubt that India has leaped many boundaries in all sectors- commerce, technology and development etc., but at the same time there has also been detachment from our belief and fall in values. India is always looked up to for its spiritual and transcendental elevation. India has much to offer to the world from its glorious past. Thus, the promotion of Indian arts and culture is important not only for the nation but also for the individual.

"The acquiring of culture is the development of an avid hunger for knowledge and beauty".
India has always been known as the land that portrayed cultural and traditional vibrancy through its fine arts. GRIET shelters a diversified crowd of engineering aspirants from all parts of India with its high quality academic skills required to build in the technical minds for the future. GRIET has very active and enthusiastic cultural body named as "Rhythms" managed by students themselves under the guidance of faculty members.

Along with this, as it is said, "Art speaks the soul of its culture", GRIET equally educate its students with the importance of arts and culture in one's life with association of Rhythms club. We strongly believe that academic knowledge and cultural knowledge go hand in hand in which the art and cultural growth enhances the student's academic growth as well. Since the genesis of Rhythms, new talent has been blooming in our college. Rhythms is an opportunity for students to explore their talents and come up with new objectives. It is amazing to see how Rhythms organizes events with so much passion and perfection. Since its inception, it has been steadily escalating and hope we can reach greater heights in the field of cultural.

I. Spiritual elevation through

1. Yoga and Meditation
2. Prophecy by Garikipati Narasimha Rao, Indian Telugu Avadhani (literary performer) from Andhra Pradesh
3. Speeches by Tridandi Chinna Jeeyar Swamiji is an Indian erudite Vedic scholar. · He is a philosopher, an unparalleled spiritual teacher
4. Sloka Competitions
5. Regular motivational speeches on value systems by Swamy Bhodamayananda, Adhyaksha, Rama Krishna Math, Hyderabad
6. Spiritual and Meditation classes by Rama Krishna Math, Hyderabad

7. Heartfulness meditation centre activities
8. Speeches by Prahlada Swamy, ISKON

II. Art and culture

1. Bathukamma represents cultural spirit of Telangana
2. Celebrations of Hindu festivals like Ugadi, Srirama Navami, Bonalu, Vinayaka Chaturthi, Dasara, Deepavali, Sankranti, Holi, Mahashivaratri are celebrated with pomp, gaiety and devotion.
3. The other widely famous dances in Telangana are Gusadi Dance, Kuchipudi, Tribal Dhimsa Dance, Dandiya, etc. performing by the Students of GRIET
4. Special days like Womens day, Traditional day are celebrated.

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

GRIET has adopted rightly the outcome based education and has designed various OBE elements such as Program educational Objectives, Program Outcomes, Program Specific Outcomes and Course Outcomes for all the UG and PG programs and their respective courses offered, in consonance with the needs and aspirations of the state and the nation.

Students, having experienced the learning environment as per defined PEOs, POs and PSOs are graduated from the Institute. Based on the Graduate Attributes laid by the NBA, Program Outcomes are developed for both under graduate & post graduate programs. POs, PSOs are mapped to curriculum and used the feedback received from the stakeholders through surveys.

Review of results is carried on Outcome Based Education at the end of each semester. After receiving results of each semester, faculty analyses the outcomes of each course, in order to recommend necessary remedial actions to improve. Once the action plan is defined, data for the performance indication is collected and analyzed and evaluated by the course coordinator. This process continues till the attainment of course improves to the target value.

Assessment is done through internal and external semester examinations. Indicators are assigned for each program outcome for the degree of attainment of PO. Direct assessment of attainment of POs is done through examinations and indirect assessment is done through surveys collected through stake

holders like faculty, alumni, employers, parents, students at regular intervals.

Calculation of CO attainment is evaluated through internal examinations, assignments, projects, viva, end semester examinations for theory and practical. Through relevant CO-PO/PSO mapping, attainments are assessed. Outcome attainments give us the right indications for course corrections of curriculum, pedagogy or evaluation levels.

20.Distance education/online education:

GRIET-Interactive Panel is a digital class board which allows different documents and media for teaching and interacting. Convenience access to multi forms of documents and media make it flexible and convenient for teachers and students. It is used to play digital content like Images, Videos, Flash, Graphs, Subject tools, NPTEL videos, Google classroom, Video lectures of IIT Faculty. It also supports digital annotation and can be saved at any time.

The SWAYAM PRABHA is a group of 32 DTH channels devoted for telecasting of high-quality educational programs on 24X7 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 up linked from BISAG, Gandhinagar. The contents are provided by NPTEL, IITs, UGC, CEC, IGNOU, NCERT and NIOS. The INFLIBNET Centre maintains the web portal. ICT enabled education at GRIET aims to provide effective teaching and learning for all the stakeholders at anytime and anywhere.

The following are practiced using ICT

- Blended learning
- Active learning techniques like TPS, Flipped classroom
- Real chance of independent learning
- Usage of open educational resources
- Spoken Tutorials
- Blogs
- Slide talk
- Jam Board
- Plickers

Technological Tools for Teaching Learning Activities

Technology provides numerous tools that teachers can use in and out of the classroom to enhance student learning.

- Google Forms
- Google Classroom
- Moodle
- Mentimeter
- Kahoot
- WhatsApp
- Online Coding Websites such as Data Camp, Hacker Rank, Coder byte
- YouTube
- Plickers
- ShareX (screen recording)
- Prezi
- ScreenPal (screen recording)
- KWL charts
- Quizstar
- Podcasts

Best Practices at GRIET

1. We have established Lecture Capturing System (Media Center) where faculty can record their video lectures and those lectures will be shared with students using Google classroom.
2. GRIET shares online video recordings through GRIET-Google classroom, and it also provides lecture notes, reading material, assignments, video lectures, online quiz, and announcements to the students.

3. GRIET Competency Level Improvement Program(G-CLIP): GRIET is a premier technical institution that functions with the vision of blossoming into the best of the institution for engineers with attitudes, skills, and knowledge so as to become an epicenter of creative solutions, take every effort to groom the students into the best professional through G-CLIP program.

4. GRIET Social Relevance and Self Reliance (G-SRSR): Outcome-based education philosophy focuses on the attainment of program outcomes which are essential graduate attributes, are the behavioral transformations expected from our graduate students.

5. GRIET Laboratory on board (GLOB): GLOB is the one where a case study report is prepared threading of all experiments that are conducted in the laboratory.

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	**5361**
Total number of students during the year:	

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

2.2	**1363**
Number of outgoing / final year students during the year:	

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

2.3	**5353**
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	**599**
Number of courses in all programmes during the year:	

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

3.2	**367**

Number of full-time teachers during the year:

File Description	Documents
Institutional Data in Prescribed Format	**View File**

3.3 Number of sanctioned posts for the year:	**367**

4.Institution

4.1 Number of seats earmarked for reserved categories as per GOI/State Government during the year:	**705**
4.2 Total number of Classrooms and Seminar halls	**86**
4.3 Total number of computers on campus for academic purposes	**2250**
4.4 Total expenditure, excluding salary, during the year (INR in Lakhs):	**2554.94**

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 updates curriculum and make it relevant to address the challenges of liberalization, globalization and privatization being faced by the industry and the society. Institution has adopted and designed various OBE elements such as, PEOs, POs, PSOs and COs for the various academic programmes and courses offered with social relevance and to meet the industry requirements, in consonance with the aspirations of the state and the nation, echoed through slogans like Digital India, Make in India, Atmanirbhar Bharat,

Telangana year of AI, etc.

The guidelines of AICTE and affiliating universities are followed in the curricular development process. GRIET strives for all-round development of the students to equip them with necessary skills to develop innovative & critical thinking, problem analysis & scientific perspective with a holistic learning experience, apart from encouraging participation in beyond curricular activities.

To meet the demands of the industry, certification courses like AWS Cloud, Google Cloud, Red Hat Certified Engineer, Blue Prism Academy Associate developer, PaloAlto Network Security Administrator, CISCO Netacad associate, AutoCAD, Fusion 360, Revit Architecture, etc are offered. Block Chain Technology, AI, Deep Learning & ML are offered as professional core, elective and mandatory courses to build a solid foundation in advanced technologies through industry-oriented curriculum.

File Description	Documents
Upload additional information, if any	[View File](#)
Link for additional information	http://www.it.griet.ac.in/uploads/NAAC/Criteria1/1.1.1_PO_Attainment.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

564

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

144

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 as an autonomous institute, aims at the holistic growth of

the students, leaves no stone unturned for integrating crosscutting issues into the curriculum. 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 economic, social and environmental challenges of globalization.

Mandatory courses like Environmental Science, Value Ethics and Gender Culture, etc enriches the knowledge base of the student and improves the self-actualization and belongingness to the society. The students are moulded as responsible engineers by creating awareness and addressing the societal and generic needs.

Curriculum of Civil Engineering has courses like Environmental Engineering, Environmental Impact Assessment, Engineering Materials for Sustainability, Green Building Technology, etc. are offered to groom the engineering graduates into effective citizens.

The pedagogy focussed for all these courses is based on project-based learning, where the assignments are so structured to collect information in their vicinities and the awareness of societal impact is understood by the student. Students are encouraged to take up projects with emphasis in social relevance in tune with the Mission of the institute and SRSR (Social Relevance and Self Reliance) is the best practice at GRIET.

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

48

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

13432

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

5113

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/department_feed%20back.html
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	View File

1.4.2 - The feedback system of the Institution comprises the following

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

File Description	Documents
Provide URL for stakeholders' feedback report	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

1436

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)

634

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.

Institution through a structured procedure identifies the learning levels of the students and provide various customized programs for both the slow and advanced learners. Through induction program, the students are counselled to the institution principles, practices and ethics.

Categorization of Learners:

Students initial learning levels are assessed using their performance on their qualifying examination for normalised distributions into sections. Through continuous ongoing assessment in classroom interaction by teachers and mentors, students are classified as fast or slow learners. In addition, various tests are also conducted by Training and Placement Cell, Advance Academic Centre & Career Guidance Cell assist in categorization.

Learning methods for advanced learners:

Institute offers a variety number of academic opportunities to participate in co-curricular and extra-curricular activities such as X-Kernel, Pragnya, Scientific Forestep, Quizzicals, Spirals, G-talks, etc. Summer internships, publication of research articles and exposure to numerous Professional Societies, AAC.

Learning methods for slow learners:

The results after every semester end examination shall be analyzed and remedial classes arranged to needy through Dean, Finishing School.

Mentoring Sessions conducted to slow learners, additional care taken by Faculty Members.

Financial support is given by Cheyutha scheme under G-Assist if required.

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

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
Nil	5361	367

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 incorporated the Choice Based Credit System and nurtures academic environment guided by OBE philosophy. All academic procedures are focused towards a student-centric learning environment. All courses in all the programs are designed in line with objectives and outcomes with due credits.

- Experiential Learning is done through Practicals, Internships, Field Projects, On-Job Training, Industrial Tours, and GLOB etc. These help the students to improve their technical skills, exposure to industry workspace and real-world engineering difficulties.
- Participative Learning is done through Classroom Interaction, Tutorial Interaction, Peer-Learning, Plickers, Conferences and Symposia, Community Learning Platform, Group Discussions, Road-shows.
- Fostering Creativity, Critical Thinking and Problem Solving is done through
    1. Learning through research-based projects
    2. Project-based Learning
    3. Case-based learning
- Faculty assists and encourages students in preparing research problem statements to apply for funding.
- The project work done by UG and PG students gives an opportunity to explore various problem statements in their domain areas of interest and practice cutting edge technologies.
- Students are encouraged to convert their projects to a product and the product to a patent.

File Description	Documents
Upload any additional information	View File
Link for additional Information	https://grietsdc.in/internships.html

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

- Faculty of GRIET uses ICT to support, enhance and optimize the delivery of education. "Effective teaching and learning environment for all the stakeholders at anytime and

anywhere" is the ICT policy at GRIET.

Faculty uses PPT for teaching through LCD projectors. For effective teaching-learning, TPS(Think-Pair-Share) activities, Flipped Classrooms, Peer Learning, Plickers, etc. are effectively implemented. Swayam Prabha used for telecasting high-quality educational programs using the GSAT-15 satellite.

Seminar and Conference rooms are digitally equipped. Online quizzes are conducted through google forms. Video recording lectures are available for long-term learning and future reference. Faculty use various ICT tools for conducting workshops on the latest methods such as programming languages, simulations, etc.

Newton's classroom is a community/social learning platform to communicate with students online, sharing study materials, assignments, quizzes, etc., MOOC Platform (NPTEL, Infosys Spring Board, Coursera, Udemy, Edx, etc) Digital Library resources (DELNET, J-GATE, ASME, ASCE, IEEE, Science Direct, NDL, e-books, e-journals, etc) Photocopier machine, Scanners-Multifunction printers Wi-Fi access to all classes/Labs. Moodle and Google Class Room

The following tools are used 90 LCD projectors 2250 computers 11-Smart Boards

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	http://www.cse.griet.ac.in/ac22-23/NAAC/2.3.2-Google-Class-Links.pdf
Upload any additional information	View File

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

2.3.3.1 - Number of mentors

367

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 (DAA) prepare academic calendar and Dean Student Affairs (DSA) prepare college diary for beyond curricular activities for the upcoming academic year. College diary consists of schedule of all the co-curricular and extra-curricular activities as per the calendar.

Academic calendar:

- **Institute follows a well-planned academic calendar satisfying AICTE & University Norms, prepared in advance and is kept on college website.**
- **It involves dates for commencement of class work for both odd and even semester, dates for Mid exams, End (theory and practical) exams, preparatory holidays, schedules for supplementary examinations, etc all of which observe to the statutory guidelines of minimum 90 instructional days per semester.**

Timetable:

- **Semester timetable is prepared in advance.**
- **Department timetable coordinators creates schedules for each program along with the guidelines.**
- **Separate period is given for open electives, co & extra-curricular activities, Swayam Prabha, and others (honors and minor courses).**
- **Timetables are displayed on department website.**

Teaching Plan:

- **Course instructors creates a teaching plan includes Course Objectives, Course Outcomes, Program Educational Objectives, Program Outcomes, Lesson Plan, Session Plan, Number of hours needed for a topic, assignment and other relevant information.**

Adherence to Plans:

- **DAA through HoDs monitor the programs through structured feedback system from stakeholders**
- **DSA oversees conduct of beyond curricular activities through various professional bodies and social bodies.**

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

367

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

117

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)

2645

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

13

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

27

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

A comprehensive examination handbook and academic regulations are prepared, distributed and made available on the website. Results are declared within 10-12 days. Automation of exam section functions and effective grievance redressal. Efficient mapping of COs & POs and Blooms Taxonomy for higher academic standards at both teaching and evaluation stages.

GCAP (GRIET Campus Automation Portal), a homogenous product is a

major reform for Pre and Post Examination Processes.

Pre-Examination Process:

GCAP automates and manages pre-examination procedures like time tables, barcoded OMR answer booklets, seating plans, invigilation duties and D form generation.

GRIET has implemented formative and summative assessments, through:

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

CIE is based on the performance in two mid examinations for theory courses and one internal examination for practical courses, as well as assignments, assessments and quiz. Periodic reviews are carried out in case of project work.

Post Examination Process:

Subject experts from reputed institutions evaluate the Semester End Examination (SEE) answer scripts in spot valuation camp. The results are announced by the Result Committee, includes a University (JNTUH) nominee, via the GCAP portal within ten days. Both PC & CMM have been designed with 12 security features.

File Description	Documents
Upload any additional information	[View File]
Paste link for additional Information	https://gradesresults.griet.in/

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 implemented Outcome-Based Education (OBE) methodology since 2014. Key features of OBE are Program Educational Objectives (PEOs), Program Outcomes (POs), Program Specific Outcomes (PSOs) and Course Outcomes (COs).

In accordance with societal requirements, changing trends in technology, POs and PSOs are developed by Program Assessment Committee (PAC) in consultation with stakeholders referring

through globally accepted Graduate Attributes. COs are direct statements made by course coordinators and their attainments are calculated based on student achievement in mid and end semester exams, project works and seminars. All the POs and COs of the program are carefully developed and communicated to all the stakeholders.

PEOs, POs and PSOs have been disseminated at various places like

- Notice boards
- Laboratories
- Corridors
- HoD ,Staff & Class Room
- Common Areas
- Departmental Web Sites.

POs, PSOs and COs are specified in course file and are shared with the students through course plan, departmental websites and syllabus books. Teachers highlight the relevant COs and POs in the class and laboratories. Internal and external examination question papers are prepared as per course outcomes.

Also, POs and COs are emphasized during Induction Programs, Workshops, Conferences, Industrial Visits, Placement Drives, Parent-Teacher meetings, etc

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.cse.griet.ac.in/ac22-23/NAAC/COs-for-all-Programmes.pdf

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

- Course Outcomes are measurable performance indicators which outline what students will achieve and be able to do by the end of the course. These quantify student skills, knowledge, attitude and ability.
- Assessment and evaluation methods are particular and measurable and are intended to increase student learning.
- Program Outcomes outline what students will achieve and be able to do by the time they graduate. These are more

specific statements refer to skills, knowledge and their behaviour. It reflects the Graduate Attributes, which are globally accepted.

- CO and PO attainment in each course are estimated based on internal and external evaluations and are again mapped to Program Educational Objectives. Analysis of attainment of COs and POs are made and are addressed in the upcoming semester.
- Direct and Indirect assessment methods are used to calculate the attainment of POs.
- Direct assessments are immediately observed by performance in internal and external examinations. Rubrics are used for projects, presentations etc.
- Indirect assessments are taken through feedback from various stakeholders to identify the scope or worth of their learning experiences. It includes written surveys, questionnaires, exit surveys interviews, etc. Major stakeholders are Employers, Alumni, Faculty, Students and Parents.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional Information	http://www.cse.griet.ac.in/ac22-23/NAAC/2.6.2-Additional_Information.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

1205

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	[View File](#)
Upload any additional information	[View File](#)
Paste link for the annual report	https://www.griet.ac.in/2023/Annual%20Report%202022-23.pdf

2.7 - Student Satisfaction Survey

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

https://www.griet.ac.in/NAAC21/Final%20SSS,2022-23.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 has an exclusive Research and Consultancy Centre and has well defined policy for promoting research, consultancy & IPR. It enables a congenial and conducive environment for technological development, providing all the infrastructural facilities and monitoring the research activities of faculty and students. Faculty are encouraged to apply to various funding agencies and pursue their research. GRIET adheres to the code of ethics. Turnitin software used for monitoringplagiarism of research publications, Projects / thesis work of UG, PG students, also faculty pursuing Ph.D.

GRIET has threeResearch Centres (CE,ECE,EEE) recognized by JNTUH. 6 Departments were recognized as Research Centre by Woosong University,South Korea and Master PCB,Hyderabad for carrying out research activities. 60 eligible supervisors from all departments (CSE, AIML, IT, ECE, EEE, ME, CE) have been doing guideship for research scholars from various institutes like NITs, Government and Private/Deemed universities.

The faculty and students are given freedom to explore the research area of their choice and guidance is given to seek funding from funding agencies and industries. GRIET received grants of Rs. 179.9 Lakhs from various Government agencies DST, AR&DB, AICTE, GHMC, MSME, UGC, JNTUH and also private agencies Ample Tech, ICRISAT, Audintel and ATEK during academic year 2022-23.

The institute encourages faculty by providing incentives and research awards for publishing the articles in peer reviewed Journals, writing books and filing patents.

566 Publications are published in various SCI/ESCI, WoS, SCOPUS and UGC care listed journals, includes conference proceedings and Book Chapters during academic year 2022-23.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	https://www.griet.ac.in/2023/2022-23%20_Research%20Policy%20and%20Research%20award%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)

16.60

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

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

49

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)

179.9

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

19

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

3.2.3 - Number of teachers recognised as research guides

60

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

7

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	https://www.griet.ac.in/research.php
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.

GRIET has a vibrant ecosystem for Innovations, Entrepreneurship, Incubation and Startups. The innovation ecosystem is working towards building a culture of creation and transfer of knowledge among the students.

Achievements of Technology and Innovation Cell are:

- **Ministry of Education (MoE) Institutions Innovation Council (IIC)– GRIET got 4 Star.**
- **Received "Excellent band 151-300" for Atal Ranking of Institutions on Innovation Achievements (ARIIA) under the category "Colleges / Institutions (Private / Self-Financed) (Technical)" by AICTE - Innovation Cell, Ministry of Education, Govt. of India for the AY 2022-23.**
- **Received Platinum Grade in CII (Confederation of Indian Industry)**
- **Participated and won 4 prizes in Hackathons.**

- **Entrepreneurship Development Cell: Cell offers a special course on Entrepreneurship and 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 25-startups generated in the college and out of which 1 Start-up "IIIRPD- Institute for Industrial Interdisciplinary Research And Product Development" incubated in the year 2022-23.**

- **Incubation Cell:GRIET has setup an incubation center which is recognized by MSME. 8 innovative projects have been completed which were sponsored by MSME. 6 innovative ideas**

have been funded under Scheme "Support for Entrepreneurial and Managerial Development of Small and Medium Enterprises (SMEs) through Incubators "by MSME in 2022-23 with an amount of 75 lakhs.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://ecellgriet.epizy.com/?i=1

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

29

File Description	Documents
Report of the events	View File
List of workshops/seminars conducted during the year	View File
Any additional information	No File Uploaded

3.4 - Research Publications and Awards

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

A. All of the above

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

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

3.4.2.1 - Number of PhD students registered during the year

4

File Description	Documents
URL to the research page on HEI website	https://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

223

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

341

File Description	Documents
Upload any additional information	View File
Paste link for additional information	www.me.griet.ac.in/department/Criteria3/2022-23/3.4.4.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

2477

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

46

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

3.5 - Consultancy

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

114.30

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

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

6

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	View File
List of training programmes, teachers and staff trained for undertaking consultancy	View File
List of facilities and staff available for undertaking consultancy	View File
Any additional information	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 more than 150volunteers,Green Campus wing with more than 100 volunteers.

GRIET provides students, 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. There are 34 extension activities in the neighbourhood community.

NSS club received most prestigious awards at national level, state level and at university level with 42 awards in community development service.

GRIET –NSS received appreciation from MGNCRE and Recognized as A+ National Rural Institutional Sustainability Grading (NRISG), received Appreciation from IITH- Aksharmala.

GRIET-Green Campus received certificate from World Institutional

Ranking as Excellence Institute with 'A' grade, in Gold Category.

GRIET adopted families in the slums providing them with groceries at Bachupally, Miyapur and KPHB Metro station Hyderabad.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://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

42

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)

34

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

5078

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

529

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)

29

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

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

Institute has a well-maintained campus established over 24 acres of serene green land which includes aesthetically designed buildings, open air auditorium and playgrounds. GRIET has 75 classrooms, 113 laboratories, 11 seminar halls, 23 tutorial rooms and 2 computer centers.

All 75 classrooms are equipped with E-Learning facilities like LED Projectors, Wi-Fi, Smart TVs, and Large Screens. Institution provides laboratory facilities with state-of-the-art equipment suiting to the requirements of curriculum and research. All the laboratories and classrooms have been established surpassing the specifications of All India Council for Technical Education

(AICTE) as well as the affiliating university Jawaharlal Nehru Technological University Hyderabad (JNTUH).

All departments are having their Centres of Excellence Laboratories.

EEE - E-Mobility Lab

ECE - Clove Technologies Lab

Civil Engineering - Advanced Structural Engineering lab

Mechanical Engineering - Materials Processing and Characterization lab

CSE / AIML –

1. AI&ML Lab

2. High-Performance Computing Lab

Information Technology -

   1. Center for Data Science
   2. Center for Computer Vision

Also, GRIET is having special labs like J-LAB, Lab VIEW Academy, CISCO Academy, ORACLE Academy, AICTE IDEA Lab, Oxford English Lab, Skill Development Centre and AWS Academy.

All classrooms, laboratories and seminar halls in the departments have excellent Wi-Fi facility. Institution is having 1000Mbps broadband leased line.

File Description	Documents
Upload any additional information	[View File]()
Paste link for additional information	https://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.)

Institute places equal emphasis on extra-curricular activities, a practice which has been in vogue since inception of the GRIET in 1997. for all-round development of student in addition to curricular aspects , the institute lays a lot of emphasis on beyond curriculum activities focusing on body , mind and intellect. Alike academics, Institute encourage the students to participate in sports and cultural activities and award them accordingly. Four acres of land is provided for indoor as well as for outdoor games and sports.

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 Court
7. Kabaddi Court
8. Cricket Practice Net
9. Gym, Carrom Tables, Chess Boards, Table Tennis Tables
10. Yoga Centre
11. Medical Centre
12. Separate Gym for Girls

Institute has a spacious and well-equipped indoor sports and games room (separate facility for boys and girls) of 800 square meters. Facility is available for students and faculty members to meditate and practice yoga. Also, GRIET has a full-fledged gym facility for boys and girls (Cardiac and Muscular).

GRIET organized Annual Sports meet Khelotsav, Music performance conducted by Rhythms team during sports events. Every year international yoga day is celebrated by conducting a mega yoga event. Students are motivated and encouraged to participate in PULSE-Annual Cultural Fest, Ruedo-Annual Environmental Fest, Annual Day, Fresher's Day, Traditional day etc., to exhibit their cultural and artistic talents and promote harmony and more many events to keep the spirits and enthusiasm alive.

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

710.13

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: Total Automation

Online Public Access Catalogue (OPAC): This facility is open for all students and staff throughout the campus.Computerized catalogue facility is available for book search services through OPAC interface.

The GRIET Library is located in "Block III" of the campus. It has a rich collection of reference books, textbooks and research journals in both electronic as well as in print formats encompassing the field of engineering. Continuous update of titles done with facilities to improve the quality and efficiency of the services.

The library is equipped with Reading Hall, Digital Library. The entire library is under the surveillance of CCTV cameras and is having Wi-Fi access. Library follows open access system encouraging the user to browse freely in the stock area. Total automation is done by KOHA Library Management Software and books are bar coded.

Digital Library:

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

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: **A. Any 4 or more of the above**
e-journals e-ShodhSindhu Shodhganga
Membership e-books Databases Remote
access to e-resources

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

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

35.114

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

1213

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

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. GRIET 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 to the campus network through Wi-Fi. All classrooms, laboratories and seminar halls in the departments have excellent Wi-Fi facility. Institution is having 1000Mbps broadband leased line andQuick Heal Antivirus Licensed Software is available.

Institute network control centre has been upgraded with Mikrotik Firewall. 2250 computers are having networking along with 96 Wi-Fi

routers and 65 switches. Entire institute is under 24hour surveillance with 358 CC cameras. Digital signages are available at main locations in the campus. Institute provide facilities of video conferencing through G-Suite / Zoom to conduct various activities like Seminars, Guest Lectures, Workshops, FDPs, etc 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
5361	**2250**

File Description	Documents
Upload any additional information	View File

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

A. ?50 Mbps

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

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

A. All four of the above

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.griet.ac.in/ict.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)

1844.81

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.

Institute has created an excellent ambience for academic activities. It takes adequate care to provide the state-of-the-art physical facilities.

Classrooms: Each department has adequate number of classrooms required for day-to-day academic activities as per the schedule. Each classroom is equipped with ICT/ multimedia facilities.

Laboratories: Every department has state-of-the-art laboratoriesenhancing and promoting desired teaching and learning environment as required.

Computers: GRIET has optical fiber backbone for inter-connectivity between buildings and each building have their LAN. The computer centre is also utilized for online exams, aptitude tests and other competitive exams.

Library: College library accommodates various departmental journals, books in print and digital form.

Exclusive Facilities for Women: Institute provides separate

waiting room and restroom facilities for girl students and staff.

Health Care Facilities: Medical facility is available for students and staff with in the campus. A full-time doctor is available who can take care of medical emergencies.

Maintenance & Safety: Institute environment is kept clean and green with all amenities such as water for drinking, restrooms and gardening. Power backupis available round the clock through dedicated housekeeping staff.

Electrical maintenance: Power supply and electrical maintenance is managed by a dedicated team of electricians. The power is supplied by the TSSPDCL with a maximum demand of 500kVA. Diesel generators capable of power back-up of 250 kVA was available initially and has been gradually upgraded to 570 kVA(250kVA+320 kVA).

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

2961

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

139

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

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

A. All of the above

File Description	Documents
Link to Institutional website	https://www.griet.ac.in/
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

5361

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

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

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

872

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

153

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

177

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

104

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

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

The institute is unwavering in its commitment for ensuring equal opportunities for all the students to actively contribute to its governance and collaborating with respective authorities and faculty. To facilitate this engagement, the institute provides diverse opportunities to the students in academic and administrative bodies. The pivotal aspect of the institution to execute various activities through committees. These committees consist of representatives from all classes and the council members elect leaders, fostering a democratic approach.

Students actively engage in various committees such as the Editorial Board, PAC, BOS and Class Coordinator Committee, ensuring comprehensive curriculum coverage. They also participate in the Student Welfare Committee, among others, where they play crucial roles in decision-making processes and cultivate a dynamic campus atmosphere.

Beyond these, specialized committees such as the Anti-Ragging Committee, IEEE Student Committee, Class Representative Committee, Sports Committee, Canteen Committee, Transport Committee, etc are established, showcasing the institution commitment to a holistic student experience.

Moreover, affiliations with esteemed organizations like IEEE, CSI, ISTE, SAE, ICI, SME, IETE, IEI, etc underscore the institute dedication to promote excellence not only in academics but also in various technical aspects. These affiliations provide platforms for students to engage in professional development, knowledge exchange and collaborative initiatives, enriching their overall learning experience. The institute encourages students to actively participate in these professional events, contributing to the advancement of knowledge and the practical application of skills.

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

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

23

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

Over the years, GRIET has seen numerous graduates become change agents in society. The alumni, dispersed globally as Engineers, Teachers, Scientists, and Entrepreneurs, serve as brand ambassadors. The GRIET Alumni Association, a registered society, links them to the institution, boasting more than10,000 members. The Institution and the Alumni Association has established the Distinguished Alumnus Award program to honor outstanding alumni and to celebrate their achievements in the areas of Academic Excellence, Technology Innovation Excellence, Managerial Excellence, Entrepreneurial Excellence, and Excellence in other Walks of Life. Alumni meets are a regular feature.

The Alumni is making GRIET proud with their hard work bringing laurels at national and international levels. It is heartening to see GRIET alumni at the helm of several organizations globally.

GRIET alumni contribute to the institution in diverse ways, and as of June 1, 2023, their financial support has amounted to Rs 38,00,000. Moreover, GRIET alumni actively contribute to serving as members of the Board of Studies and Internal Quality Assurance Cell, facilitating job opportunities and referrals, providing internships, and offering valuable feedback for enhancing the teaching and learning environment. The collective efforts of GRIET alumni exemplify their commitment to the institution's success and societal betterment.

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

5.4.2 - Alumni's financial contribution during the year

D. 2 Lakhs - 5 Lakhs

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

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 programs, R&D, infrastructure, TLP, placements etc are arrived at based on the strategic plan that reflects the vision and mission of the Institute. While implementing the decisions top-down approach is followed and to realize the corrective mechanism bottom-up approach is followed by using a feedback system where all the stakeholders are involved.

Principal as Member-Secretary of GB, conducts the meetings

ensuring that all requirements of the university by-laws, statutes and regulations are observed. As Chairman, Principal convenes the meetings of the Academic Council, Finance Committee, IQAC and Selection Committees. Also, 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 activities in the department to achieve program educational objectives. Faculty being members of the Departmental Development and Monitoring Committee, Boards of Studies and other committees are actively involved in contributing to governance and perspective plans in achieving the vision and mission of the department as well as the Institute.

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 Institution demonstrates effective leadership, a crucial aspect, by decentralizing various activities, overseen by Heads of Departments (HoDs), Deans, the Principal, Director, and the Management. Through a clear organizational structure, strategic planning, and the involvement of various bodies, a bottom-up approach involving stakeholders is followed.

Case Study:To fortify Research and Development (R & D) quality, the Senior Management conducted one-to-one sessions with Faculty Members, addressing their concerns and establishing the following strategic initiatives:

- Faculty Supervision: A senior professor has been assigned the responsibility of overseeing and guiding the research endeavours of three to four faculty members, fostering a mentorship model.
- M. Tech. Projects: Faculty members pursuing PhDs are allocated M. Tech. projects, with a senior departmental professor serving as the co-supervisor, enriching the learning and research experience.

- **Seed Money for Research: A proactive measure to stimulate research interests involves the provision of seed money to encourage faculty members to cultivate their research areas, potentially resulting in the submission of substantial research projects to national and international funding organizations.**
- **Faculty Research Awards: Recognizing and promoting research excellence, annual faculty research awards are instituted to honour individuals showcasing outstanding contributions to their respective fields.**
- **Policy Incentives: The Institution has devised policies that reward faculty members for their impactful research contributions and publications in esteemed journals.**

These initiatives have yielded favourable outcomes, notably reflected in a notable increase in publications. These statistics underscore the efficacy of our leadership strategies in nurturing a research-conducive environment and affirm our commitment to academic excellence.

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://www.aiml.griet.ac.in/pdf_NAAC/AY2022-23/C6/6.1.2_C_SameAs_3.2.1_PLAI_ToC_Combined.pdf

6.2 - Strategy Development and Deployment

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

Over the past 25 years, our Institute has strategically advanced in the domains of teaching, research and extension, involving stakeholders such as students, faculty members, parents, industrialists, academic peers and management in meticulous planning. Aligned with industry and societal needs, our strategic plan for 2020-25, approved by the Governing Body and available on our website, serves as our roadmap. Regular reviews by the Governing Body ensure strategic plan alignment and goal attainment with valuable input from all stakeholders contributing to our pursuit of academic excellence.

Implemented Strategies for Goal Achievement at GRIET:

- **Diversified Learning Opportunities: We broaden students' knowledge through Value-Added Courses and Global Certification Programs.**
- **Proactive Learning Support: Initiating remedial action for Slow Learners based on internal examinations performance, addressing challenges promptly.**
- **Career Guidance and Placement: A well-structured approach to career guidance and placement training enhances students prospects.**
- **Enhanced Outreach: Increasing student and faculty members involvement in outreach activities and fostering community engagement.**
- **Faculty Development through R & D: Encouraging faculty members participation in research and development through initiatives like research awards, seed money, mentoring programs, one-to-one interactions and funding awareness programs.**

Our commitment to strategic planning and effective deployment is evident in these initiatives, driving us toward our goals of academic excellence and holistic development.

File Description	Documents
Strategic Plan and deployment documents on the website	[View File](#)
Paste link for additional information	https://www.griet.ac.in/images/SP%202020-25.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 programs. 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 (AC) regulates and guides all academic matters. AC supervises the academic work of the institute, direct methods 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 (Green Book)
- SOP – Maintenance Manual
- Administrative and Financial Rules (Red Book)
- OBE Framework (Pink & Orange Books)

GRIET prioritizes a robust Grievance Redressal Committee, aligning with UGC / AICTE guidelines, addressing faculty, staff and student grievances with a zero-tolerance stance against discrimination.

There are statutory committees like Internal Compliance Committee, Anti-Ragging Committee, Anti-Sexual Harassment 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	https://www.griet.ac.in/Organization_Chart.php
Upload any additional information	View File
Paste link for additional Information	http://www.aiml.griet.ac.in/pdf_NAAC/AY2022-23/C6/6.2.2%20-%20Manual%20for%20Administration%20&%20Policies_Compressed.pdf

6.2.3 - Implementation of e-governance in areas of operation: Administration Finance

A. All of the above

**and Accounts Student Admission and
Support Examination**

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

GRIET demonstrates a steadfast commitment to employee welfare, fostering a work environment that ensures high satisfaction levels among both teaching and non-teaching staff. Key amenities and service facilities include:

- **Research Awards: The Institute disburses research awards incentivizing faculty members to excel in Research & Development.**
- **Financial Support: Substantial financial support of Rs. 16.60 Lakhs are provided towards Seed Monedfor faculty members attending conferences, workshops, and contributing to patents and quality publications.**
- **Medical Facilities: Comprehensive medical facilities, including a qualified doctor, nursing services, and an ambulance, ensure the well-being of staff and students.**
- **Sports and Gym Facilities: Well-equipped sports and gym facilities cater to the health and wellness of both faculty and staff.**
- **Subsidized Canteen: Teaching and non-teaching staff enjoy subsidized food in the canteen, promoting a comfortable and affordable dining experience.**
- **Free Transport: Free transport services are extended to both teaching and non-teaching staff, ensuring convenient commuting.**
- **Departmental Pantries: Pantry facilities in all departments, equipped with a refrigerator, induction stove, coffee machine, water dispenser, etc., contribute to a conducive work environment.**
- **Recreational Trips: Regular recreational trips are**

organized, providing leisure and enjoyment for all teaching and non-teaching staff members.

GRIET remains dedicated to enhancing the overall well-being and satisfaction of its employees, fostering a supportive and enriching work culture.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://www.aiml.griet.ac.in/pdf_NAAC/AY2022-23/C6/6.3.1_PLAI_Data_SameAs_3.1.2.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

169

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

41

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.)

153

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, through Gokaraju Rangaraju Educational Society. Internal audits are also performed by the Management / Principal / Chartered Accountant.

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 conducts a periodic internal finance audit for verification and validation of payments, receipts, cash books, and ledgers for compliance.

The institute engageda 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.

Through systematic audits and internal checks, GRIET upholds financial transparency, accountability and the overall prosperity and development of the Institution.

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

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)

4.2

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	View File

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

Mobilization of Funds: Tuition Fee is the main source of income, 40% of that comes as fee reimbursement by the State and Central Government. In addition, Internal Revenue generated through research grants, consultancy work with private industry and public enterprises like GHMC. Faculty Members also contribute in terms of R & D projects and Consultancy works from various agencies to an extent of Rs. 179.9 Lakhs. Most of the conferences, workshops and other co-curricular activities are breakeven events. Quite a few savings are affected through SRSR philosophy, by using home-grown software GCAP instead of spending resources as external agents, satisfying "money saved is money earned" concept.

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 with 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.

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)

The Internal Quality Assurance Cell (IQAC) at GRIET plays a pivotal role in institutionalizing Quality Assurance Strategies and Processes, fostering continuous Improvement.

- **Strategic Adaptability: GRIET remains highly dynamic and responsive to evolving industrial needs. IQAC collaborates with the placement team to analyse the job market, identify trends, and understand employer expectations, facilitating proactive measures.**
- **Skill Enhancement Initiatives: Recognizing the importance of specialization, the institute introduces certification programs such as AWS, CISCO, ServiceNow, Redhat Linux Admin, Blue Prism, ORACLE, Cyber Security, NPTEL, Coursera, and Udemy. These programs authenticate student's skill levels, complementing basic technical skills imparted through Campus Recruitment Training (CRT).**
- **Notable Achievements: The implementation of certification programs yielded positive results.**
- **Research & Development: The institute encourages faculty by providing incentives and research awards for publishing the articles in peer reviewed Journals, writing books and filing patents. 566 Publications are published in various SCI/ESCI, WoS, SCOPUS and UGC care listed journals, includes conference proceedings and Book Chapters during academic year 2022-23.**

GRIET's IQAC-driven initiatives underscore its commitment to

quality enhancement, ensuring that students are well-equipped to meet the dynamic demands of the ever-evolving industrial landscape.

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

- **Digital Proficiency for Faculty: Faculty Member's participation in Faculty Development Programs (FDPs) emphasizes effective use of digital media/tools in teaching, ensuring modernized content delivery.**
- **Blended Learning Approach: Offline classes are complemented with Google LMS and google classroom, facilitating online assignments, quizzes, and enriching the learning experience.**
- **Internal & External Academic and Administrative Audit: Regular audits assess course hand-outs, delivery and assessment monitoring, remedial actions for slow learners, project reviews, compliance with academic calendar and regulations, and the uniformity of course delivery and evaluation system.**
- **Practical Learning Integration: Encouraging collaborative learning between industry and academia enhances the curriculum with practical experiences, providing students with real-world insights.**
- **Continuous Improvement: GRIET continually refines teaching methodologies, adopting best practices to foster an evolving learning environment, prioritizing learning evolution over enforced structures.**

These strategies underscore GRIET's commitment to continuous improvement, ensuring a dynamic and effective teaching-learning ecosystem.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	http://www.aiml.griet.ac.in/pdf_NAAC/AY2022-23/C6/6.5.2_B2_UAAI_ToC.pdf

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

A. Any 4 or all of the above

File Description	Documents
Paste the web link of annual reports of the Institution	https://www.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 places a strong emphasis on gender sensitivity matters and has appointed Women Development Cell and Anti Sexual Harassment Cell.

The Women's Development Cell focuses on addressing issues faced by women employees and aims to empower women through the following objectives:

Raising awareness about equal opportunities for women, which in

turn contributes to enhancing the socio-economic status of women.

Cultivating attitudinal and behavioural changes among young females during adolescence.

Establishing a harassment-free work environment by identifying and holding responsible parties accountable for ensuring equitable treatment and involvement of women in all aspects.

Organizing programs to empower women financially, emotionally, mentally, and physically.

List of activities organized for Gender Sensitization

S. No

Date

Name of the Activity

1

31/03/2023

Awareness Program on Cancer

2

08/03/2022

International Women's Day Celebrations 2023 was organised followed by the activities:

1. The professional body Quizzical team conducted a quiz with the title "Women Achievers".
2. Spirals team conducted an Essay competition on Women Achievers during the Vedic period. T
3. The Rhythmsteam conducted dance, singing, and Art competitions.
4. The Safety club conducted Extempore.
5. Guest lecture by Smt. T. Vidya Rani, Advocate, High Court.

AICTE specified awards distribution and Prize distribution.

3

20/12/2022

Unite For Her Conclave 2022

4

25/11/2022

A workshop on "The Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act 2013

5

24/11/2022

Self Defense training program for 1st year girl students.

6

09/11/2022

A Seminar on Career Planning

File Description	Documents
Upload any additional information	[View File]
Paste link for additional Information	https://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

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 continuously maintains the environmentally sustainable Solid Waste Management through Tri-Bin practices. The organic wastes – dry leaves, plant waste, etc. are collected and deposited in the compost pits further used as fertilizer in GRIET campus.

Dry waste in Blue, wet in Green, and electronic wastes in Red dust-bins are collected separately. The collected electronics wastes are transferred to the agency "Electronic E-Waste Solutions" on regular basis. The other Kitchen waste and solid wastes are collected by garbage collecting vans provided by Greater Hyderabad Municipal Corporation regularly from the campus.

Paper Waste from the campus are collected 450 Kgs of waste paper through Big Book Collection Day program, supported by NSS-GRIET and GRIET-Street Cause student chapter,and 20620 Kgs waste paper (equivalent to 408 big trees) after shredding of Examination papers under supervision are handed overtoITC Company for recycling. Unused/partially used stationary are separated and bound to make useful notebooks distributed to needy students of adopted schools.

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. 80% (i.e., 40K Litres) of the 50K litres wastewater generated daily from the campus is treated/recycled through STP.

Chemistry Laboratory discharges chemical waste of 1 Litre with 40 Litres of water during Lab sessionsaredirected to STP after treatment. The treated STP water is used for watering garden.

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   A. Any 4 or all of the above

system in the campus

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: **A. Any 4 or All of the above**

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

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

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

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following: **A. Any 4 or all of the above**

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

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	View File
Any other relevant information	View File

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

A. Any 4 or all of the above

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

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

GRIET always promotes the human values and communal harmony towards the democracy among the students, by inculcating them to participate in the activities like GRIET Parliament – Students acquire knowledge on how a bill is passed, how societal problems are discussed and resolved, Awareness program is conducted on following traffic rules to college bus drivers and controlling of

Traffic at Miyapur junction.

It is a regular practice in GRIET to educate our students towards the harmony in – multi-lingual groups, Human beings with nature, family and society through series of lectures given by eminent speakers like Padma Shri Garikapati Narasimha Rao, Swamy Bhodamayanandji of Vivekananada Institute of Human Values, ISKCON Monks, through Induction and Orientation programs.

GRIET – Street Cause team, provided essentials to the orphanage and government schools, organized self-defence classes for girl-child in campus and nearby government school, donation of blankets to the homeless people sensitizes the students towards helping or sharing to the needy people is caring towards the society.

GRIET celebrates all festivals within the campus - nurtures the importance of being in a society with cultural harmony and maintaining unity in diversity. GRIET celebrates Bathukamma, Ayudha puja for machines on occasion of Dusshera, Ganesh clay idol distribution in GRIET campus and surrounding societies on occasion Ganesh Chaturthi festival. Improving green corridor in the campus through plantation program "Haritha Haram" – initiative of Telangana Government, "Clean India Campaign" – Government of India initiative.

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 always sensitizes students and faculty towards human values in organizing programs like – workshop on health program regarding CPR, Blood Donation camps in and outside the campus, renovation of government school washrooms and homeless people through GRIET – Street Cause and GRIET – NSS Team.

GRIET indulges in mentoring the students in government and private schools forimportant subjects like Maths and English through UBA (Unnat Bharat Abhiyan) a Government of India initiative. Apart from curriculum, workshops related to present technologies like – creation of Mobile apps, 3D Printing are organized for school

students.

"Haritha Haram–Telangana State initiative" program on plantation was held in and outside the campus and educated the students about importance of making society free from air pollution. GRIET-Spiral team annually organizes the GRIET-Mock Parliament in the campus.

Raised awareness among the GRIET students of their fundamental right to save water to prevent drinking water and sanitation crisis by planning an essay-writing and elocution competition in conjunction with the UN World Water Day events.

Every Indian citizen has a major responsibility to remember and commemorate the freedom warriors and their sacrifices for the freedom for our nation through the programs like essay writing competition on Police commemorate day. Pledge towards Unity Day regarding the Anti Vigilance Awareness Week. Azadi ka Amrit Mahotsav was observed by GRIET in honor of 75 Years of Indian Freedom, Patriotism talk given by Padmashri Brahmasri Garikapati Narasimha Rao discussed about youth role in building the nation.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	View File
Any other relevant information	View File

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

A. All of the above

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

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

GRIET is always committed to celebrate all National and International Commemorative Days by organizing inspiring lectures, seminars by eminent personalities, competitions, community activities to bring awareness of sacrifices and contributions by path finders and leaders, growth and role of nation and our concept of Vasudeika Kutumbam, and value system of individual abide society.

To name activities held during the year –

Date

Name of the Activity

20/06/2023

SPIRALS Carnival on occasion of Telangana Education Day

19/06/2023

Plantation was held in the campus on Haritha Haram (Vanamahotsav) program

11/06/2023

International Yoga Day

14/05/2023

Organized Mom's Marvel on Mother's Day

26/04/2023

Khelotsav-National Sports Day

25/04/2023

United Nations Mother Earth Day

31/03/2023

Cancer Awareness Program-World Health Day

23/03/2023

Save Soil -on occasion of World Soil Day

22/03/2023

United Nations World Water Day

08/03/2023

International Women's Day

05/03/2023

Solar Panel Distribution on account of World Rural Development Day

28/02/2023

Visit to Survey of India on National Science Day

30/01/2023

Annual Sports Meet on Fit India Campaign

26/01/2023

Celebrated Republic Day in the Campus

31/10/2022

Unity Day Pledge - Rashtriya Ekta Diwas

21/10/2022

GRIET Parliament organized on account of Constitution Day

19/10/2022

Short Story Competition on Police sacrifices – 63rd Police Commemoration Day

27/08/2022

Blood donation camp – Miyapur on World Blood Donor Day

15/08/2022

Celebrated 75 Independence Day

13/08/2022

Rally for 75 years of Independence India

03/08/2022

Talk on Patrotism by Padmashri Garikapati Narasimha Rao on Patriotism Day

30/07/2022

Literacy Day program organized

07/07/2022

Survey on Road Safety-National Road Safety Week

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

Previously given Best Practice for NAAC

Title of the Practice: G-CARE (Consultancy and Research Empowerment)

Objectives of the Practice:

GRIET 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 nurture research culture among faculty and students.

The Context:

Atma Nirbhar Bharat, Make in India, Startup India are the current mantras reverberating in our new look India in this millennium. Innovation, creativity, skill, self-reliance are the immediate transformational aspects in the young minds of our graduates.

The Practice:

G-CARE envisages encouragement through the following schemes which are publicised widely through appropriated policies:

- **Sanction of Seed Money: to facilitate the interested faculty and students to carry out their research through seed money.**
- **Incentives of Consultancy: Total earning out of consultancy grants shall be shared among investigator and institution on 70%-30% basis.**

Evidence of Success:

- **The strategies of GRIET through G-CARE is yielding consistent improvement in relevant factors:**

Research and Development

2023

No. of Scopus Publications

639

No. of SCI/SCIE/ESCI

135

Research grants (in Lakhs)

179.9

Consultancy grants (in Lakhs)

104.8

- **Improved Score in Research and Professional Practice (RPC) of NIRF 2022:**

Year of NIRF Ranking

2023

2022

2020

RPC Score

20.06

12.6

5.71

Problems encountered and resources required:

High Quality research demands high investments in terms of facilities and continued involvement of individuals.

File Description	Documents
Best practices in the Institutional website	https://www.griet.ac.in/research.php
Any other relevant information	www.griet.ac.in/NAAC23/G-CARE%202023.pdf

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)

Students at GRIET, indulge in most of the technical relevant activities, especially in the area of research and innovations. GRIET has tremendously increased its publication count from last three years and at present the count of only student publications for the year 2022 – 23 is 189.

This increase in count of student publications, motivates them to improve their skills in – writing a paper and latest technologies trending in present society which can help in solving the society or industry problems. Mentoring students to publish the papers in good journals and presenting in conferences indulge them in increasing the Life-long learning abilities in the students and can support in betterment of the society and even promotes the student to become an entrepreneur.

Regular publication of papers in Scopus or in any Conferences, helps the students to interact with the other college students and share their knowledge on problem solving while participating in the Conference presentations.

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 updates curriculum and make it relevant to address the challenges of liberalization, globalization and privatization being faced by the industry and the society. Institution has adopted and designed various OBE elements such as, PEOs, POs, PSOs and COs for the various academic programmes and courses offered with social relevance and to meet the industry requirements, in consonance with the aspirations of the state and the nation, echoed through slogans like Digital India, Make in India, Atmanirbhar Bharat, Telangana year of AI, etc.

The guidelines of AICTE and affiliating universities are followed in the curricular development process. GRIET strives for all-round development of the students to equip them with necessary skills to develop innovative & critical thinking, problem analysis & scientific perspective with a holistic learning experience, apart from encouraging participation in beyond curricular activities.

To meet the demands of the industry, certification courses like AWS Cloud, Google Cloud, Red Hat Certified Engineer, Blue Prism Academy Associate developer, PaloAlto Network Security Administrator, CISCO Netacad associate, AutoCAD, Fusion 360, Revit Architecture, etc are offered. Block Chain Technology, AI, Deep Learning & ML are offered as professional core, elective and mandatory courses to build a solid foundation in advanced technologies through industry-oriented curriculum.

File Description	Documents
Upload additional information, if any	[View File](#)
Link for additional information	http://www.it.griet.ac.in/uploads/NAAC/Criteria1/1.1.1_PO_Attainment.pdf

03-04-2024 11:11:16

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

564

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

144

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 as an autonomous institute, aims at the holistic growth of the students, leaves no stone unturned for integrating crosscutting issues into the curriculum. 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 economic, social and environmental challenges of globalization.

Mandatory courses like Environmental Science, Value Ethics and Gender Culture, etc enriches the knowledge base of the student and improves the self-actualization and belongingness to the society. The students are moulded as responsible engineers by creating awareness and addressing the societal and generic needs.

Curriculum of Civil Engineering has courses like Environmental Engineering, Environmental Impact Assessment, Engineering Materials for Sustainability, Green Building Technology, etc. are offered to groom the engineering graduates into effective citizens.

The pedagogy focussed for all these courses is based on project-based learning, where the assignments are so structured to collect information in their vicinities and the awareness of societal impact is understood by the student. Students are encouraged to take up projects with emphasis in social relevance in tune with the Mission of the institute and SRSR (Social Relevance and Self Reliance) is the best practice at GRIET.

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

48

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

13432

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

5113

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/department_feed %20back.html
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	View File

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

File Description	Documents
Provide URL for stakeholders' feedback report	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

1436

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)

634

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.

Institution through a structured procedure identifies the learning levels of the students and provide various customized programs for both the slow and advanced learners. Through induction program, the students are counselled to the institution principles, practices and ethics.

Categorization of Learners:

Students initial learning levels are assessed using their performance on their qualifying examination for normalised distributions into sections. Through continuous ongoing assessment in classroom interaction by teachers and mentors, students are classified as fast or slow learners. In addition, various tests are also conducted by Training and Placement Cell, Advance Academic Centre & Career Guidance Cell assist in categorization.

Learning methods for advanced learners:

Institute offers a variety number of academic opportunities to participate in co-curricular and extra-curricular activities such as X-Kernel, Pragnya, Scientific Forestep, Quizzicals, Spirals, G-talks, etc. Summer internships, publication of research articles and exposure to numerous Professional Societies, AAC.

Learning methods for slow learners:

The results after every semester end examination shall be analyzed and remedial classes arranged to needy through Dean, Finishing School.

Mentoring Sessions conducted to slow learners, additional care taken by Faculty Members.

Financial support is given by Cheyutha scheme under G-Assist if required.

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

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
Nil	**5361**	**367**

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 incorporated the Choice Based Credit System and nurtures academic environment guided by OBE philosophy. All academic procedures are focused towards a student-centric learning environment. All courses in all the programs are designed in line with objectives and outcomes with due credits.

- **Experiential Learning is done through Practicals, Internships, Field Projects, On-Job Training, Industrial Tours, and GLOB etc. These help the students to improve their technical skills, exposure to industry workspace and real-world engineering difficulties.**
- **Participative Learning is done through Classroom Interaction, Tutorial Interaction, Peer-Learning, Plickers, Conferences and Symposia, Community Learning Platform, Group Discussions, Road-shows.**
- **Fostering Creativity, Critical Thinking and Problem Solving is done through**
    1. **Learning through research-based projects**
    2. **Project-based Learning**
    3. **Case-based learning**
- **Faculty assists and encourages students in preparing**

- research problem statements to apply for funding.
- The project work done by UG and PG students gives an opportunity to explore various problem statements in their domain areas of interest and practice cutting edge technologies.
- Students are encouraged to convert their projects to a product and the product to a patent.

File Description	Documents
Upload any additional information	[View File](#)
Link for additional Information	https://grietsdc.in/internships.html

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

- Faculty of GRIET uses ICT to support, enhance and optimize the delivery of education. "Effective teaching and learning environment for all the stakeholders at anytime and anywhere" is the ICT policy at GRIET.

Faculty uses PPT for teaching through LCD projectors. For effective teaching-learning, TPS(Think-Pair-Share) activities, Flipped Classrooms, Peer Learning, Plickers, etc. are effectively implemented. Swayam Prabha used for telecasting high-quality educational programs using the GSAT-15 satellite.

Seminar and Conference rooms are digitally equipped. Online quizzes are conducted through google forms. Video recording lectures are available for long-term learning and future reference. Faculty use various ICT tools for conducting workshops on the latest methods such as programming languages, simulations, etc.

Newton's classroom is a community/social learning platform to communicate with students online, sharing study materials, assignments, quizzes, etc., MOOC Platform (NPTEL, Infosys Spring Board, Coursera, Udemy, Edx, etc) Digital Library resources (DELNET, J-GATE, ASME, ASCE, IEEE, Science Direct, NDL, e-books, e-journals, etc) Photocopier machine, Scanners-Multifunction printers Wi-Fi access to all classes/Labs. Moodle and Google Class Room

The following tools are used 90 LCD projectors 2250 computers 11- Smart Boards

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	http://www.cse.griet.ac.in/ac22-23/NAAC/2.3.2-Google-Class-Links.pdf
Upload any additional information	View File

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

2.3.3.1 - Number of mentors

367

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 (DAA) prepare academic calendar and Dean Student Affairs (DSA) prepare college diary for beyond curricular activities for the upcoming academic year. College diary consists of schedule of all the co-curricular and extra-curricular activities as per the calendar.

Academic calendar:

- **Institute follows a well-planned academic calendar satisfying AICTE & University Norms, prepared in advance and is kept on college website.**
- **It involves dates for commencement of class work for both odd and even semester, dates for Mid exams, End (theory and practical) exams, preparatory holidays, schedules for supplementary examinations, etc all of which observe to the statutory guidelines of minimum 90 instructional days per semester.**

Timetable:

- **Semester timetable is prepared in advance.**
- **Department timetable coordinators creates schedules for each program along with the guidelines.**
- **Separate period is given for open electives, co & extra-curricular activities, Swayam Prabha, and others (honors and minor courses).**
- **Timetables are displayed on department website.**

Teaching Plan:

- **Course instructors creates a teaching plan includes Course Objectives, Course Outcomes, Program Educational Objectives, Program Outcomes, Lesson Plan, Session Plan, Number of hours needed for a topic, assignment and other relevant information.**

Adherence to Plans:

- **DAA through HoDs monitor the programs through structured feedback system from stakeholders**
- **DSA oversees conduct of beyond curricular activities through various professional bodies and social bodies.**

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

367

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

117

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)

2645

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

13

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

27

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

A comprehensive examination handbook and academic regulations are prepared, distributed and made available on the website. Results are declared within 10-12 days. Automation of exam section functions and effective grievance redressal. Efficient mapping of COs & POs and Blooms Taxonomy for higher academic standards at both teaching and evaluation stages.

GCAP (GRIET Campus Automation Portal), a homogenous product is a major reform for Pre and Post Examination Processes.

Pre-Examination Process:

GCAP automates and manages pre-examination procedures like time tables, barcoded OMR answer booklets, seating plans, invigilation duties and D form generation.

GRIET has implemented formative and summative assessments, through:

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

CIE is based on the performance in two mid examinations for theory courses and one internal examination for practical courses, as well as assignments, assessments and quiz. Periodic reviews are carried out in case of project work.

Post Examination Process:

Subject experts from reputed institutions evaluate the Semester End Examination (SEE) answer scripts in spot valuation camp. The results are announced by the Result Committee, includes a University (JNTUH) nominee, via the GCAP portal within ten

days. Both PC & CMM have been designed with 12 security features.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional Information	https://gradesresults.griet.in/

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 implemented Outcome-Based Education (OBE) methodology since 2014. Key features of OBE are Program Educational Objectives (PEOs), Program Outcomes (POs), Program Specific Outcomes (PSOs) and Course Outcomes (COs).

In accordance with societal requirements, changing trends in technology, POs and PSOs are developed by Program Assessment Committee (PAC) in consultation with stakeholders referring through globally accepted Graduate Attributes. COs are direct statements made by course coordinators and their attainments are calculated based on student achievement in mid and end semester exams, project works and seminars. All the POs and COs of the program are carefully developed and communicated to all the stakeholders.

PEOs, POs and PSOs have been disseminated at various places like

- Notice boards
- Laboratories
- Corridors
- HoD ,Staff & Class Room
- Common Areas
- Departmental Web Sites.

POs, PSOs and COs are specified in course file and are shared with the students through course plan, departmental websites and syllabus books. Teachers highlight the relevant COs and POs in the class and laboratories. Internal and external examination question papers are prepared as per course outcomes.

Also, POs and COs are emphasized during Induction Programs, Workshops, Conferences, Industrial Visits, Placement Drives, Parent-Teacher meetings, etc

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.cse.griet.ac.in/ac22-23/NAAC/COs-for-all-Programmes.pdf

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

- Course Outcomes are measurable performance indicators which outline what students will achieve and be able to do by the end of the course. These quantify student skills, knowledge, attitude and ability.
- Assessment and evaluation methods are particular and measurable and are intended to increase student learning.
- Program Outcomes outline what students will achieve and be able to do by the time they graduate. These are more specific statements refer to skills, knowledge and their behaviour. It reflects the Graduate Attributes, which are globally accepted.
- CO and PO attainment in each course are estimated based on internal and external evaluations and are again mapped to Program Educational Objectives. Analysis of attainment of COs and POs are made and are addressed in the upcoming semester.
- Direct and Indirect assessment methods are used to calculate the attainment of POs.
- Direct assessments are immediately observed by performance in internal and external examinations. Rubrics are used for projects, presentations etc.
- Indirect assessments are taken through feedback from various stakeholders to identify the scope or worth of their learning experiences. It includes written surveys, questionnaires, exit surveys interviews, etc. Major stakeholders are Employers, Alumni, Faculty, Students and Parents.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	http://www.cse.griet.ac.in/ac22-23/NAAC/2.6.2-Additional_Information.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

1205

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	View File
Paste link for the annual report	https://www.griet.ac.in/2023/Annual%20Report%202022-23.pdf

2.7 - Student Satisfaction Survey

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

https://www.griet.ac.in/NAAC21/Final%20SSS,2022-23.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 has an exclusive Research and Consultancy Centre and has well defined policy for promoting research, consultancy & IPR. It enables a congenial and conducive environment for technological development, providing all the infrastructural facilities and monitoring the research activities of faculty and students. Faculty are encouraged to apply to various

funding agencies and pursue their research. GRIET adheres to the code of ethics. Turnitin software used for monitoringplagiarism of research publications, Projects / thesis work of UG, PG students, also faculty pursuing Ph.D.

GRIET has threeResearch Centres (CE,ECE,EEE) recognized by JNTUH. 6 Departments were recognized as Research Centre by Woosong University,South Korea and Master PCB,Hyderabad for carrying out research activities. 60 eligible supervisors from all departments (CSE, AIML, IT, ECE, EEE, ME, CE) have been doing guideship for research scholars from various institutes like NITs, Government and Private/Deemed universities.

The faculty and students are given freedom to explore the research area of their choice and guidance is given to seek funding from funding agencies and industries. GRIET received grants of Rs. 179.9 Lakhs from various Government agencies DST, AR&DB, AICTE, GHMC, MSME, UGC, JNTUH and also private agencies Ample Tech, ICRISAT, Audintel and ATEK during academic year 2022-23.

The institute encourages faculty by providing incentives and research awards for publishing the articles in peer reviewed Journals, writing books and filing patents.

566 Publications are published in various SCI/ESCI, WoS, SCOPUS and UGC care listed journals, includes conference proceedings and Book Chapters during academic year 2022-23.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	https://www.griet.ac.in/2023/2022-23%20 Research%20Policy%20and%20Research%20award %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)

16.60

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

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

49

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)

179.9

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

19

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

3.2.3 - Number of teachers recognised as research guides

60

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

7

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	https://www.griet.ac.in/research.php
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.

GRIET has a vibrant ecosystem for Innovations, Entrepreneurship, Incubation and Startups. The innovation ecosystem is working towards building a culture of creation and transfer of knowledge among the students.

Achievements of Technology and Innovation Cell are:

- **Ministry of Education (MoE) Institutions Innovation Council (IIC)– GRIET got 4 Star.**
- **Received "Excellent band 151-300" for Atal Ranking of Institutions on Innovation Achievements (ARIIA) under the category "Colleges / Institutions (Private / Self-Financed) (Technical)" by AICTE - Innovation Cell, Ministry of Education, Govt. of India for the AY 2022-23.**
- **Received Platinum Grade in CII (Confederation of Indian Industry)**
- **Participated and won 4 prizes in Hackathons.**

- **Entrepreneurship Development Cell: Cell offers a special course on Entrepreneurship and 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 25-startups generated in the college and out of which 1 Start-up "IIIRPD- Institute for Industrial Interdisciplinary Research And Product Development" incubated in the year 2022-23.**

- **Incubation Cell:GRIET has setup an incubation center which is recognized by MSME. 8 innovative projects have**

been completed which were sponsored by MSME. 6 innovative ideas have been funded under Scheme "Support for Entrepreneurial and Managerial Development of Small and Medium Enterprises (SMEs) through Incubators "by MSME in 2022-23 with an amount of 75 lakhs.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://ecellgriet.epizy.com/?i=1

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

29

File Description	Documents
Report of the events	View File
List of workshops/seminars conducted during the year	View File
Any additional information	No File Uploaded

3.4 - Research Publications and Awards

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

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

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

3.4.2.1 - Number of PhD students registered during the year

4

File Description	Documents
URL to the research page on HEI website	https://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

223

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

341

File Description	Documents
Upload any additional information	View File
Paste link for additional information	www.me.griet.ac.in/department/Criteria3/2022-23/3.4.4.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

2477

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

46

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

3.5 - Consultancy

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

114.30

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

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

6

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	View File
List of training programmes, teachers and staff trained for undertaking consultancy	View File
List of facilities and staff available for undertaking consultancy	View File
Any additional information	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 more than 150volunteers,Green Campus wing with more than 100 volunteers.

GRIET provides students, 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. There are 34 extension activities in the neighbourhood community.

NSS club received most prestigious awards at national level, state level and at university level with 42 awards in community development service.

GRIET –NSS received appreciation from MGNCRE and Recognized as A+ National Rural Institutional Sustainability Grading (NRISG), received Appreciation from IITH- Aksharmala.

GRIET-Green Campus received certificate from World Institutional Ranking as Excellence Institute with 'A' grade, in Gold Category.

GRIET adopted families in the slums providing them with groceries at Bachupally, Miyapur and KPHB Metro station Hyderabad.

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

42

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)

34

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

5078

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

529

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)

29

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

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

Institute has a well-maintained campus established over 24 acres of serene green land which includes aesthetically designed buildings, open air auditorium and playgrounds. GRIET has 75 classrooms, 113 laboratories, 11 seminar halls, 23 tutorial rooms and 2 computer centers.

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

All departments are having their Centres of Excellence Laboratories.

EEE - E-Mobility Lab

ECE - Clove Technologies Lab

Civil Engineering - Advanced Structural Engineering lab

Mechanical Engineering - Materials Processing and Characterization lab

CSE / AIML -

1. AI&ML Lab

2. High-Performance Computing Lab

Information Technology -

1. **Center for Data Science**
2. **Center for Computer Vision**

Also, GRIET is having special labs like J-LAB, Lab VIEW Academy, CISCO Academy, ORACLE Academy, AICTE IDEA Lab, Oxford English Lab, Skill Development Centre and AWS Academy.

All classrooms, laboratories and seminar halls in the departments have excellent Wi-Fi facility. Institution is having 1000Mbps broadband leased line.

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

Institute places equal emphasis on extra-curricular activities, a practice which has been in vogue since inception of the GRIET in 1997. for all-round development of student in addition to curricular aspects , the institute lays a lot of emphasis on beyond curriculum activities focusing on body , mind and intellect. Alike academics, Institute encourage the students to participate in sports and cultural activities and award them accordingly. Four acres of land is provided for indoor as well as for outdoor games and sports.

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 Court
7. Kabaddi Court
8. Cricket Practice Net
9. Gym, Carrom Tables, Chess Boards, Table Tennis Tables
10. Yoga Centre
11. Medical Centre
12. Separate Gym for Girls

Institute has a spacious and well-equipped indoor sports and games room (separate facility for boys and girls) of 800 square meters. Facility is available for students and faculty members to meditate and practice yoga. Also, GRIET has a full-fledged gym facility for boys and girls (Cardiac and Muscular).

GRIET organized Annual Sports meet Khelotsav, Music performance conducted by Rhythms team during sports events. Every year international yoga day is celebrated by conducting a mega yoga event. Students are motivated and encouraged to participate in PULSE-Annual Cultural Fest, Ruedo-Annual Environmental Fest, Annual Day, Fresher's Day, Traditional day etc., to exhibit their cultural and artistic talents and promote harmony and more many events to keep the spirits and enthusiasm alive.

File Description	Documents
Geotagged pictures	View File
Upload any additional information	View File
Paste link for additional information	https://www.griet.ac.in/spandgm.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)

710.13

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: Total Automation

Online Public Access Catalogue (OPAC): This facility is open for all students and staff throughout the campus.Computerized catalogue facility is available for book search services through OPAC interface.

The GRIET Library is located in "Block III" of the campus. It has a rich collection of reference books, textbooks and research journals in both electronic as well as in print formats encompassing the field of engineering. Continuous update of titles done with facilities to improve the quality and efficiency of the services.

The library is equipped with Reading Hall, Digital Library. The entire library is under the surveillance of CCTV cameras and is having Wi-Fi access. Library follows open access system encouraging the user to browse freely in the stock area. Total automation is done by KOHA Library Management Software and books are bar coded.

Digital Library:

Institute has a digital library with 30 computers. It is automated through Knimbus Digital Library Software which can be accessed locally and remotely. It has a collection of e-journals from IEEE-ASPP, ASCE, ASME, Science Direct, JGATE,

etc. Access to e-books from MGH and CBS publishers is available within campus. IP based access to DELNET is also provided within campus.

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)

35.114

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

1213

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

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. GRIET 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 to the campus network through Wi-Fi. All classrooms, laboratories and seminar halls in the departments have excellent Wi-Fi facility. Institution is having 1000Mbps broadband leased line andQuick Heal Antivirus Licensed Software is available.

Institute network control centre has been upgraded with Mikrotik Firewall. 2250 computers are having networking along with 96 Wi-Fi routers and 65 switches. Entire institute is under 24hour surveillance with 358 CC cameras. Digital signages are available at main locations in the campus. Institute provide facilities of video conferencing through G-Suite / Zoom to conduct various activities like Seminars, Guest Lectures, Workshops, FDPs, etc 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
5361	2250

File Description	Documents
Upload any additional information	[View File]

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

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

4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing — `A. All four of the above`

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

`1844.81`

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.

Institute has created an excellent ambience for academic activities. It takes adequate care to provide the state-of-the-art physical facilities.

Classrooms: Each department has adequate number of classrooms required for day-to-day academic activities as per the schedule. Each classroom is equipped with ICT/ multimedia facilities.

Laboratories: Every department has state-of-the-art laboratoriesenhancing and promoting desired teaching and learning environment as required.

Computers: GRIET has optical fiber backbone for inter-connectivity between buildings and each building have their LAN. The computer centre is also utilized for online exams, aptitude tests and other competitive exams.

Library: College library accommodates various departmental journals, books in print and digital form.

Exclusive Facilities for Women: Institute provides separate waiting room and restroom facilities for girl students and staff.

Health Care Facilities: Medical facility is available for students and staff with in the campus. A full-time doctor is available who can take care of medical emergencies.

Maintenance & Safety: Institute environment is kept clean and green with all amenities such as water for drinking, restrooms and gardening. Power backupis available round the clock through dedicated housekeeping staff.

Electrical maintenance: Power supply and electrical maintenance is managed by a dedicated team of electricians. The power is supplied by the TSSPDCL with a maximum demand of 500kVA. Diesel generators capable of power back-up of 250 kVA was available initially and has been gradually upgraded to 570 kVA(250kVA+320 kVA).

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

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

2961

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

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

139

File Description	Documents
Upload any additional information	<u>View File</u>
Institutional data in prescribed format	<u>View File</u>

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

File Description	Documents
Link to Institutional website	https://www.griet.ac.in/
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

5361

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

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

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

5.2 - Student Progression

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

872

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

153

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

177

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

104

03-04-2024 11:11:17

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

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

The institute is unwavering in its commitment for ensuring equal opportunities for all the students to actively contribute to its governance and collaborating with respective authorities and faculty. To facilitate this engagement, the institute provides diverse opportunities to the students in academic and administrative bodies. The pivotal aspect of the institution to execute various activities through committees. These committees consist of representatives from all classes and the council members elect leaders, fostering a democratic approach.

Students actively engage in various committees such as the Editorial Board, PAC, BOS and Class Coordinator Committee, ensuring comprehensive curriculum coverage. They also participate in the Student Welfare Committee, among others, where they play crucial roles in decision-making processes and cultivate a dynamic campus atmosphere.

Beyond these, specialized committees such as the Anti-Ragging Committee, IEEE Student Committee, Class Representative Committee, Sports Committee, Canteen Committee, Transport Committee, etc are established, showcasing the institution commitment to a holistic student experience.

Moreover, affiliations with esteemed organizations like IEEE, CSI, ISTE, SAE, ICI, SME, IETE, IEI, etc underscore the institute dedication to promote excellence not only in academics but also in various technical aspects. These affiliations provide platforms for students to engage in professional development, knowledge exchange and collaborative initiatives, enriching their overall learning experience. The institute encourages students to actively participate in these professional events, contributing to the advancement of knowledge and the practical application of skills.

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

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

23

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

Over the years, GRIET has seen numerous graduates become change agents in society. The alumni, dispersed globally as Engineers, Teachers, Scientists, and Entrepreneurs, serve as brand ambassadors. The GRIET Alumni Association, a registered society, links them to the institution, boasting more than10,000 members. The Institution and the Alumni Association has established the Distinguished Alumnus Award program to honor outstanding alumni and to celebrate their achievements in the areas of Academic Excellence, Technology Innovation Excellence, Managerial Excellence, Entrepreneurial Excellence, and Excellence in other Walks of Life. Alumni meets are a regular feature.

The Alumni is making GRIET proud with their hard work bringing laurels at national and international levels. It is heartening to see GRIET alumni at the helm of several organizations globally.

GRIET alumni contribute to the institution in diverse ways, and as of June 1, 2023, their financial support has amounted to Rs 38,00,000. Moreover, GRIET alumni actively contribute to

serving as members of the Board of Studies and Internal Quality Assurance Cell, facilitating job opportunities and referrals, providing internships, and offering valuable feedback for enhancing the teaching and learning environment. The collective efforts of GRIET alumni exemplify their commitment to the institution's success and societal betterment.

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

5.4.2 - Alumni's financial contribution during the year	D. 2 Lakhs - 5 Lakhs

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

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

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 programs, R&D, infrastructure, TLP, placements etc are arrived at based on the strategic plan that reflects the vision and mission of the Institute. While implementing the decisions top-down approach is followed and to realize the corrective mechanism bottom-up approach is followed by using a feedback system where all the stakeholders are involved.

Principal as Member-Secretary of GB, conducts the meetings ensuring that all requirements of the university by-laws, statutes and regulations are observed. As Chairman, Principal convenes the meetings of the Academic Council, Finance Committee, IQAC and Selection Committees. Also, 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 activities in the department to achieve program educational objectives. Faculty being members of the Departmental Development and Monitoring Committee, Boards of Studies and other committees are actively involved in contributing to governance and perspective plans in achieving the vision and mission of the department as well as the Institute.

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 Institution demonstrates effective leadership, a crucial aspect, by decentralizing various activities, overseen by Heads of Departments (HoDs), Deans, the Principal, Director, and the Management. Through a clear organizational structure, strategic planning, and the involvement of various bodies, a bottom-up approach involving stakeholders is followed.

Case Study:To fortify Research and Development (R & D) quality, the Senior Management conducted one-to-one sessions with Faculty Members, addressing their concerns and establishing the following strategic initiatives:

- Faculty Supervision: A senior professor has been assigned the responsibility of overseeing and guiding the research endeavours of three to four faculty members, fostering a mentorship model.
- M. Tech. Projects: Faculty members pursuing PhDs are allocated M. Tech. projects, with a senior departmental professor serving as the co-supervisor, enriching the learning and research experience.
- Seed Money for Research: A proactive measure to stimulate research interests involves the provision of seed money to encourage faculty members to cultivate their research areas, potentially resulting in the submission of substantial research projects to national and international funding organizations.
- Faculty Research Awards: Recognizing and promoting

research excellence, annual faculty research awards are instituted to honour individuals showcasing outstanding contributions to their respective fields.

- Policy Incentives: The Institution has devised policies that reward faculty members for their impactful research contributions and publications in esteemed journals.

These initiatives have yielded favourable outcomes, notably reflected in a notable increase in publications. These statistics underscore the efficacy of our leadership strategies in nurturing a research-conducive environment and affirm our commitment to academic excellence.

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://www.aiml.griet.ac.in/pdf_NAAC/AY2022-23/C6/6.1.2_C_SameAs_3.2.1_PLAI_ToC_Combined.pdf

6.2 - Strategy Development and Deployment

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

Over the past 25 years, our Institute has strategically advanced in the domains of teaching, research and extension, involving stakeholders such as students, faculty members, parents, industrialists, academic peers and management in meticulous planning. Aligned with industry and societal needs, our strategic plan for 2020-25, approved by the Governing Body and available on our website, serves as our roadmap. Regular reviews by the Governing Body ensure strategic plan alignment and goal attainment with valuable input from all stakeholders contributing to our pursuit of academic excellence.

Implemented Strategies for Goal Achievement at GRIET:

- Diversified Learning Opportunities: We broaden students' knowledge through Value-Added Courses and Global Certification Programs.

- **Proactive Learning Support: Initiating remedial action for Slow Learners based on internal examinations performance, addressing challenges promptly.**
- **Career Guidance and Placement: A well-structured approach to career guidance and placement training enhances students prospects.**
- **Enhanced Outreach: Increasing student and faculty members involvement in outreach activities and fostering community engagement.**
- **Faculty Development through R & D: Encouraging faculty members participation in research and development through initiatives like research awards, seed money, mentoring programs, one-to-one interactions and funding awareness programs.**

Our commitment to strategic planning and effective deployment is evident in these initiatives, driving us toward our goals of academic excellence and holistic development.

File Description	Documents
Strategic Plan and deployment documents on the website	[View File](#)
Paste link for additional information	https://www.griet.ac.in/images/SP%202020-25.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 programs. 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 (AC) regulates and guides all academic matters. AC supervises the academic work of the institute, direct methods 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 (Green Book)
- SOP – Maintenance Manual
- Administrative and Financial Rules (Red Book)
- OBE Framework (Pink & Orange Books)

GRIET prioritizes a robust Grievance Redressal Committee, aligning with UGC / AICTE guidelines, addressing faculty, staff and student grievances with a zero-tolerance stance against discrimination.

There are statutory committees like Internal Compliance Committee, Anti-Ragging Committee, Anti-Sexual Harassment 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	https://www.griet.ac.in/Organization_Chart.php
Upload any additional information	View File
Paste link for additional Information	http://www.aiml.griet.ac.in/pdf_NAAC/AY2022-23/C6/6.2.2%20-%20Manual%20for%20Administration%20&%20Policies_Compressed.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

GRIET demonstrates a steadfast commitment to employee welfare, fostering a work environment that ensures high satisfaction levels among both teaching and non-teaching staff. Key amenities and service facilities include:

- **Research Awards:** The Institute disburses research awards incentivizing faculty members to excel in Research & Development.
- **Financial Support:** Substantial financial support of Rs. 16.60 Lakhs are provided towards Seed Monedfor faculty members attending conferences, workshops, and contributing to patents and quality publications.
- **Medical Facilities:** Comprehensive medical facilities, including a qualified doctor, nursing services, and an ambulance, ensure the well-being of staff and students.
- **Sports and Gym Facilities:** Well-equipped sports and gym facilities cater to the health and wellness of both faculty and staff.
- **Subsidized Canteen:** Teaching and non-teaching staff enjoy subsidized food in the canteen, promoting a comfortable and affordable dining experience.
- **Free Transport:** Free transport services are extended to both teaching and non-teaching staff, ensuring convenient commuting.
- **Departmental Pantries:** Pantry facilities in all departments, equipped with a refrigerator, induction stove, coffee machine, water dispenser, etc., contribute to a conducive work environment.
- **Recreational Trips:** Regular recreational trips are organized, providing leisure and enjoyment for all

teaching and non-teaching staff members.

GRIET remains dedicated to enhancing the overall well-being and satisfaction of its employees, fostering a supportive and enriching work culture.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://www.aiml.griet.ac.in/pdf_NAAC/AY2022-23/C6/6.3.1_PLAI_Data_SameAs_3.1.2.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

169

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

41

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.)

153

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, through Gokaraju Rangaraju Educational Society. Internal audits are also performed by the Management / Principal / Chartered Accountant.

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 conducts a periodic internal finance audit for verification and validation of payments, receipts, cash books, and ledgers for compliance.

The institute engageda 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.

Through systematic audits and internal checks, GRIET upholds financial transparency, accountability and the overall prosperity and development of the Institution.

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

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)

4.2

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	View File

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

Mobilization of Funds: Tuition Fee is the main source of income, 40% of that comes as fee reimbursement by the State and Central Government. In addition, Internal Revenue generated through research grants, consultancy work with private industry and public enterprises like GHMC. Faculty Members also contribute in terms of R & D projects and Consultancy works from various agencies to an extent of Rs. 179.9 Lakhs. Most of the conferences, workshops and other co-curricular activities are breakeven events. Quite a few savings are affected through SRSR philosophy, by using home-grown software GCAP instead of spending resources as external agents, satisfying "money saved is money earned" concept.

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 with 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.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional Information	[http://www.griet.ac.in/Mandatory Disclosures.php](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)

The Internal Quality Assurance Cell (IQAC) at GRIET plays a pivotal role in institutionalizing Quality Assurance Strategies and Processes, fostering continuous Improvement.

- **Strategic Adaptability:** GRIET remains highly dynamic and responsive to evolving industrial needs. IQAC collaborates with the placement team to analyse the job market, identify trends, and understand employer expectations, facilitating proactive measures.
- **Skill Enhancement Initiatives:** Recognizing the importance of specialization, the institute introduces certification programs such as AWS, CISCO, ServiceNow, Redhat Linux Admin, Blue Prism, ORACLE, Cyber Security, NPTEL, Coursera, and Udemy. These programs authenticate student's skill levels, complementing basic technical skills imparted through Campus Recruitment Training (CRT).
- **Notable Achievements:** The implementation of certification programs yielded positive results.
- **Research & Development:** The institute encourages faculty by providing incentives and research awards for publishing the articles in peer reviewed Journals, writing books and filing patents. 566 Publications are published in various SCI/ESCI, WoS, SCOPUS and UGC care listed journals, includes conference proceedings and Book

Chapters during academic year 2022-23.

GRIET's IQAC-driven initiatives underscore its commitment to quality enhancement, ensuring that students are well-equipped to meet the dynamic demands of the ever-evolving industrial landscape.

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

- **Digital Proficiency for Faculty:** Faculty Member's participation in Faculty Development Programs (FDPs) emphasizes effective use of digital media/tools in teaching, ensuring modernized content delivery.
- **Blended Learning Approach:** Offline classes are complemented with Google LMS and google classroom, facilitating online assignments, quizzes, and enriching the learning experience.
- **Internal & External Academic and Administrative Audit:** Regular audits assess course hand-outs, delivery and assessment monitoring, remedial actions for slow learners, project reviews, compliance with academic calendar and regulations, and the uniformity of course delivery and evaluation system.
- **Practical Learning Integration:** Encouraging collaborative learning between industry and academia enhances the curriculum with practical experiences, providing students with real-world insights.
- **Continuous Improvement:** GRIET continually refines teaching methodologies, adopting best practices to foster an evolving learning environment, prioritizing learning evolution over enforced structures.

These strategies underscore GRIET's commitment to continuous improvement, ensuring a dynamic and effective teaching-learning ecosystem.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	http://www.aiml.griet.ac.in/pdf_NAAC/AY2022-23/C6/6.5.2_B2_UAAI_ToC.pdf

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

File Description	Documents
Paste the web link of annual reports of the Institution	https://www.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 places a strong emphasis on gender sensitivity matters and has appointed Women Development Cell and Anti Sexual Harassment Cell.

The Women's Development Cell focuses on addressing issues faced by women employees and aims to empower women through the following objectives:

Raising awareness about equal opportunities for women, which in

turn contributes to enhancing the socio-economic status of women.

Cultivating attitudinal and behavioural changes among young females during adolescence.

Establishing a harassment-free work environment by identifying and holding responsible parties accountable for ensuring equitable treatment and involvement of women in all aspects.

Organizing programs to empower women financially, emotionally, mentally, and physically.

List of activities organized for Gender Sensitization

S. No

Date

Name of the Activity

1

31/03/2023

Awareness Program on Cancer

2

08/03/2022

International Women's Day Celebrations 2023 was organised followed by the activities:

1. The professional body Quizzical team conducted a quiz with the title "Women Achievers".
2. Spirals team conducted an Essay competition on Women Achievers during the Vedic period. T
3. The Rhythmsteam conducted dance, singing, and Art competitions.
4. The Safety club conducted Extempore.
5. Guest lecture by Smt. T. Vidya Rani, Advocate, High Court.

AICTE specified awards distribution and Prize distribution.

3

20/12/2022

Unite For Her Conclave 2022

4

25/11/2022

A workshop on "The Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act 2013

5

24/11/2022

Self Defense training program for 1st year girl students.

6

09/11/2022

A Seminar on Career Planning

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional Information	https://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

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 continuously maintains the environmentally sustainable Solid Waste Management through Tri-Bin practices. The organic wastes – dry leaves, plant waste, etc. are collected and deposited in the compost pits further used as fertilizer in GRIET campus.

Dry waste in Blue, wet in Green, and electronic wastes in Red dust-bins are collected separately. The collected electronics wastes are transferred to the agency "Electronic E-Waste Solutions" on regular basis. The other Kitchen waste and solid wastes are collected by garbage collecting vans provided by Greater Hyderabad Municipal Corporation regularly from the campus.

Paper Waste from the campus are collected 450 Kgs of waste paper through Big Book Collection Day program, supported by NSS-GRIET and GRIET-Street Cause student chapter,and 20620 Kgs waste paper (equivalent to 408 big trees) after shredding of Examination papers under supervision are handed overtoITC Company for recycling. Unused/partially used stationary are separated and bound to make useful notebooks distributed to needy students of adopted schools.

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. 80% (i.e., 40K Litres) of the 50K litres wastewater generated daily from the campus is treated/recycled through STP.

Chemistry Laboratory discharges chemical waste of 1 Litre with 40 Litres of water during Lab sessionsaredirected to STP after treatment. The treated STP water is used for watering garden.

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 | A. Any 4 or all of the above

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

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

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows: 1. Restricted entry of automobiles 2. Use of bicycles/ Battery-powered vehicles 3. Pedestrian-friendly pathways 4. Ban on use of plastic 5. Landscaping	A. Any 4 or All of the above

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

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

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following: 1. Green audit 2. Energy audit 3. Environment audit 4. Clean and green campus recognitions/awards	A. Any 4 or all of the above

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	5. Beyond the campus environmental promotional activities	

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	View File

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

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

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

GRIET always promotes the human values and communal harmony

towards the democracy among the students, by inculcating them to participate in the activities like GRIET Parliament – Students acquire knowledge on how a bill is passed, how societal problems are discussed and resolved, Awareness program is conducted on following traffic rules to college bus drivers and controlling of Traffic at Miyapur junction.

It is a regular practice in GRIET to educate our students towards the harmony in – multi-lingual groups, Human beings with nature, family and society through series of lectures given by eminent speakers like Padma Shri Garikapati Narasimha Rao, Swamy Bhodamayanandji of Vivekananada Institute of Human Values, ISKCON Monks, through Induction and Orientation programs.

GRIET – Street Cause team, provided essentials to the orphanage and government schools, organized self-defence classes for girl-child in campus and nearby government school, donation of blankets to the homeless people sensitizes the students towards helping or sharing to the needy people is caring towards the society.

GRIET celebrates all festivals within the campus - nurtures the importance of being in a society with cultural harmony and maintaining unity in diversity. GRIET celebrates Bathukamma, Ayudha puja for machines on occasion of Dusshera, Ganesh clay idol distribution in GRIET campus and surrounding societies on occasion Ganesh Chaturthi festival. Improving green corridor in the campus through plantation program "Haritha Haram" – initiative of Telangana Government, "Clean India Campaign" – Government of India initiative.

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 always sensitizes students and faculty towards human values in organizing programs like – workshop on health program regarding CPR, Blood Donation camps in and outside the campus, renovation of government school washrooms and homeless people

through GRIET – Street Cause and GRIET – NSS Team.

GRIET indulges in mentoring the students in government and private schools forimportant subjects like Maths and English through UBA (Unnat Bharat Abhiyan) a Government of India initiative. Apart from curriculum, workshops related to present technologies like – creation of Mobile apps, 3D Printing are organized for school students.

"Haritha Haram–Telangana State initiative" program on plantation was held in and outside the campus and educated the students about importance of making society free from air pollution. GRIET-Spiral team annually organizes the GRIET-Mock Parliament in the campus.

Raised awareness among the GRIET students of their fundamental right to save water to prevent drinking water and sanitation crisis by planning an essay-writing and elocution competition in conjunction with the UN World Water Day events.

Every Indian citizen has a major responsibility to remember and commemorate the freedom warriors and their sacrifices for the freedom for our nation through the programs like essay writing competition on Police commemorate day. Pledge towards Unity Day regarding the Anti Vigilance Awareness Week. Azadi ka Amrit Mahotsav was observed by GRIET in honor of 75 Years of Indian Freedom, Patriotism talk given by Padmashri Brahmasri Garikapati Narasimha Rao discussed about youth role in building the nation.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	View File
Any other relevant information	View File

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

professional ethics programmes for students, teachers, administrators and other staff Annual awareness programmes on the Code of Conduct are organized

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

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

GRIET is always committed to celebrate all National and International Commemorative Days by organizing inspiring lectures, seminars by eminent personalities, competitions, community activities to bring awareness of sacrifices and contributions by path finders and leaders, growth and role of nation and our concept of Vasudeika Kutumbam, and value system of individual abide society.

To name activities held during the year –

Date

Name of the Activity

20/06/2023

SPIRALS Carnival on occasion of Telangana Education Day

19/06/2023

Plantation was held in the campus on Haritha Haram (Vanamahotsav) program

11/06/2023

International Yoga Day

14/05/2023

Organized Mom's Marvel on Mother's Day

26/04/2023

Khelotsav-National Sports Day

25/04/2023

United Nations Mother Earth Day

31/03/2023

Cancer Awareness Program-World Health Day

23/03/2023

Save Soil -on occasion of World Soil Day

22/03/2023

United Nations World Water Day

08/03/2023

International Women's Day

05/03/2023

Solar Panel Distribution on account of World Rural Development Day

28/02/2023

Visit to Survey of India on National Science Day

30/01/2023

Annual Sports Meet on Fit India Campaign

26/01/2023

Celebrated Republic Day in the Campus

31/10/2022

Unity Day Pledge - Rashtriya Ekta Diwas

21/10/2022

GRIET Parliament organized on account of Constitution Day

19/10/2022

Short Story Competition on Police sacrifices – 63rd Police Commemoration Day

27/08/2022

Blood donation camp – Miyapur on World Blood Donor Day

15/08/2022

Celebrated 75 Independence Day

13/08/2022

Rally for 75 years of Independence India

03/08/2022

Talk on Patrotism by Padmashri Garikapati Narasimha Rao on Patriotism Day

30/07/2022

Literacy Day program organized

07/07/2022

Survey on Road Safety-National Road Safety Week

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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

Previously given Best Practice for NAAC

Title of the Practice: G-CARE (Consultancy and Research Empowerment)

Objectives of the Practice:

GRIET 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 nurture research culture among faculty and students.

The Context:

Atma Nirbhar Bharat, Make in India, Startup India are the current mantras reverberating in our new look India in this millennium. Innovation, creativity, skill, self-reliance are the immediate transformational aspects in the young minds of our graduates.

The Practice:

G-CARE envisages encouragement through the following schemes which are publicised widely through appropriated policies:

- Sanction of Seed Money: to facilitate the interested faculty and students to carry out their research through seed money.
- Incentives of Consultancy: Total earning out of consultancy grants shall be shared among investigator and institution on 70%-30% basis.

Evidence of Success:

- **The strategies of GRIET through G-CARE is yielding consistent improvement in relevant factors:**

Research and Development

2023

No. of Scopus Publications

639

No. of SCI/SCIE/ESCI

135

Research grants (in Lakhs)

179.9

Consultancy grants (in Lakhs)

104.8

- **Improved Score in Research and Professional Practice (RPC) of NIRF 2022:**

Year of NIRF Ranking

2023

2022

2020

RPC Score

20.06

12.6

5.71

Problems encountered and resources required:

High Quality research demands high investments in terms of facilities and continued involvement of individuals.

File Description	Documents
Best practices in the Institutional website	https://www.griet.ac.in/research.php
Any other relevant information	www.griet.ac.in/NAAC23/G-CARE%202023.pdf

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)

Students at GRIET, indulge in most of the technical relevant activities, especially in the area of research and innovations. GRIET has tremendously increased its publication count from last three years and at present the count of only student publications for the year 2022 – 23 is 189.

This increase in count of student publications, motivates them to improve their skills in – writing a paper and latest technologies trending in present society which can help in solving the society or industry problems. Mentoring students to publish the papers in good journals and presenting in conferences indulge them in increasing the Life-long learning abilities in the students and can support in betterment of the society and even promotes the student to become an entrepreneur.

Regular publication of papers in Scopus or in any Conferences, helps the students to interact with the other college students and share their knowledge on problem solving while participating in the Conference presentations.

File Description	Documents
Appropriate link in the institutional website	http://www.cse.griet.ac.in/StudentPublications.html
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

Theme

Actions

Targets

Implementation of OBE

Continuous assessment of practical knowledge through laboratory and projects as per societal needs

Efficacy to be reviewed at the end of the semester

Faculty Recruitment

Faculty with Ph.D. qualifications

By 10%

Public Perception

Disseminating achievements to all stakeholders through social media

Effectiveness to be reviewed at every semester

Research

Increase publications Quality & Quantity

By 200, progress to be reviewed twice in a year

Accreditation status of the institute

All eligible programs to be accredited

Progress to be reviewed every year.

Outreach Activities

Increase number of outreach activities

Carry out one activity in health and environment every month.

Alumni Engagement

Strengthening by

1. Alumni meets

1. Alumni Talks

Meets: Once in a year

Talks: Once in a month

Review at the end of the semester

Institutional Scholarships

Strengthen g-SUPPORT/Cheyutha to provide assistance to needy students

One scholarship per program in both UG & PG

Pedagogy and ICT

Strengthening of modern pedagogy activities

Session on Efficacy of ICT tools and experiential learning, etc to all the faculty.

Higher studies and

competitive Examination Center (HSCE)

Assist students to reach their full potential so as to successfully transit to their chosen career paths.

Carry out one activity in career guidance and competitive exams.

Effectiveness to be reviewed at every semester

Placement Training

Imparting training in soft skills

Equip students matching to the industry requirements

100% of first year students

Product and service batch trainings

Incubation Centre

Expand Incubation Centre

At least 2 startups should start operating.