



SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

GRT INSTITUTE OF ENGINEERING AND TECHNOLOGY

GRT INSTITUTE OF ENGINEERING AND TECHNOLOGY, GRT MAHALAKSHMI
NAGAR, CHENNAI -TIRUPATHI HIGHWAY

631209

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Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

GRT Institute of Engineering and Technology has become the crown jewel in the field of technical education since its inception. The institution was promoted by GRT Mahalakshmi Charitable Trust and is governed by visionary extraordinaire philanthropist Shri. G. Rajendran, since 2010 whose contribution to the Indian Jewel Industry and Tourism and Hotel Industry remains outstanding. A premier-league self-financed institution among the affiliates of Anna University,. The College implemented Choice Based Credit System (CBCS) with effect from the Academic year 2017-18. The college offers Six UG programmes with total sanctioned intake of 360 and 01 PG programme with total sanctioned intake of 60. The College is one among the most preferred for admissions by the students securing top ranks in the state level examination.GRT Institute of Engineering and Technology, in its 15 years of existence has attained a reputation as being one of the best institutions in the State of Tamil Nadu. Located on the Chennai-Tirupathi Highway near Tiruttani, GRTIET is perched amidst a sprawling 87-acre plot where 24.25 acres is dedicated for the institution, with a robust contemporary architecture befitting global standards. Approved by AICTE, New Delhi and affiliated to Anna University, The institution aims at moulding students into technologically sound, efficient, creative and responsible global citizens capable of engaging with next generation challenges. GRTIET is run by a team of eminent educationists whose dedication, commitment and expertise impart quality education, blended with a contemporary, yet pragmatic touch.

Vision

To be at the forefront of technical education, turning out high quality engineering and technical manpower to meet global needs, through academic excellence, stimulating a research-oriented ambience and inspiring teaching.

Mission

- Inculcating a culture of quality in all spheres of teaching and learning
- Providing fully equipped state of the art infrastructure and facilities
- Creating an academic ambience for students to realize their dreams
- Practicing innovative and interactive teaching in theory and practice across curriculum
- Implementing placement and training activities for holistic development, from year one onwards
- Generating a future – ready culture, that embraces challenges and acts as a change catalyst

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

The Institution has following Strength

- Focused Vision & Mission.

- Well-developed infrastructure.
- Qualified and experienced faculty & staff.
- Quality of students admitted.
- Good academic culture and ambience.
- Management supports to upgrade faculty qualifications.
- The administrative and management policies & controls are well established and operate effectively. Standard procedures, policies and practices are in place.
- Mentor systems are effective.
- Career counseling and Campus placements are strong.
- Institute location-accessible to all the Stakeholders.
- Meritorious students and University rank holders are rewarded suitably.
- Renewable energy resources are utilized and installed effectively

Institutional Weakness

Departments yet to get recognition as research centers

Exposure of Foreign University collaboration is to be improved

Institutional Opportunity

- Autonomy would enable the Institute to address the shortcomings under affiliation system.
- Utilizing the advantages of the location to build relationships with universities, businesses, and research organizations for consulting, sponsored research, sponsored R&D projects, academic engagement, student internships, etc.
- Utilize the institution's alumni base to expand more chances to develop placement value added courses and research.

Institutional Challenge

- Establishment of higher educational institutions, Private and Deemed Universities can cause unfair competition.
- Quality of student intake in certain departments due to change in preferences.
- Tough competition in research funding opportunities.
- Availability of quality faculty interested in teaching.
- As tuition fee is regulated, resource base could be affected.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

GRT Institute of Engineering and Technology (GRTIET) strongly believe that providing the right learning opportunity for the students will make them industry ready engineers.

The College being affiliated to ANNA University, Chennai., follows the Curriculum and Syllabi Prescribed by the ANNA University. The Academic calendar of the institute reflects University's academic calendar and includes curricular, co-curricular, extracurricular activities. Academic-Calendar and Teaching-plans are strictly followed and are audited regularly. Well defined mechanism for planning, execution and monitoring of curriculum and value added courses to enhance the skills of students towards industry expectations and competitive examinations. The curriculum imparts transferrable and life skills through subjects such as Human Values and Professional Ethics, Skills Development courses - Soft skills, Communication skills and Technical skills, Economics and Finance and co-curricular activities which train students in all aspects, striving towards technological and human excellence.

The curriculum also includes, Mini projects, laboratory and project work, technical report writing, and training in latest software's and technologies which is offered under technical skills. The core subjects in the curriculum provide technical knowledge in the chosen program. With a view to promote self-learning, students are required to complete at least one online certification course of minimum eight weeks duration from SWAYAM /COURSERA.

Choice based credit system has been implemented in all the programs since 2017-18. The success of curriculum design and development towards employability can be gauged through increase in net selections in placements and gradual improvement in the average pay-package, and also by admissions into higher educational institutions both in India and abroad. Post graduate management programs are designed with advanced core and elective courses along with emphasis on laboratory and research work. The curriculum of postgraduate courses includes all the aspects outlined above.

Teaching-learning and Evaluation

The quality of students seeking admission has been improving year on year which is evident by the ranks of the students joining. As they are from diverse backgrounds the institution is providing academic and other support.

Remedial classes are conducted for slow learners. Bridge courses are organized for the lateral entry students. The advanced learners are encouraged to participate in Hackathons/Design contests etc. The institute follows a Mentoring system in which around twenty students are assigned to each faculty and he/she functions as their local guardian.

The institute has a policy of recruiting well qualified and experienced faculty as per AICTE norms and this has contributed to improving the Teaching-Learning process. The institute maintains the requisite teacher-student ratio. The courses are assigned to the faculty based on their competencies and specializations. Teachers prepare an elaborate course plan, lesson plan and handouts as part of the academic schedule.

Innovative processes in Teaching and Learning like ICT tools and modern pedagogical techniques are adopted by the faculty. To bridge the gap between the curriculum and the industry requirements, discipline specific technical training programs and industrial visits are arranged. To further strengthen students' domain knowledge guest lectures, workshops, conferences etc. are organized.

The examinations and evaluation system is followed systematically in par with the rules and regulations laid by the university which are revised from time to time making the system more efficient. A set of PEOs, POs and PSOs are formulated for every programme based on the 'outcome based education' approach. Course objectives and outcomes, are prepared for each course following the appropriate levels of Blooms taxonomy. The Continuous Internal Evaluation and Semester End Examinations question papers setters also follow various levels of Bloom taxonomy such as Application, Analysis and Evaluation, so as to set quality questions which do not cater to the rote learning method.

Systematic procedures have also been devised for assessing the attainment of PEOs, POs, PSOs and COs. The appropriate corrective measures are implemented based on the attainment levels perceived every year.

Research, Innovations and Extension

The Institute has a vibrant Research environment with linkages to Government R&D Institutes, Industry and Consultancy agencies. The Institute has an approved R&D policy document to provide important information to the faculty and staff about R&D objectives, schemes, available resources and financial benefits. The Institute has formed Research Coordinators Committee and an Industry Institute Interaction committee for promoting and directing Research and Consultancy. The faculty gets to share the generated revenue according to defined revenue sharing policy. Original Research work is ensured through well publicized plagiarism policy document.

The Institute was awarded Research Projects from Tamil Nadu State Council for Science and Technology.

The Institute has 32 (perpetual & time bound) functional Memoranda of Understanding (MoU). The Institute encourages the faculty to undertake research by providing seed money, access to laboratories and research facilities. The Institute provides academic leave, for pursuing doctoral work, permission and financial support to attend conferences for paper presentation and Faculty Development Programs (FDP). GRTIET faculty has published 134 papers in UGC recognized journals.

A total of more than 70 extension activities for the community were conducted in the last five years besides organizing several blood donation camps. More than 90 Percentage of students on an averages participated in these activities through NSS unit. Every year GRTIET receiving awards and recognition from various Government and Non- government bodies

Infrastructure and Learning Resources

The Institute has ICT enabled classrooms, well equipped laboratories, sports facilities and good infrastructure spread over 24.25 acres with lush lawns, beautiful landscape, aesthetic architecture and eco-friendly environment. The classrooms are well-furnished, spacious with good ventilation and are well illuminated. They are maintained as per norms for proper visibility and audibility.

The college has three seminar halls and one auditorium . All seminar halls have different seating capacity, and these are equipped with ICT facilities. Digital boards have been installed at selected locations.

The college website provides all the essential information for the stakeholders. Updates in technology shared by faculty as blogs in the website in case of emergency, and Google classroom used for the teaching-learning process. In an Emergency situation, the class notes assignments are uploaded in Google classrooms. A bulk

ERP-SMS facility is also available to communicate important messages to all students and faculty. Webinar and Alumni talk series in a collaborative manner, Google meet license is purchased for Google rooms.

The institution recognizes the importance of the library as a good learning resource. It is updated regularly with the latest books & journals such as Journal of Advanced and Robotics, Journal of VLSI design tools and technologies etc. The central library has a facilitated with Library management Software (ROVAN LMS), reading space, reprographic facilities, Digital library. DELNET, National Digital Library of India (NDLI) membership for access e-resources. The digital library facilitated with internet facility. It enables student's remote access to DELNET e-journals.

CCTVs installed at strategic places help to monitor the campus activities. The Institution has power management department to ensure uninterrupted power supply and maintenance of electrical assets. The Institution has power house installed with Two Diesel Generators (250 & 500 KVA) and solar power with an installed capacity of 80kWP. The maintenance of equipment like Diesel Generator Sets, Power Distribution Systems, Elevators, Air-conditioners, Fire-Fighting Equipment, Drinking water, Water- coolers and Solar Panels etc. is undertaken by authorized vendors under annual maintenance contract(AMC). The Institution provides Cafeteria, Books & Stationary and Transport facilities which includes 24 buses for all students and staff.

Student Support and Progression

The key aspects as below describe the steps taken by the institution to provide necessary assistance to the students in terms of academics such as providing meaningful experiences for learning at the campus facilitating holistic development and progression. It also aims at student performance and alumni engagement and the progression of student for higher education and/or achieving employment.

The economically and socially challenged students are provided with financial assistance by State and Central Government Agencies based on certain economic criteria. Financial assistance is also given by college

Management to the needy students through Equity Action Plan.

The capability enhancement and development schemes include skill development courses: communication skills, soft skills, and technical skills and structured CRT programs. Co-curricular and Extra- curricular activities are also embedded into the system for an overall development of a student.

Remedial coaching is provided for academically weak students so that they can improve in their academics. Bridge courses are conducted for lateral entry students in the II year to address the curriculum gaps between diploma and current course of study.

The institute follows a Proctorial system in which around twenty students are assigned to each faculty. Besides this, personal counselling is given to students through a qualified professional Student Counsellor.

The consistent academic and other support rendered, has resulted in increased net selections in placements and gradual improvement in average pay package. Performance in competitive exams have also increased resulting in admissions into Higher Educational Institutions both in India and Abroad.

Sports & cultural activities are organized by the institution every year wherein the students play an important role in planning and organizing.

The institution also has a transparent mechanism for timely redressal of student grievances. Students are represented in several academic & administrative bodies/committees of the institution. The committees are Class Review Committee, Library committee, Anti ragging committee, Canteen committee, IQAC, Women Development cell etc.

Alumni Association (GRTIETAA) contributes significantly to the development of the institution through financial and non financial initiatives.

Governance, Leadership and Management

The institute has a well-defined organizational structure and the policies of the management committee and Board of Governors are implemented by the Principal with the help of Heads of the Department and various committees constituted for specific purposes. Faculty are represented in the BOG, Academic council and Board of studies as part of participative management. As part of decentralization, representatives of faculty, nonteaching staff and students participate in various Committees of the institution.

E-governance has been implemented for the purpose of admissions, finance and accounts and examinations using the in house developed software. The college implements several welfare measures for the faculty and staff for their personal and professional growth. These include medical leave, ON duty, maternity leave, provident fund etc. and financial support for higher education.

Faculty are encouraged to attend faculty development programs, Refresher courses workshops, conferences etc and are financially supported by the way of providing on duty, travelling allowance, daily allowance, registration fee etc. Professional development programs are conducted for teaching faculty and administrative / technical training programs for non-teaching staff.

The faculty is also encouraged to enhance their educational qualifications by reducing their work load, adjusting their time table and providing academic leave with pay.

The institute has a well-defined performance appraisal system for faculty and non-teaching staff. The institute has a well-defined policy for budgeting and audit including internal and external auditing. IQAC cell looks after quality aspects in the institute. The IQAC regularly reviews the teaching learning process evaluation and assessment, structure etc. and as a result new courses have been introduced with an aim to enhance not just the quality of placements but also to develop their knowledge, skill sets and overall personality.

The institute has formulated a strategic plan and continues to implement it for its overall development.

Institutional Values and Best Practices

The institution follows all the rules as per the statutory requirements with respect to academics, finance and

administration and maintains complete transparency in all its activities. The institute understands and meets the requirements of women employees and girl students with respect to safety, security, counseling and has made provision for requisite facilities accordingly.

The institution has adopted an environment friendly approach in maintaining the campus with continuous attention towards tree plantation, adopting water harvesting methods, sewerage recycling through an STP, use of recycled water and employing renewable energy resources for power generation. Facilities have been provided for the differently abled students, like ramps, elevators connecting bridge etc.

The students participate in Swachh Bharat activities, conduct blood donation camps to provide assistance to those affected by natural disasters and take part in Street cause events. The students are trained through two regular courses on Human Values and Professional Ethics with credit weightage.

While the Administrative Manual defines the roles and responsibilities of the various administrative positions, the Code of conduct for students is published in their handbook.

Enhancing employability skills by conducting various training programs in communication skills, logical thinking, LSRW, Group- discussions, Interview skills, in IT related skills (Fundamental and Advanced Programming Skills) and domain specific skills.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	GRT INSTITUTE OF ENGINEERING AND TECHNOLOGY
Address	GRT Institute of Engineering and Technology, GRT Mahalakshmi Nagar, Chennai -Tirupathi Highway
City	TIRUTTANI
State	Tamil Nadu
Pin	631209
Website	www.grt.edu.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	S.arumugam	044-27887011	8939992754	044-27887044	arumugam.s@grt.edu.in
IQAC / CIQA coordinator	D.abdul Kareem	044-27880977	9962516611	044-27887044	abdulkareem.d@grt.edu.in

Status of the Institution	
Institution Status	Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details

State	University name	Document
Tamil Nadu	Anna University	View Document

Details of UGC recognition		
Under Section	Date	View Document
2f of UGC	19-01-2019	View Document
12B of UGC		

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)				
Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	View Document	03-07-2022	12	

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

Location and Area of Campus				
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	GRT Institute of Engineering and Technology, GRT Mahalakshmi Nagar, Chennai -Tirupathi Highway	Rural	24.25	41519.06

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BE,Bio Medical Engineering	48	HSC	English	60	40
UG	BE,Computer Science And Engineering	48	HSC	English	60	60
UG	BE,Electrical And Electronics Engineering	48	HSC	English	60	24
UG	BE,Electronics And Communication Engineering	48	HSC	English	60	59
UG	BE,Mechanical Engineering	48	HSC	English	60	16
UG	BTech,Artificial Intelligence And Data Science	48	HSC	English	60	60
PG	MBA,Master Of Business Administration	24	UG	English	60	60

Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	8				18				52			
Recruited	7	1	0	8	9	3	0	12	35	17	0	52
Yet to Recruit	0				6				0			
Sanctioned by the Management/Society or Other Authorized Bodies	8				18				58			
Recruited	7	1	0	8	9	3	0	12	41	17	0	58
Yet to Recruit	0				6				0			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				33
Recruited	28	5	0	33
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				33
Recruited	28	5	0	33
Yet to Recruit				0

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				14
Recruited	12	2	0	14
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				14
Recruited	12	2	0	14
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	7	1	0	6	3	0	0	0	0	17
M.Phil.	0	0	0	1	0	0	8	3	0	12
PG	0	0	0	2	0	0	32	15	0	49
UG	0	0	0	0	0	0	0	0	0	0

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

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

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

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

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	135	7	0	0	142
	Female	113	4	0	0	117
	Others	0	0	0	0	0
PG	Male	28	0	0	0	28
	Female	31	1	0	0	32
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years

Category		Year 1	Year 2	Year 3	Year 4
SC	Male	34	25	27	25
	Female	24	18	16	19
	Others	0	0	0	0
ST	Male	0	1	0	2
	Female	0	0	0	0
	Others	0	0	0	0
OBC	Male	85	69	89	102
	Female	66	59	68	60
	Others	0	0	0	0
General	Male	30	12	33	22
	Female	23	18	22	17
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		262	202	255	247

Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary:	<p>Various engineering and management programmes are offered at the GRT Institute of Engineering and Technology. The university gains a multidisciplinary status as a result of the programmes it offers in many streams. The programmes available follow the CBCS (Choice Based Credit System) structure, where the credits assigned to the recommended courses are particular. Each course has a certain amount of credits and is designated as Core, Professional Elective, Open Elective, Skill-Based, or Value-Based. Experiential learning is incorporated into almost all PG and UG programmes in the form of projects, field trips, study tours, and internships. A course on environmental studies is part of the curriculum for all UG students in order to make them aware of environmental issues and eco-conscious. a value education course with a particular emphasis. The unique goals of different courses and the scope of various programmes all contribute to the students' overall growth. As an affiliated institution, the college adheres to the guidelines established by the parent university in regards to the entry-level requirement for a programme and the length of a program/course. The institution is restricted in its ability to permit numerous entry and departures since the university, which approves each programme offered in the college, sets the norms. Students who sign up for research programmes will be urged to do multidisciplinary research that will aid in identifying the best answers to the problems and challenges of the present. Each programme offers a non-major elective course where students can choose a course to expose them to a multidisciplinary education in a different domain. As the university determines the norms and authorizes each programme made available by the college, the institution is restricted in its ability to permit repeated admission and exits. Students who sign up for research programmes are urged to do multidisciplinary research that will aid in identifying the best answers to the problems and challenges of the present. Each programme offers a non-major elective course in which students can experience multidisciplinary education by selecting a subject.</p>
2. Academic bank of credits (ABC):	<p>Students enrolled in undergraduate and graduate degree programmes at ABC may leave and rejoin the programme within a predetermined time frame. As an</p>

affiliated institution, the college has limited options for implementing the ABC system. However, the organization will adhere to the guidelines set forth by the affiliating university. The institution made initial steps to make necessary registration process for ABC. Our college encourages its faculty to make insightful recommendations for developing the curriculum. Senior educators who serve as Chairpersons or Members of the University's Board of Studies make recommendations for curricular enrichment. Every student must have access to the ability to open an individual or unique Academic Bank Accounting digital form through Academic Bank of Credits. The account holder must also have access to the Standard Operating Procedure as well as a unique ID (SOP). By allowing students to gain credits from a variety of HEIs registered under this scheme as well as through an online library of courses like SWAYAM and NPTEL, the ABC Regulations aim to support blended learning. Regarding pedagogy, instructors are always urged to experiment with fresh, learner-centered approaches. In teaching learning, besides, the prescribed text books and reference books, the teachers have the liberty to access any other book or material with content related to the topics prescribed in the syllabi. The teachers are also encouraged to provide additional resources / reading materials. Regarding assessments, both internal and external, the assessment criteria prescribed by the affiliating university is strictly

3. Skill development:

Enhancing soft skills is accomplished by conducting specialized programmes on soft skill development with subject-matter specialists. The institution, in addition to teaching the curriculum, undertakes a number of efforts to provide value-based education. Life skill programmes are run to advance moral principles. To encourage national integration, significant days and events are observed, such as Republic Day, Independence Day, Constitutional Day, Voter's Day, Environment Day, and National Integration Day. On these occasions, competitions are held in order to inspire students and instill virtue in young people. Every Undergraduate student enrolled to the college is required to join one of the clubs or cells, such as NSS, YRC, RRC, Eco Club, etc., in order to graduate. Programs on life skills, such as yoga, meditation, women's safety, health and

	<p>hygiene, etc., are planned with the help of business professionals who provide practical instruction.</p>
<p>4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):</p>	<p>India is a cultural treasure trove, with a long history that has produced works of art, literary works, customs, traditions, language expressions, artifacts, historical places, and more. Particularly, languages affect the manner in which members of a given culture communicate with others, including family members, superiors, peers, and strangers, as well as the tone of their conversations. Thus, our languages serve as a container for culture. The college has promoted our country's culture and history ever since it was founded. The program's required electives have an Indian tradition, culture, philosophy, and knowledge system as their primary subject. The college uses English as its primary language of instruction because it is a higher education institution. The university has also noted the challenges that students experience when using English in the classroom. Teachers are also expected to use a multilingual approach to instruction while taking into account the socioeconomic, cultural, and language backgrounds of the students. Additionally, it was discovered that the multilingual delivery method improved the pupils' receptive skills. The bilingual style of delivery is recommended in practically all programmes because the majority of our students come from rural backgrounds and because it helps them understand the things they are being taught. By providing a curriculum in Indian Culture, one of the state's uncommon subjects, the college promotes Indian culture and customs.</p>
<p>5. Focus on Outcome based education (OBE):</p>	<p>A system known as "outcome-based education" focuses on the course's outcomes in all of its components and facets. Students enroll in courses with the intention of mastering a certain skill or obtaining knowledge, and they are required to do so by the course's conclusion. No particular learning method or time frame exists. The students can choose how they want to learn. Based on the desired results, the instructors, moderators, and faculty members direct the students. Specific programme and course outcomes are listed for each of the programmes and courses that are recommended in the syllabi. Through meetings of the Board of Studies and Academic Council, the affiliating university is sufficiently represented during the design and development of the</p>

	<p>curriculum to place more emphasis on the course outcomes. Through meetings of the Board of Studies and Academic Council, the affiliating university is sufficiently represented during the design and development of the curriculum to place more emphasis on the course outcomes. It is advised to add more courses that emphasizes experiential learning to the curricula. Our curricula include skill-based courses, job-seeking courses, and project work to make sure that our education is outcome-based. The university has seen a movement away from traditional teaching approaches, and the teaching and learning process is now more focused on the learners. Continuous internal assessments are used to evaluate students, including quizzes, group discussions, seminars, peer team teaching, and assignments.</p>
6. Distance education/online education:	<p>The college only provides regular programmes because it is an affiliated institution. There is no remote learning or online programmes available. The college has seen numerous teaching and learning process phases throughout its academic career. Chalk and talk was previously the most widely utilized method of instruction. Due to recent breakthroughs in science and technology, the education sector has become entirely digital. ICT is encouraged in the teaching and learning process at our college. Our management continuously expands the college's infrastructure and ICT capabilities in order to satisfy demand. The use of numerous virtual platforms for teaching and learning has risen in the post-Covid scenario. Many online teaching technologies are now widely used by the teacher and student communities. The college has utilized blended learning to its fullest potential during the pandemic. The college has experimented with blended learning by combining traditional physical classes with online tests, quizzes, webinars, and assignments.</p>

Institutional Initiatives for Electoral Literacy

1. Whether Electoral Literacy Club (ELC) has been set up in the College?	Yes, The Electoral Literacy Club (ELC) exists in our college and is successfully run with the full support of our students. Students become familiar with the election process—including voter registration and voting—through a variety of activities.
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<p>2. Whether students' co-ordinator and co-ordinating faculty members are appointed by the College and whether the ELCs are functional? Whether the ELCs are representative in character?</p>	<p>We have coordinators who are members of the faculty and students who have been chosen by the college, which also has its own representatives. This group carries out its duties by recruiting student participants for various awareness campaigns. The following members make up the ELC: 1. Chairman 2. Coordinators of the Faculty 3. Employees of the department 4. Student delegates for the positions of president, vice president, secretary, and joint secretary.</p>
<p>3. What innovative programmes and initiatives undertaken by the ELCs? These may include voluntary contribution by the students in electoral processes-participation in voter registration of students and communities where they come from, assisting district election administration in conduct of poll, voter awareness campaigns, promotion of ethical voting, enhancing participation of the under privileged sections of society especially transgender, commercial sex workers, disabled persons, senior citizens, etc.</p>	<p>Every year, our ELC conducting lectures for first year students to inform their rights and inspire them to exercise those rights by casting a ballot. This program helps to educate our students about their rights and to motivate them to utilise those rights by voting. Additionally, the club encourages the students to participate in SVEEP (Systematic Voters' Education and Electoral Participation Program) competitions because doing so would help them gain knowledge and self-assurance. The various ELC competitions were organized in our campus with the support of Thasildhar / Collectorate office officials. Our Students were actively participated and received cash rewards, certificate and medals. Mr.VimalRaj Faculty coordinator actively involved with all the ELC club students and makes them vibrant to spread the importance of voting among the rural peoples by conducting suitable outreach rally activities.</p>
<p>4. Any socially relevant projects/initiatives taken by College in electoral related issues especially research projects, surveys, awareness drives, creating content, publications highlighting their contribution to advancing democratic values and participation in electoral processes, etc.</p>	<p>Students are encouraged to make the necessary awareness among the rural areas in the form of rally conduction with suitable pictorial sign boards. Prototype Electronic Voting Machine (EVM) was developed by our students and demonstrated effectively among the publics As instructed by the District Collector Officer every year our students were actively participated the awareness exhibition program,</p>
<p>5. Extent of students above 18 years who are yet to be enrolled as voters in the electoral roll and efforts by ELCs as well as efforts by the College to institutionalize mechanisms to register eligible students as voters.</p>	<p>The club collaborates along with the District Collector office who is also the District Election Officer (DEO) periodically participate and assign events to the club to create awareness on the importance of voting through various programs like rally , surveys and conducting Competitions. With the support of ELC our first year students are motivated to enrol their names in the electoral roll.</p>

Extended Profile

1 Students

1.1

Number of students year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
873	904	1046	1235	1499

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

2 Teachers

2.1

Number of teaching staff / full time teachers during the last five years (Without repeat count):

Response: 172

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

2.2

Number of teaching staff / full time teachers year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
87	96	110	108	135

3 Institution

3.1

Expenditure excluding salary component year wise during the last five years (INR in lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
148.09	116.73	931.18	235.1	238.88

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

1.1.1 The Institution ensures effective curriculum planning and delivery through a well-planned and documented process including Academic calendar and conduct of continuous internal Assessment

Response:

Curriculum

ANNA University formulates and revises the curriculum every 4 years. GRT Institute of Engineering and Technology, affiliated to ANNA University follows the curriculum and implements it in a pre-defined plan. Every Year(Semester wise), Academic plan is scheduled by ANNA University to all the affiliated Engineering Colleges.

Academic Calendar

Based on the ANNA University Academic Schedule (Semester wise), The Principal with all Heads of Various Departments formulate the Academic Calendar which includes Internal Assessments, Department wise events (Guest Lectures, Industrial Visits, Government Holidays etc.), various curricular, extra and co-curricular activities. Academic Calendar is circulated to the Faculty and the Students by the HODs' of all Departments. It helps the faculty to plan their academic activities meticulously.

Conduction of Internal Assessments

Subject Allocation:

The faculty members will be asked to choose the subjects that they are willing to handle and the same shall be forwarded to their respective department HODs' as this ensures better academic outcome. All the HOD's allocate the subjects based on willingness and the faculty specialization.

Time Table:

Based on the number of credits to the subjects in Anna University Prescribed Syllabus for affiliated colleges and also with the consideration of the Academic Calendar, Time Table Coordinator of each department prepares the Time Table and the same shall be circulated to the Faculty and the Students and displayed on the notice boards of respective departments.

Lesson Plan

All the Faculty members prepare their teaching plan meticulously with the help of the Academic Calendar and the Time Table. The Lesson Plan which includes Syllabus Coverage with proposed dates and Assignment plan will be approved by the Head of the Department concerned.

In case of Laboratory sessions, Faculty members prepare lab manual based on the curriculum formulated

by ANNA University.

Internal Assessments

Internal Assessments and a Model Exam for each department are properly scheduled and the same is circulated in advance by The Principal and the respective HODs. The Schedule is devised based on the Academic Calendar. The Faculty members will evaluate the papers and the consolidated mark sheet will be reviewed by The Principal with the HODs and the department Faculty.

Answer Scripts Evaluation Process

After the completion of the exams, Answer scripts will be given to the faculty concerned to evaluate within 3 days from the commencement of the exam. After evaluating, the answer scripts must be provided to the students for clarifications and the same shall be submitted to the department exam cell and the marks shall be entered into the exam cell system.

Class Committee Meeting

HODs of all the Departments appoint a committee to monitor and review the syllabus coverage and classroom Facilities. The Committee Report is discussed in department meeting and then remedial action is taken by the HOD.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

1.2 Academic Flexibility

1.2.1 Number of Add on /Certificate/Value added programs offered during the last five years

Response:

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

1.2.2 Percentage of students enrolled in Certificate/ Add-on/Value added programs as against the total number of students during the last five years

Response:

1.2.2.1 Number of students enrolled in subject related Certificate/ Add-on/Value added programs year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
513	528	580	636	824

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

1.3 Curriculum Enrichment**1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum****Response:****Professional Ethics and Human Values**

To nourish the professional ethics and human values among the engineering students, ANNA University provided few courses as elective papers in the curriculum. These soft-skills natured courses help the students understand and develop human and ethical values to be an asset to the society and also an important organ in the work place through their meticulous performances. Though it is a part of curriculum, College takes tremendous efforts to integrate moral and human value based topics and conducts various skill development programs through placement cell for enhancing and improving their personality traits.

These Professional courses will make the students to be able to understand the pulse of the society and contribute through finding solutions to the social evils and also to be the role model for the Engineering graduates.

Apart from the curriculum, Industrial Visits for all departments are arranged to ensure the infusion of the industry practices and work culture. Students are encouraged to undergo internships during vacation and working days (if needed) to get an exposure to professional environment.

Gender Equality

GRT Institute of Engineering and Technology created Women's Grievance committee to promote a healthy working environment for all our female Faculty, Students and Staff. This committee organized various awareness programmes and creates a gender-sensitized environment in our campus. Every Year College celebrates International women's day with active students and faculty participation.

Environment and Sustainability

In the curriculum of the Anna University, Environmental studies, an interdisciplinary course is made mandatory for all UG programmes. This course helps the students learn about the physical environment and how to deal with difficult environmental problems that harm nature. Few elective courses are available to help the students to make them aware of the role of Geographical Information System and the importance of Renewable Energy Sources.

Through NSS Committee, College organizes various programmes to encourage the students to become socially conscious, develop leadership skills, and learn about different life styles of the people.

Tree plantation day is organized in our campus to make students aware of the importance of planting trees towards the sustainability of our environment.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

1.3.2 Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)

Response:

1.3.2.1 Number of students undertaking project work/field work / internships

Response: 464

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

1.4 Feedback System

1.4.1 Institution obtains feedback on the academic performance and ambience of the institution from various stakeholders, such as Students, Teachers, Employers, Alumni etc. and action taken report on the feedback is made available on institutional website (Yes or No)

Response:

File Description	Document
Upload supporting document	View Document

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Enrolment percentage

Response:

2.1.1.1 Number of students admitted year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
262	202	255	247	383

2.1.1.2 Number of sanctioned seats year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
360	360	588	588	530

File Description

Document

Upload supporting document

[View Document](#)

Institutional data in the prescribed format

[View Document](#)

2.1.2 Percentage of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy) during the last five years (Exclusive of supernumerary seats)

Response:

2.1.2.1 Number of actual students admitted from the reserved categories year - wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
209	172	200	208	326

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

2021-22	2020-21	2019-20	2018-19	2017-18
252	252	410	410	372

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

2.2 Student Teacher Ratio

2.2.1 Student – Full time Teacher Ratio (Data for the latest completed academic year)

Response:

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 using ICT tools

Response:

Response:

- The motto of the Institute is to primarily strengthen the academic potential of the students. Students will be trained with the appropriate combination of both conventional and modern pedagogical strategies that result in better inculcation of knowledge and employability skills among the students. The student-centric approach encourages the students to taste fruitful educational experiences to be utilized for the overall benefit of the students.
- Different types of student-centric strategies are being devised to increase students' active participation in experiential learning, participatory learning, and problem-solving skills.
- Feedback from students on courses and teachers is collected at the end of each semester, which provides an opportunity to identify the flaws that can be rectified instantly.

Experiential Learning:

- State-of-the-art laboratories have been established to train the students with modernized industrial practices in order to make them job ready after the completion of their courses.
- Our institution established e-learning facilities and resources online public access catalogue and lecture tutorials to improve creative thinking in technical and research fields.
- All the students are involved in experiential learning by doing mini projects, major curriculum projects, and internships in industry.
- Students compete in a variety of design and experimental competitions, such as the Electric Two-Wheeler Design Competition, the Bicycle Design Competition, and the Autodesk Fusion 360

Design Mega Challenge.

- Every semester, each department arranges Industrial and Hospital Visits, Internships and In-plant Training in the best industries to expose students into industrial work culture.

Participative Learning:

- By connecting students to real-world scenarios through current training methods, students are encouraged to take part in national and international level competitions, conferences, seminars and workshops both inside and outside of the college.
- The institute organizes an annual technical festival, GRT-Texpo, Where students showcase their skills and capabilities in the academic domain through innovative projects.
- Workshops and value-added programmes are conducted to give participants hands-on experience with cutting-edge technologies.
- Regular guest lecture programs are conducted on topics relevant to the major players of the industries.
- The department organizes student-centric events to promote teamwork, such as NSS camps, institutions' social responsibility is fulfilled through the Red Cross, village adoption, tree planting, Swachh Bharat, and health awareness camps which help students learn the art of living peacefully with adherence to social values..

Problem-Solving Skills:

- Students improve their problem-solving skills through case studies and the faculty members use the case study method in the teaching process to enable students to develop logical thinking and practical knowledge to solve problems.
- All of these skills are taught in English language courses and implemented in all the departments.
- Exam question papers are meticulously prepared in order to induce analytical, reasoning, and scenario-based applications among the students. Free Internet access in the library and Wi-Fi facilities in campus encourage self-study.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

2.4 Teacher Profile and Quality

2.4.1 Percentage of full-time teachers against sanctioned posts during the last five years

Response:

2.4.1.1 Number of Sanctioned posts / required positions for teaching staff/ full time teachers year wise during the last five years:

2021-22	2020-21	2019-20	2018-19	2017-18
87	96	110	108	135

File Description	Document
Upload supporting document	View Document

2.4.2 Percentage of full time teachers with NET/SET/SLET/ Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. during the last five years (consider only highest degree for count)

Response:

2.4.2.1 Number of full time teachers with NET/SET/SLET/Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
20	17	19	15	14

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

2.5 Evaluation Process and Reforms

2.5.1 Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient

Response:

Internal assessment mechanism is robust, transparent, and consistent in terms of frequency and mode of Response:

The college is facilitated by an open and comprehensive evaluation process. The Students who have chosen the relevant course are continually evaluated using a variety of evaluation procedures.

The head of the department conducts frequent Department Meeting with the faculty members to carry out the evaluation process effectively. Unit tests, assignments and projects are all used for meticulous evaluation. According to the academic schedule outlined, assessment examinations are conducted on a regular basis.

Internal Assessment Test / Model Examination (UG)

The schedule for internal exams is posted on notice boards well in advance. The students are informed of their performance, and if necessary, the parents are also informed. The Students who get low marks are counseled and they are also asked to meet the Head of the Department concerned. The parents are advised to meet the Counselors of the students with very poor performances on academic matters and also behavioral delinquency. In this way, the internal evaluation process is transparent and reliable.

Class committee meetings are conducted regularly to discuss students' academic and nonacademic issues, and they are resolved immediately for the students' betterment.

Procedure for Conducting University Practicals/ Viva Voce Examinations

In order to write university practical and theoretical exams, students must have a minimum of 75% attendance. Less than 65% attendance shall result in debarring of them from appearing for the University exams. The Students who have 65% to 74% should be allowed only by the genuine medical certificate and the same has to be verified and approved by the head of the institute. The practical exams are conducted in batches. The question paper is set jointly by the internal and the external examiners and the paper is evaluated by the internal or the external examiner and the grades are awarded. According to university procedure, the project viva voce is conducted by both external and internal examiners.

University Theory Examinations

For conducting the Anna University Theory Examination as required by the university, invigilation duties, seating arrangements in the hall, and distribution of hall tickets are handled by the Exam Cell. The Chief Superintendent delivers the sealed covers to the Zonal Office through the University Representative.

Students Grievances:

If the students feel that the grade they have been awarded is inappropriate after the university has announced the results, they may request reprints. The Students will receive a photocopy of their evaluated answer sheets from the university within a specific time period. If students are dissatisfied with their grade after receiving the photocopies, they may request reassessment. The application is forwarded to the University for further consideration.

The student have the option to request a challenge valuation even after the revaluation if they are unhappy with the outcome. The COE of Anna University resolves complaints about the Anna University Examination, including requests for photocopies, revaluation, and reviews of the results they received.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

2.6 Student Performance and Learning Outcomes

2.6.1 Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution are stated and displayed on website and attainment of POs and COs are evaluated

Response:

The college has five undergraduate courses (Biomedical Engineering, Computer Science and Engineering, Electrical and Electronics Engineering, Electronics and Communication Engineering, and Mechanical Engineering) and one postgraduate course (Master of Business Administration). In terms of academic progress, the college is linked with Anna University, Chennai and adheres to the university's curriculum and syllabus.

Program Specific Outcomes (PSOs), Course Outcomes (COs), and Program Outcomes (POs) are all well-defined in accordance with the vision and mission of each department as well as Bloom's Taxonomy, a taxonomy of educational goals. The basics of engineering, enduring discipline specific knowledge, the requisite abilities and the quantity of learning anticipated at the end of a course are all described in COs, which are straightforward assertions. The course outcomes are provided by the university. When the PSOs and the POs from all the branches are taken into account, each course in the programme has five to six course outcomes. They are explicitly stated and communicated. In the end, they are discussed in the meeting and approved. The entire syllabus, learning goals, and assessment schedule for each course are also distributed to the students.

In order to ensure that the students gain the necessary skills, special attention is paid to it, including job-oriented, skill-oriented and entrepreneurship-oriented skill development training courses.

Program Outcomes, Program Specific Outcomes

The programme outcomes, program-specific outcomes, and course outcomes for every program of the college are specified, available on its website and communicated to instructors and students.

For the benefit of the professors, students, and general public, POs and PSOs are displayed in various essential places of the campus and the same are also disseminated to students, alumni, and industries through student/employer/Alumni feedback forms and survey forms.

Also, it is printed in the Academic Calendar, Class Committee Meeting, Parents-Teachers Meeting, Tutorial, Assignment, Observation, and Record and Test Notebooks. While addressing the students, the course handling faculty members create awareness about COs, POs, and PSOs.

The HOD, faculty members, class in charge, tutors, and course coordinators also inform, create, and emphasize the need to attain the outcomes among the students.

Attainment of program outcomes

Program outcomes (POs) are broad assertions that summaries the professional accomplishments that the programme seeks to achieve and that the students are expected to have attained by the program's conclusion. Students must acquire a range of interconnected knowledge, skills, and personality traits known as POs in order to graduate. PSOs are the specific requirements and feats that each student must achieve at the micro level at the end of the course.

The PEOs have been divided into three categories: intellectual values, social sensitivities, and moral values. Also, by including different system stakeholders, the skills and performance indicators for each of the program's educational goals are set. This leads to the development of a wide range of course-level competencies and performance indicators.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

2.6.2 Pass percentage of Students during last five years

Response:

2.6.2.1 Number of final year students who passed the university examination year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
219	312	328	372	430

2.6.2.2 Number of final year students who appeared for the university examination year-wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
243	315	340	426	489

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response:

File Description	Document
Upload database of all students on roll	View Document

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1 Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)

Response:

3.1.1.1 Total Grants from Government and non-governmental agencies for research projects , endowments, Chairs in the institution during the last five years (INR in Lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
15.675	1	4.775	11.275	0.297

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

3.2 Innovation Ecosystem

3.2.1 Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

Response:

Response:

GRT Institute of Engineering and Technology (GRTIET) has built the research ecosystem for research and development, innovation, knowledge generation, knowledge transfer, and skill development of the students and faculty members. The developed ecosystem intends to promote Research and Innovation through the R&D cell, develop essential human resources and entrepreneurial skills through the Entrepreneurship Development Cell (EDC), and focus on the creation and dissemination of knowledge through well-established infrastructure. GRTIET has signed MOUs with various industries and organisations to organise numerous skill development programmes aimed at fostering entrepreneurship among the students. The academic and research capabilities of GRTIET consistently contribute to the innovation ecosystem and motivate the students to become entrepreneurs by providing innovative solutions to real-world problems. The GRTIET-EDC frequently executes development programmes to improve students' knowledge of innovation, creative thinking, and product development and to convert these ideas into new products. GRTIET organises guest lectures, seminars, workshops, and motivational speeches for students, teachers, and alumni in order to realise the objective of EDC Cell and provides a platform for students to develop creative ideas with global recognition as well as earn money through consulting and student start-ups.

The Research and Development Cell organises various programmes and seminars for writing articles and proposals, the application of different methodologies for data analysis, etc. In addition, R&D Cell promotes interdisciplinary collaboration between various departments working on innovative projects in modern IoT, Computer Science, Robotics, Renewable Energy and Automation technologies. R&D Cell also guides the faculty members to submit the proposals to various funding organizations such as DST, TNSCST, AICTE etc. and provisions in the way of financial support for publishing their articles in reputed journals. It also advises the faculty members and students to participate in National and International level conferences and competitions to get exposure to the latest developments in their field.

GRTIET collaborates with different industries, organizations, and institutions to share knowledge for the betterment of students and provide research facilities that help carry out research projects with the support of collaborating industries, organizations, and institutions. Moreover, various programmes related to Intellectual Property Rights (IPR) have been conducted to create awareness of writing and filing patents among students and faculty members. Therefore, our faculty members are encouraged to attend the seminars, FDPs/Workshops on IPR with the required financial support.

GRTIET established a research ecosystem to transform the faculty members and students into active researchers and expects in terms of reputed publications, funded R&D projects from industries/organizations and patents with the affiliation of our institution.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

3.2.2 Number of workshops/seminars/conferences including on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship conducted during the last five years

Response:

3.2.2.1 Total number of workshops/seminars/conferences including programs conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
18	13	14	12	10

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

3.3 Research Publications and Awards

3.3.1 Number of research papers published per teacher in the Journals notified on UGC care list during the last five years

Response:

3.3.1.1 Number of research papers in the Journals notified on UGC CARE list year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
44	12	25	13	2

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

3.3.2 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years

Response:

3.3.2.1 Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
14	2	0	0	0

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

3.4 Extension Activities

3.4.1 Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the last five years.

Response:

GRT Institute of Engineering and Technology actively participates in a variety of holistic extension activities programmes for its own students and the surrounding villages of Tiruttani and Arakkonam. GRTIET has conducted various societal relevant activities through the National Service Scheme (NSS) to promote the social and overall development of humanity in nearby villages such as Guruvarajapet, Balapuram, Dharanivaragapuram, Ameerpet, Suryanagaram, Vinayapuram, Poonimangadu, Nallatur, Mangapuram, Arungulam, and Beerakuppam Village, etc. In accordance with NSS, GRTIET has organised numerous health camps and initiatives to raise awareness about World Health Day and International Yoga Day. In addition, GRTIET has conducted blood donation camps to raise awareness about the health of human society, and many of our GRTIET students have volunteered and assisted the needy directly and indirectly.

GRTIET has held tree plantation camps in Arulmigu Subramanya swamy Thirukovil, Tiruttani and conducted a Mega Tree Plantation Programme at Govt Higher Secondary School, Guruvarajapet village, Arakkonam Taluk to raise awareness on the greenhouse effect and save earth among the school students with the association of Vidyaland Thangavayal Vanidhasan Trust. On the International Day of Yoga, NSS also organised programmes to raise awareness about Yoga as a way of life, with the aim of promoting the value of human health and fitness, both physically and mentally. This programme educates participants on how to maintain physical fitness in the age of modern technology.

GRTIET-NSS has launched several social well-being projects for the nearby residents to get awareness on Road Safety for college students, the importance of Gender Equality, awareness on the Indira Gandhi National Old Age Pension Scheme, the Pradhan Mantri Kisan Samman Yojana Scheme (farmers scheme), enrichment for the Aadhar card, voter ID, etc. Moreover, we are conducting various programmes on health-related awareness, including an AIDS awareness program, a dengue awareness program, and a cancer awareness programme in association with Peacock Hospital, Tiruttani. GRTIET-NSS has involved in distribution of sanitizer, mask, food, GABASURA KUDINEER and awareness on "AarogyaSetu" application to the public at nearby villages of Tiruttani during COVID pandemic period. Moreover, Our NSS volunteers has supported in various societal activities such as Mass Cleaning Programme on Tiruttani Railway station, Hospital Cleaning Activity, campaign of avoiding plastics at in and around Tiruttani town, waste management etc with the support of Tiruttani Municipality. The volunteers have also contributed by assisting the public at the railway station and supporting vehicle traffic control with traffic police during the temple festival (Aadi Kiruthigai) at Tiruttani. They are also involved in the distribution of tarpaulins to rain-affected areas at Mangapuram Village.

GRTIET-NSS volunteers have conducted night study classes for dropout students in villages around Tiruttani with the support of the Revival Organization for Social Empowerment. The awareness programs on important of education, essential of healthcare and eco-friendly environment are also conducted for school students as they are the future generation of our country.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

3.4.2 Awards and recognitions received for extension activities from government / government

recognised bodies**Response:**

GRT Institute of Engineering and Technology (GRTIET) has received many appreciations and recognitions apart from its academic achievements. Our GRTIET-NSS club is planning numerous social awareness activities as extension activities in the effort of creating a holistic environment for the benefit of the nearby community. Our NSS club has been recognized for its societal relevant activities by various trusts and foundations, such as Vidiyal Trust, Peacock Hospitals, Prajapita Brahma KumarisIshwariya Vishwa Vidyalaya, Southern Railway (Tiruttani Station), Revival Organization for Social Empowerment, Thangavayal Vanidhasan Foundation, and Tiruttani Municipality. The GRTIET-NSS club has been acknowledged for 39 activities over the past 5 years.

Our GRTIET-NSS has been appreciated for assisting activities in Mega Tree Plantation and Tree Plantation Activity at Arulmigu Subramany Swamy Thirukovil, Tiruttani by Vidiyal Trust and Revival Organization for Social Empowerment during the academic year 2021-22. Tree plantation and Cleaning Activity of GRTIET-NSS at Government Primary Union School, Ameerpet, Arakkonam Taluk was acknowledged by Thangavayal Vanidhasan Foundation. The programmes emphasizing the importance of Gender Equality at Government Higher Secondary School, KG Kandigai, Balapuram Village, and RK Pet Taluk were appreciated. Our NSS volunteers have extended their support in conducting the health camps at Sreenivasapuram, Vinayapuram, and Arcot Kuppam Village in association with Peacock Hospitals, Tiruttani, and at Dharanivarapuram with the provisions of the Vidiyal Trust.

Our NSS club was recognized by Tiruttani Municipality for participating and conducting the awareness on waste management to public, Mass Cleaning Programme, awareness on Dengue Fever at Maddhur Village, awareness on Hazardous of Plastic Usage among Public at Tiruttani Town during the Academic Year 2021-22. It also acknowledged our NSS activity "Campaign of Avoiding Plastics" at Tiruttani Town in the Academic Year 2011-12. The International Yoga Day has been conducted every year, and our activity was endorsed by Prajapita Brahma KumarisIshwariya Vishwa Vidyalaya, Tiruttani. We also contributed to social service activities during the COVID pandemic period by conducting programmes on awareness of COVID-19 precautions and the distribution of "GABASURA KUDINEER" with the support of the Vidiyal Trust. The AIDS awareness programmes are also conducted by our NSS volunteers associated with the trust "Revival Organization for Social Empowerment". Many blood donation and testing camps were organised to educate the villagers on the importance of blood donation with the association of Peacock Hospital in Tiruttani, and the effort of our team was acknowledged with letters of appreciation and recognition.

We also contributed to creating the importance of education and conducted night coaching classes to dropped out students and rolled out the information of old age pension scheme to the villagers with Revival Organization for Social Empowerment Trust. Our volunteers have worked for Swachh Bharat Programme at Railway station, Tiruttani and disseminate the knowledge on waste management to the villagers. The assisting to the traffic and guiding the people during at Arulmigu Subramany Swamy Thirukovil- Aadi Kiruthigai Festival was highly appreciated and endorsed the effort by Railway station, Tiruttani.

The awards and recognitions received from different NGOs and the Trust motivated our NSS volunteers and made them involved in creating a positive environment.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

3.4.3 Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organised in collaboration with industry, community and NGOs) during the last five years

Response:

3.4.3.1 Number of extension and outreach Programs conducted in collaboration with industry, community, and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
16	13	15	14	12

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

3.5 Collaboration

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

Response:

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 Availability of adequate infrastructure and physical facilities viz., classrooms, laboratories, ICT facilities, cultural activities, gymnasium, yoga centre etc. in the institution

Response:

GRT Institute of Engineering and Technology sits on 24.25 acre land with a built up area of 41519.06 Square meters. The institution since its inception in 2008 has never compromised with the complete facilities. The facilities are utilized to assist the students to innovate, impart team spirit and have competence to face the global challenges and become the contributing members of modern society. The college firmly believes that the adequate infrastructure facilities will afford ample of opportunities for both the faculty and the students' academic development.

The facilities are more available than the requirement prescribed by AICTE and Anna University. As the institution is affiliated to Anna University, all the courses and academic programs are framed well by Anna University taking suggestions from the college, industry and other stakeholders. The requirements of various industries, current developments in the domains of science, engineering and technology and the specific needs of the society, decide the contemporary courses to be included in the curriculum.

ACADEMIC FACILITIES

The instructional (classrooms, laboratories, library, seminar halls, auditorium, computer centers, etc.) facilities are surplus. All laboratories are fully equipped with latest equipments. The computing facilities of the college cater to the needs of faculty and students to foster an effective Teaching Learning Process. A health computing ratio of 1:4 computers to student against the prescribed ratio of 1:6 is being maintained. The main library with an area of 583 Square meters with a seating capacity of 150 is maintained. The digital library is equipped with personal computers that are connected with Wi-Fi and LAN for fast access of the Internet for streaming NPTEL lectures and using e-Resources for the benefit of its users. The class rooms are spacious and fully ventilated. LCD projectors, smart class rooms with internet facility, well-equipped laboratories Seminar Hall, Auditorium, Department Library, Reading Room and Main Library are asserted.

ADDITIONAL INFRASTRUCTURE

The Generators with a capacity of 500 KVA and 250 KVA, 24-hour internet in the campus with a band width of 200 Mbps, Medical Aid along with Ambulance facility, Transport facility, NSS, RO Plant, Hygienic Canteen, ATM Service, Reprography, Sewage Treatment, Hostel and Mess are well retained.

SPORTS AND OTHER FACILITIES

Sports activities, Yoga training, and Gym facilities are well maintained in shaping the students to be healthy mentally and physically. The college has excellent infrastructure for sports and provides professional coaching to the students. Regarding sports and games, GRT Institute of Engineering and Technology is equipped with the required facilities for facilitating the students to actively take up and practise the indoor and the outdoor games.

EXTRA-CURRICULAR ACTIVITIES

To encourage the Extra-Curricular activities ,the students are very much encouraged to participate in Science day Projects , Elocution (Tamil and English), Drawing, Art from Waste, Photography, Multimedia Presentation, Collage Making, Poetry Recitation, Slogan writing, Essay Writing, Poster Making, Video Making, Dance, Music, Photography, and Debate.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

4.1.2 Percentage of expenditure, excluding salary for infrastructure augmentation during last five years (INR in Lakhs)**Response:****4.1.2.1 Expenditure for infrastructure augmentation, excluding salary during the last five years (INR in lakhs)**

2021-22	2020-21	2019-20	2018-19	2017-18
4.54	10.56	721.34	13.32	8.08

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

4.2 Library as a Learning Resource**4.2.1 Library is automated using Integrated Library Management System (ILMS), subscription to e-resources, amount spent on purchase of books, journals and per day usage of library****Response:****About ILMS – Library Management Software**

The library is automated with Rovon LMS library management system software with version 7.0 which has bar-coding system and multi-user library management system that supports automated system of the library. The main objective of our library automation is to provide a quality service to readers and to establish an efficient book storage system.

The library can be accessed from 8.30 A.M to 6.00 P.M during the working days and from 9.00A.M to 12.00P.M during the holidays. The institute strives to provide the best and latest collection of books, journals and other online resources to the students and the faculties.

A library management system is software that is designed to manage all the functions of a library. It helps librarian to maintain the database of new books and the books that are borrowed by members along with their due dates.

LIBRARY AUTOMATION

SOFTWARE DETAILS:

Name of the ILMS software : Rovam LMS 7.0

Nature of Automation : Fully Automated

Version : 7.0

Year of Automation : 2020

Library Software Modules:

The library software has many modules and every module serves for different purposes, they are listed as

- Acquisition
- Circulation - Issue / Return / Renewal / Reserve
- Catalogue - Stock verification / Loss / Recovery
- Search - Book search
- Member - Member registration (Staff / Student)
- E-gate - Check-in / Check-out
- Report - Report generation

The acquisition & cataloguing module of the library management system enables the librarian to select & buy books, journals, and other resources and create a database of the same for easy book search.

Facilities:

- The library functions under open access system which is fully computerized for issuing, searching and returning books.
- All the books are bar-coded and bar-code scanners are used in circulation counter for book transaction.
- The searching, renewal and arrangement of books and journals are made easier to circulate with the help of bar-code scanner.
- The library has the internet connection with the speed of 200Mbps & 50 Mbps to access e-books, journals and other latest technology searches.

Circulation:

Students can check the availability of book by searching through the title or author's name of the book. They can also access through the physical stack area, the entry is made with the library software through login software and issued to the staff and students. As per the regulation, text books and reference books are made available in the library.

Subscription to e-resources:

The college library has various institutional memberships for e-resources and e- journals. The institute has the membership for National Digital Library (NDL), DELNET, NPTEL (3477) Active local chapter, digital library with online paid and un-paid journals (944) and e-books (1983). The publications of faculty and students are accessible in the library.

Usage Report generations:

Generating and printing reports like issue, renewal and return of book, monthly and yearly report facilities are also available.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

4.3 IT Infrastructure

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

Response:

System Resources

GRT Institute of Engineering and Technology provides excellent IT facilities to the students and the faculty. The available computer systems with LAN connection are 406. The highly configured HCL computer with 8 GB RAM and 500 GB HDD is accessible. There are two servers maintained in the server room for providing network connectivity in the campus.

The College has employed a full time IT consultant for maintenance and support of the ICT infrastructure. LAN and Network connections are effectively monitored by the IT consultant. The institution provides access to desktop systems to both the faculty and the students which allows them to make use of computer aid for academic projects, practical sessions and learning.

Wi-Fi and Internet

Internet facility is supplied through Sennet and Srinet services with the bandwidth of 215 Mbps. The computers from different blocks are inter-connected with LAN through switches. The entire campus

including hostel block has various Wi-Fi access points to gain educational resources through internet and intranet service. The Internet service from various networks is available to the students in the campus and they are provided with 2 GB data.

E-Services

ERP is effectively used as a Learning Management System by the faculty and the students for learning process. Attendance is properly maintained in ERP. For all the faculty members and the students, a unique mail id is created in college domain. The college web site provides all the essential information for the stakeholders, Updates in technology is shared by the faculty in the web site.

Google Classroom is also used for teaching learning process. SMS facility is also available to communicate important messages to all the students and the faculty. Training programmers are periodically conducted to upgrade the programming skills of students and faculty. To organize Webinars and alumni talk series in collaborative and comprehensive manner, Telecommunication Apps like Google Meet, Zoom and MS teams are utilized.

Software Tools

The desktops run on the windows 7 and windows 10 operating systems. Office automation packages like MS Office and Antivirus have been purchased by the college and updated regularly. The college provides all standard econometrics, statistical, computational and scientific typesetting packages such as Lab view, STAAD Pro, Auto CAD, Turbo-C++, Oracle/my SQL, ORCAD, EDWIN XP, MATLAB, Xilinx, TANNER, Etap, Ansys, IBM SPSS which are either open access or licensed software. College is completely equipped with surveillance cameras for effective monitoring and security purpose.

Updating the IT facilities

Based on the gradual increase in the intake of the students, the number of systems in all the laboratories is updated. As per the AICTE norms, the student to computer ratio is maintained as 2.15:1. To carry out research and project activities, highly configured systems are maintained. Based on the requirements, necessary software and hardware devices, computer systems and its peripheral devices have been purchased. To nurture the students learn the advanced technologies, the students are permitted to utilize the systems with internet facility in college central library.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

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

Response:

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

Response: 406	
File Description	Document
Upload supporting document	View Document

4.4 Maintenance of Campus Infrastructure

4.4.1 Percentage of expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the last five years (INR in Lakhs)

Response:

4.4.1.1 Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component year wise during the last five years (INR in lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
143.55	106.29	209.84	221.78	230.80

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1 Percentage of students benefited by scholarships and freeships provided by the Government and Non-Government agencies during last five years

Response:

5.1.1.1 Number of students benefited by scholarships and freeships provided by the Government and Non-Government agencies year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
675	692	779	883	973

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

5.1.2 Capacity building and skills enhancement initiatives taken by the institution include the following

1. Soft skills
2. Language and communication skills
3. Life skills (Yoga, physical fitness, health and hygiene)
4. ICT/computing skills

Response:

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

5.1.3 Percentage of students benefitted by guidance for competitive examinations and career counseling offered by the Institution during the last five years

Response:

5.1.3.1 Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
665	712	812	978	1152

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

5.1.4 The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases

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

Response:

File Description	Document
Upload supporting document	View Document

5.2 Student Progression

5.2.1 Percentage of placement of outgoing students and students progressing to higher education during the last five years

Response:

5.2.1.1 Number of outgoing students placed and / or progressed to higher education year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
165	234	206	245	285

5.2.1.2 Number of outgoing students year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
219	312	328	372	430

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

5.2.2 Percentage of students qualifying in state/national/ international level examinations during the last five years (eg: JAM/CLAT/GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations)

Response:

5.2.2.1 Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ Judicial Services/Public Prosecution services/All India Bar Exams/State government examinations) year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
0	4	2	3	4

5.2.2.2 Number of students appearing in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT,GRE/ TOFEL/ Civil Services/ State government examinations) year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
0	4	2	3	4

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

5.3 Student Participation and Activities

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

Response:

5.3.1.1 Number of awards/medals for outstanding performance in sports/cultural activities at

national/international level (award for a team event should be counted as one) year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
18	05	02	12	07

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

5.3.2 Average number of sports and cultural programs in which students of the Institution participated during last five years (organised by the institution/other institutions)

Response:

5.3.2.1 Number of sports and cultural programs in which students of the Institution participated year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
47	0	36	30	39

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

5.4 Alumni Engagement

5.4.1 There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

Response:

Alumni play a crucial role in the GRT Institute of Engineering and Technology, and the institute has maintained a positive relationship with the industry and alumni since its inception. The primary goal is to enroll all graduates as members of the association and to facilitate alumni active participation in the institute's activities, events, and projects. The primary objective of the GRTIET Alumni Association (GRTIETAA) is to connect alumni to the institution, develop synergistic plans to support the institution and help it realize its vision, and enable the institute to add value for all its stakeholders. In 2019, the

Institute established an alumni cell to maintain a strong connection between the institute and its alums. Regular alumni gatherings and frequent interaction with alumni through webinars, seminars, and guest lectures. The alumni association facilitates the formation of alumni networks and maintains contact with the business world. The alumni meet will be hosted annually by the alumni association and supported by the management. Alumni from various branches will be invited to share their thoughts and suggestions on the scope of their course, as well as to promote professional awareness. This affords the alumni the chance to meet other alumni and reflect on their past experiences and moments. The Alumni Association provides a forum for alumni to share their intellectual, career, and professional experiences not only with teachers but also with current students.

The following actions were carried out with the assistance of Alumni.

Curriculum Enrichment: Alumni are engaged in the identification of curricular gaps and the development of value-added course modules. Every month, alumni enroll in webinars on technical topics.

Interactive Sessions: The alumni association aids in organising interactive sessions to excite current students about employment and study abroad options. They express their views on social networks.

Industry connects: Alumni aid in the formation of MOUs with industries. Alumni who are entrepreneurs arrange industrial tours for students and offer advice on how to establish a business, thereby transforming them into job creators. The alumni provide assistance for student internships.

Research and consultancy: To encourage college students and association members to conduct research and consulting work in sectors such as engineering, automation, industrialization, etc. Alumni support the departments by directing entrepreneurs to conduct consulting work in several technical disciplines.

Mentorship: Alumni can play an active role in volunteer activities such as mentoring students in their respective fields of expertise. To exploit the rich experiences of former college students for the benefit of the institution. To aid students in finding suitable employment.

Placements / References: A college's alumni network is one of the most significant sources of placement opportunities for students. Alumni can assist students with company referrals and placement within their respective enterprises.

Administration: Alumni are members of the IQAC and contribute feedback to impart a quality system that is adaptable to current industry trends and needs.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1 The governance and leadership is in accordance with vision and mission of the institution and it is visible in various institutional practices such as decentralization and participation in the institutional governance

Response:

The College aims to impart quality education combined with ethical values, the two qualities that are in resemblance with the nation's development. The vision of the college is to produce high quality Engineers who prepared themselves with their academic excellence and research oriented ambience to meet the global needs.

Mission:

Our mission as an institution provides quality education through excellent teaching, learning activities, research pursuits, and the continuous assessment of the academic, co-curricular and extra-curricular activities to empower individual student to develop as self-reliant member of the global village who would support human welfare and sustainability.

The mission statement spells out the needs of the society in crystal clear terms such as technically competent and holistic development of the individual to accomplish the vision of the institution. To achieve these objectives, the teaching-learning process involves effectively imparting competitive technology with research orientation to the students through various courses classified as Basic Sciences & Humanities, Engineering sciences, Professional core, Professional electives, Open Electives, Skill development courses and project work Courses related to Human Values and Professional Ethics are offered to the students as part of curriculum to impart knowledge on human values and ethics to students which they can imbibe and cultivate in their personal and professional lives. The students are provided with skills to meet the competitive technologies through skill development programs. The board of governors has been constituted as per the norms, oversee the operations of the institute and provide guidelines for proper functioning of the institute. The Board of Governors meet at regular intervals and review the operations of the institution and provide guidance for further improvements keeping vision and mission, strategic plan and sub plans in various category in view.

Perspective Plans:

The Principal of the Institute discusses the broad contours/ components of the Perspective Plan with the Managing Committee of the Institution and it is then finalized in consultation with the Governing Body of GRT Institute of Engineering and Technology.

Participation of the teachers in the decision-making bodies:

Faculties are represented in all decision making bodies of the institute namely, Academic Council, IQAC etc. While one senior faculty has been nominated as members of Governing Council, two Professors and one Associate Professor have been nominated as members of the council. While all the HODs and some of the faculties are members of the IQAC, most of the faculties are also members of various other Committees

viz., Anti Ragging, Grievances Redressal, anti Sexual harassment committee etc. which have been constituted with specific functions and responsibilities.

While the minutes of the meetings of the IQAC are posted on the Institute Website, the minutes of the meeting of other meetings are recorded and circulated to the concerned. Faculties are also the members of the Program Assessment Committee and Department Advisory Committee.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

6.2 Strategy Development and Deployment

6.2.1 The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, deployment of institutional Strategic/ perspective/development plan etc

Response:

GRT Institute of Engineering and Technology Established in 2010 by GRT Mahalakshmi Charitable trust and offer UG and PG programs. GRTIET has a governing council constituted as per AICTE provisions. It consists of chairman, nominees of management, members representing academia, Industry, faculty and Principal of the institution. Academic council oversees policies and procedures regarding academic matters with principal, HODs and senior faculties of the college experts from premier institution, industries representative and University nominee as members. The college Academic committee meets regularly for monitoring and implementation of policies, Academic and Admissions, Placement and training and the controller of the examination report to the Principal. Functional heads for Finance, Administration, learning resource centre, computer centre, Physical education and maintenance also report to the principal. Other 15 committees includes Anti-ragging, Finance, Women empowerment etc. Administrative manual includes employee's duties, responsibilities, leave and conduct rules, recruitment process etc. A provision is available for stake holders to give their feedback/suggestions through online and suggestion boxes.

Strategic/ Perspectives plan

The institutional strategic/ perspectives plan has been clearly articulated and implemented.

The following goals of the strategic plans 2021-2025 are being implemented.

1. To establish better academic practices and procedures.
2. To be a choice for good quality students and competent faculties.
3. To produce technically competent and ethically strong.
4. To encourage Research and consultancy.
5. To develop a smart campus.
6. To improve good quality Publication.

The task involved are Comprehensive Academic ERP system which is under development, provision of more number of Wi-Fi Hotspots, increasing the scope of campus surveillance System, enhancement of energy conservation systems Enterprises Resource Planning (ERP) software is designed to manage day to day academic and administrative activities, Wi-Fi access points have been provided in the campus to strengthen the teaching learning process. Surveillance cameras have been installed in the campus for the safety of the students and faculties and for monitoring the conduct of examinations.

The strategic planning document developed served as a monitoring tool for self appraisal at various levels and also be a guiding document from Management to Staff level. Periodical reviews to assess the achievement level and taking necessary corrective action were called for. With sustained efforts; involvement, monitoring and support, the goals set in the document were achieved.

Institutional bodies

Various institutional bodies for efficient and effective functioning of the institutes are

College governing council

Students Grievance and Redressal Committee

Industry Institute Interaction Committee

Anti-Ragging Committee

SC/ST Welfare Cell

IQAC

Exam cell

Training and Placement Cell

Entrepreneurship Development Committee

Disciplinary and Welfare Committee

Alumni Interaction Committee

R&D Committee,

Women Grievances Committee

The establishment above institutional bodies is to accomplish better academic practices and procedures. It choice for good quality students and competent faculty to develop the smart campus.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

6.2.2 Implementation of e-governance in areas of operation

1. Administration
2. Finance and Accounts
3. Student Admission and Support
4. Examination

Response:

File Description	Document
Upload supporting document	View Document

6.3 Faculty Empowerment Strategies

6.3.1 The institution has effective welfare measures and Performance Appraisal System for teaching and non-teaching staff

Response:

GRTIET takes accurate care of its personnel both teaching and non-teaching. The college assures the contributions of its personnel to the improvement and development of the institution.

For Professional growth:

Financial support is provided for Registration fee, travel allowance for attending conferences and workshop given for the staff.

Incentives for publications and research projects

Faculty members are permitted to deliver the guest lecturers in other Institutions which help the faculties to explore and obtain the knowledge.

Faculties are encouraged to pursue PhD programme for carrier growth and institutional in research and development.

Welfare measures:

Casual leave / Medical leave for both teaching and non-teaching staff Maternity leave for the women staff

Management contribution to Provident fund for both teaching and non-teaching staff.

Emergency medical care, An Ambulance and first-aid is flying inside the campus with one medical officer

Performance Appraisal system:

Teaching being the primary function of the faculty, Performance appraisal is done by various methods. Information on quality of their teaching, course delivery, etc., is collected through the following mode

Results

Student's feedback in semester end

LOP

HoDs remarks on Staff performance in various areas. Work completion, team work, department contribution, punctuation and dress code and then classroom management are multiple aspects of appraisal analysis.

Non- Teaching staffs are appraised by Lab Maintenance, Department contribution, Punctuation and dress code, LOP and Team work

Feedback Evaluation:

Twice in every year, the students evaluate the teachers handling their respective subjects covering various aspects of student-teacher interaction through a computerized structured format.

The computer on-line-evaluation pertains to teaching process dimensions: punctuality and regularity of the teachers, teacher's discussion coverage of class tests, tutorial & assignments and syllabus.

Assessment of college environment, facilities and management responsiveness measured on the following dimensions: College environment, cleanliness/sanitation, Library facilities, canteen water supply, games/sports, transport, HoD's attitude towards problem resolution, principal response to grievance, support of management in general.

Absolute privacy and confidentiality is maintained so as to avoid the individual student assessor's identity. After the evaluation process is completed, if any faculty member is found to be deficient, he/she is counseled, advised and trained to improve through an advisory committee consisting of Professors and Head concerned. The institutional administration will take necessary steps to encourage and reward teachers with excellent increments or promotion.

Student's feedback in semester end:

Students are instructed to submit the feedback link in Google form on following basis: Coverage of syllabus, ability to explain the concepts in clear and simple language, creating interest through examples, audibility while giving the lecture, voice modulation and mannerisms, interaction in the class, overall class control, discipline and punctuality.

Effectiveness and follow-up action:

If any faculty member is found to be deficient, he/she is counseled, advised and trained to improve through an advisory committee consisting of Professors and Head concerned.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

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

2021-22	2020-21	2019-20	2018-19	2017-18
42	44	48	41	40

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

6.3.3 Percentage of teaching and non-teaching staff participating in Faculty development Programmes (FDP), professional development /administrative training programs during the last five years**Response:****6.3.3.1 Total number of teaching and non-teaching staff participating in Faculty development Programmes (FDP), professional development /administrative training programs during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
99	106	113	116	123

6.3.3.2 Number of non-teaching staff year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
24	24	30	30	30

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

6.4 Financial Management and Resource Mobilization

6.4.1 Institution has strategies for mobilization and optimal utilization of resources and funds from various sources (government/ nongovernment organizations) and it conducts financial audits regularly (internal and external)

Response:

The GRT Institute of Engineering and Technology was established in 2010 with the vision of providing quality technical education for students from rural backgrounds. Taking into consideration the economic status of the students and to assist them in realizing their academic dreams, our institution has decided to provide scholarships for the students who come from economically backward families.

The management made the following policy decisions as providing scholarships to deserving students who come from rural backgrounds and economically weaker sections

1. Students who scored more than 170 cut-offs in the higher secondary exam can obtain a 100% tuition fee waiver, and those who scored more than 150 cut-offs can get a 50% tuition fee waiver.
2. A two-year tuition fee waiver is provided to the school topper, who ranks in the top seven.
3. Students who scored more than 1,000 marks will be eligible for a special scholarship.
4. Special fee concessions will be provided to the sportsperson who is awarded by the state or central government.
5. Students from other states who scored more than 75% of marks will be eligible for a merit scholarship.

The proposal on budget allocation is prepared by the Head of the Institution, by considering the recommendations made by the heads of all the departments and submits to the management. The allocated budget will be examined by the accounts department whether expenses are as per the budget approved by the management. The budget of the year includes recurring expenses such as maintenance cost, electricity, internet charges, salary, stationery, other consumable charges etc., and non – recurring expenses like furniture, lab equipment purchases, and other development expenses.

Process of internal auditing

The internal auditing committee regularly reviews all of the invoices and vouchers. All of the expense records were correctly maintained by the accounts department. The institution attaches the greatest importance to the keeping of accurate accounts. When the fiscal year comes to an end, a legal audit is performed. The audit report is examined by management.

The efficient use of financial resources is planned at the start of every fiscal year. Purchase orders for laboratory equipment, instructional aides, furnishings, facilities, and payment of maintenance bills are handled by the accounts department, along with tuition fee collection, wage distribution, tax payment, and loan distribution.

Process of external auditing

According to government regulations, external auditing is usually performed on an annual basis. Following the auditor's confirmation, all transactions are properly authorized and presented to management for additional examination. Any discrepancy discovered during the audit process will be examined right away, together with any necessary supporting documentation, within the set time frames. The audited declaration on the paperwork is properly acknowledged by the management's authorities.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

6.5 Internal Quality Assurance System

6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes. It reviews teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals and records the incremental improvement in various activities

Response:

IQAC makes continuous efforts to study, analyse and improvise every strategy, activity, process and procedure in all the domains of the institution with a view to achieve, sustain and enhance quality with a view to achieve excellence.

Quality assurance strategies and processes

1. Collaborative activities

Collaboration between educational institutions, businesses and other organizations aims to find the brightest students and prepare them to become engineering professionals. This is the clearly defined relationship that will lead to better benefits for student outcomes. For young, aspiring engineers to keep up with expectations, knowledge generation and technological development require extensive training. These contributions are made possible by the Memorandum of Understandings (MoUs) that have been signed by leading and core businesses, institutions, and organizations to provide students cooperative training programmes in their field of study. Collaboration with the industry enables both parties to continue their mutually beneficial research partnerships, such as recognizing issues and coming up with solutions using the faculty's expertise and the students' knowledge in field projects or funded studies. Through new products and technologies, these research partnerships benefit society. It is recommended to work with the institute to offer extracurricular activities to the students, such as certification programmes in their chosen fields. Additionally, they are granted unique on-duty permissions for this reason. Students can also participate in internships and field projects to improve their technical expertise in the relevant sector. This boosts their chance of being hired and having their talents noticed by the main business.

2. Committee covering the whole department.

On the advice of IQAC, GRTIET has started committee activities across the board. Every student is inspired to participate in committee activities. As their contributions are expertly reinforced, this might provide the students with a singular experience in technical skills, allowing them to gain confidence in their respective disciplines. Regardless of a student's academic year, these committee activities are crucial in fostering relationships between peers. They also improve contacts between instructors and students, allowing for the acquisition of new knowledge and skills. Technical events will be held that are pertinent to their most recent technologies, encouraging enthusiasts to explore all hardware and software fields.

The Committee activity aims at

- Handling from basics to the latest development in technologies.
- To apply the ideas learnt in theory classes in the real world based on the innovative thoughts.
- To create team spirit among students and to give them leadership quality along with managerial skills.
- Enriching the intelligence as well as wisdom of the technical community.
- To cater to the various needs to keep in pace with the ever evolving technology. To work towards the motto of innovation, imagination and application.

The students are motivated to do the mini projects on basics, which bring them the required practical knowledge of their laboratory classes to expand their skills beyond the class room

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

6.5.2 Quality assurance initiatives of the institution include:

1. Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analysed and used for improvements
2. Collaborative quality initiatives with other institution(s)/ membership of international networks
3. Participation in NIRF
4. any other quality audit/accreditation recognized by state, national or international agencies such as NAAC, NBA, ISO Certification etc

Response:

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

Criterion 7 - 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 and Institutional initiatives to celebrate / organize national and international commemorative days, events and festivals during the last five years

Response:

- To promote and nurture gender equity, our institution established Women Empowerment Cell. All the students are encouraged to participate in various Technical Workshops, Seminars and Smart India Hackathon sans any gender discrimination.
- GRT Management, with the vision to ensure the progress of overall society with the active participation of women in the noble profession of imparting of knowledge and skill acquisition. Enough number of female faculty members are maintained who play key roles in major positions of various club and various invaluable activities.
- Women Empowerment Cell aims to empower girl students and faculty to enhance their understanding of issues related to women and to make the college campus a safe place for girls and women. The cell brings advancement, development and empowerment of women through Guest Lecture Programs, Seminars, Awareness Programs and other welfare activities since its formation.
- A separate woman in-house Counselor is available in the college to help the students to resolve their issues and help them to realize their academic dream in a safe and secure environment.
- Since its establishment, institution organizes National Festivals and Birth Anniversaries of great Indian Personalities. The college celebrates these events with great enthusiasm to commemorate the ideology of nationalism and to pay tribute to our great National Leaders.
- Gandhi Jayanthi is celebrated every year on 2nd October to help the students follow the ideology of our great leader Mahatma Gandhi.
- The college celebrates International Yoga day on 21st of June every year by conducting a camp or workshop on how Yoga embodies unity of mind and body. Keeping its Indian values intact, the college imparts right kind of education based on moral values and ethics which make our students responsible global citizens.
- 15th August Independence day is celebrated every year with the infusion of patriotism among the students. The air is filled with patriotic feelings that emit from various songs aired on the campus radio. The programme consists of patriotic songs sung by students and speeches eulogizing the great sacrifices made by our freedom fighters.
- 15th September Engineers day is celebrated on the occasion of Birth Anniversary of Sir Visvesvaraya. This day on 15th September is celebrated consistently as an exceptional tribute to the best Indian Engineer, Bharat Ratna Mokshagundam Visvesvaraya.
- National Science Day is celebrated on 28th February every year to mark the discovery of the Raman Effect. The College regularly observes National Science Day by conducting Science Exhibitions, Seminars, Quiz competitions etc. associating to the theme of National Science Day of every year.
- National Mathematics Day is celebrated on 22nd December to honor Dr. Srinivasa Ramanujan for his contribution to Mathematics. The day is observed by conducting Seminars, talks by eminent personalities in the field of Mathematics and exhibitions.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

7.1.2 The Institution has facilities and initiatives for

1. Alternate sources of energy and energy conservation measures
2. Management of the various types of degradable and nondegradable waste
3. Water conservation
4. Green campus initiatives
5. Disabled-friendly, barrier free environment

Response:

File Description	Document
Upload supporting document	View Document

7.1.3 Quality audits on environment and energy regularly undertaken by the Institution. The institutional environment and energy initiatives are confirmed through the following

1. Green audit / Environment audit
2. Energy audit
3. Clean and green campus initiatives
4. Beyond the campus environmental promotion activities

Response:

File Description	Document
Upload supporting document	View Document

7.1.4 Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic diversity and Sensitization of students and employees to the constitutional obligations: values, rights, duties and responsibilities of citizens (Within 500 words)

Response:

India is blessed with the people who are endowed with the kind heart to be the perfect symbol of tolerance and flexibility. As diverse people reside in India as a single abode sans discriminations guiding the universe how to live and let live other fellow human beings as well other living organisms. It is a well-known fact that the students understand and assimilates the essence of events and functions of different kinds after their significance is enunciated through college programs. Celebrating events and festivals in our college becomes a vital part of learning and building a strong cultural belief. These celebrations bring the students closer to each other's traditions and cultural beliefs and develop respect and understanding for

each other's customs and traditions. There are three types of celebrations, namely seasonal, national and religious.

The objectives of celebrating these festivals are:

- National festivals will create a unifying bond and infuses the patriotic spirits among the students helping them grow and mature into the better citizens.
- Celebrating a seasonal festival changes student's attitude towards sense and sensibilities of each and every one in spite of differences.
- Religious festivals preach the students about the values and ethics to be adhered to in order to live peacefully.
- International festivals will help the students realize the practice of brotherhood among all kinds of people from the different parts of the world which will ensure the world free of conflicts, enmity and wars.
- In order to attain the above-mentioned objectives, GRT Institute of Engineering and Technology provides an inclusive environment for everyone with tolerance and harmony towards cultural, regional, linguistic, communal socio-economic and other diversities. Different sports and cultural activities organized inside the college promote harmony towards each other. India is a diverse country where people belonging to various cultural backgrounds reside. Therefore, all through the year, our college witnesses a variety of festivals and occasions. Few celebrations are:
- Gandhi Jayanthi Celebration: This day is celebrated as the "International Day of Nonviolence" in worldwide. The main objective of celebrating this day is to guide the whole human race to be humble and simple letting people live peacefully through the principles of nonviolence and many a leaders strived to make the world a heaven in the earth by following Gandhian Principles.
- "Matribhasha Diwas" - International Mother Language Day Celebration: Every year this day is celebrated to promote the dissemination of mother tongues and fuller awareness of linguistic and cultural traditions.
- Pongal Celebration: India is an agricultural country and the majority of the festivals are inclined towards nature. Pongal is celebrated by the people of Tamil Nadu and It is one of the biggest harvest festivals in India. It can be considered as the 'thanksgiving' festival' because this festival is celebrated to thank the Sun God.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

7.2 Best Practices

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

Response:

Best Practice I

1. Title of the Practice

Infrastructure with Clean and Green Environment

2. Objective of the Practice

- To make sure the better inculcation of knowledge with proper technical skills and also to ensure the friction-free imparting of both soft skills and also core skills for the purpose of making the engineering graduates highly competitive, innovative, creative and kind-hearted to be an invaluable asset to the society.

1. The Context:

- The objective of nurturing meticulous infrastructure of all kinds along with constant maintenance of clean and clear atmosphere is to attract the minds of the students towards improving academic credentials.
- The college envisioned to provide vibrant but serene ambiance in order for warding off pessimistic attitude among the students.
- The clean and hygienic condition of the college campus results in the reduction of the spreading of communicable health issues.
- The college is proud in up-grading the laboratory facilities time to time commensurate to the current trends practiced in the best industries.
- The institute has the strong vision in strengthening the mental as well the physical vitality of the students through proper sporting facilities and activities.
- The partial dependency of the institute on solar power generation which is installed on the roof top of the building to satisfy the energy needs of the institute.

4. Implementation:

- The institute provides the excellent infrastructure with clean and impeccable environment. All the physical constructions of the campus are being refurbished time to time and the same are being painted periodically to keep them far off from fungus, de-coloring and dust formation.
- Adequate technical staff is maintained for supporting the faculty and guiding the students during the lab sessions.
- Enough number of sweepers and cleaners are deputed on shift basis to maintain the college campus clean and neat.
- The ground facility is envisioned to be the best detoxifier of the minds of the students.
- The installation of roof-top solar power panels minimizes our reliance on green-house gas emitting power sources.
- The practice of using Green Technology for electric power generation encourages the students to adapt to renewable sources of energy in their future endeavours.

5. Evidence of Success

- It has been found that the alumni of the institute are efficient and effective in their challenging projects.
- Students' absenteeism is minimized because of the soothing and clean class room atmosphere as this is being achieved due to the peaceful ambiance of the campus.

- The nurturing of the man-managerial skills among the students through sports events and regular sports hours create an avenue for the friction-free personal life and career progress.
- By adaptation of the conservation methods, students are equipped with the knowledge of using the electric energy effectively with recent technologies.

6. Problems Encountered:

- We faced difficulties in sensitizing a very few students to dispose the waste by using dustbins.
- The institute always encounters hurdles in encouraging the female students to participate in sporting activities.

Best Practice II

1. Title of the Practice: The Eradication of Social Evils by National Service Scheme (NSS)

2. Objectives of the Practice:

- It is to sensitize the students about the importance of serving the society through their self-less service in the creation of awareness among the illiterate and poor people.
- It is to educate the public through students' active involvement in spreading awareness among general public about social issues.
- It is to help the students in finding out practical solutions to individual and community problems.

3. The Context

- The NSS Unit of the College under the effective leadership of the NSS Program Officer is actively engaged in a variety of activities throughout the academic year.
- The NSS unit starts its activities in the beginning of the academic session with the full support of our NSS volunteers under the leadership of program officer.
- NSS Volunteers learn how to work with rural community people, generating awareness about blood donation, hygiene and prevention of various diseases.

4. The Practice

- They also held a rally in the nearby locality holding placards with slogans written on them to create awareness about health and sanitation.
- The NSS volunteers planted saplings in the campus for creating a green eco system in the college as well for creating awareness among the students.
- Plastic Awareness Campaign was held to sensitize the public through placards and chorus messages of NSS volunteers to be mindful of the dangers of plastic especially single use plastic bags.
- Awareness Program about gender equality was held in Balapuram Higher Secondary School for making the students to be aware of the benefits to the society through fair treatment of girls in order to make our society strong and vibrant.
- Many such Awareness Programs were also conducted on such essential social issues for striving to make our society happier and healthier one.

5. Evidence of Success

- The organizational skill among the students appeared to be enhanced while coordinating with village authorities and conducting special camps in the surrounding villages.
- This Scheme helps the students to gain the strength to handle emergency or challenging situations with calmness.
- It develops a sense of responsibility and identifying problems faced by society.
- The NSS is part of our academic, social and personal life as it is the third dimension of education.
- The students joining this scheme develop many behavioral interactive skills.
- Development of social and civic responsibility in the volunteers.
- Volunteers acquire leadership qualities and democratic attitudes.
- Development of competence in volunteers which is required for group activities and sharing of responsibilities.

6. Problems Encountered

- Due to the superstitious beliefs prevalent among illiterate and also educated, we faced difficulty in reaching out to many people because of the well-entrenched social practices.
- At the same time, NSS volunteers are unable to reach all the targeted audiences.

File Description	Document
Best practices as hosted on the Institutional website	View Document
Any other relevant information	View Document

7.3 Institutional Distinctiveness

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

Response:

GRT Institute of Engineering and Technology located in the 24.25 acre campus with the built up area of more than 41519.06 sq. feet. GRTIET is a vibrant technical institute of higher education with world class infrastructure and up-to-date teaching facilities, affiliated to Anna University, Chennai, approved by AICTE, New Delhi and accredited by the National Board of Accreditation (NBA-ECE). GRTIET provides innumerable support and creates ample opportunities to help the students develop the requisite skills and expertise to make them employable graduates.

The prime motive of the institution is to mould and empower the students in their pursuit of knowledge and also to be socially responsible citizens and the Institute is destined to help them achieve excellence in various fields besides nourishing their competency in multiple domains in order to face global challenges through a lot of value added courses and skill development programs. Our institution has constant stimulating factor for the students in their dream of becoming a competent employee and asset to

the employer and also to be a successful Entrepreneur.

The institute established its distinctive approach towards this comprehensive Vision by the means of certificate courses or by allowing the students to organize events to develop their skills, multi-disciplinary project development, Entrepreneurship development, Ethical and Human value development.

All the students are constantly motivated to undergo In-plant training/Internship in the esteemed industries and reputed research organizations during semester vacation.

The progress and development of the institution is keenly monitored by the team of academic experts and also valuable inputs are being generated through feedbacks from stake-holders concerned for improving the academic credentials of the college consistently. Our college instituted a more interactive Mentoring system where every eight mentee students are being guided, counseled and motivated by a faculty who is specifically assigned the task mentioned above and the faculty concerned is duty-bound to address their grievances and issues related to their academic matters as well the matters concerning the students' personal lives. The faculty member looks into the issues in order to sort out the issues amicably and also the students are motivated to follow the right path without any deviation.

Soft Skill training

Soft skill training sessions are being held periodically for helping the students to be effective and successful in their interpersonal communications, personality traits, personal attributes, etc. which are significant professionally and socially. The cluster of soft-skills assists the students to be an important cog on the wheels of the workplace. Soft skills play a significant role in the success and growth of the individual. It is vital for the students to be capable of communicating well with others as every profession needs interaction with the colleagues, superiors, clients and others. Students with good soft skills are also very adaptable to the new role and the environment irrespective of the field or industry. Soft skill training helps them to improve their personal attributes along with communication abilities.

Career guidance programs

It is a comprehensive development program specially designed to assist students in building and implementing informed educational and occupational preferences. A career guidance program develops students' competencies in all the domains of knowledge, educational and occupational exploration and career planning. The institution also organized training programs to motivate the students to participate in various competitive examinations and to create awareness about the various competitive exams available for them. It helps them to get updated and prepare the students to face the challenges of the competitive exams.

Gender Neutral Ambiance in GRTIET

GRTIET creates awareness among girls and women on the importance of women empowerment through the programs periodically conducted by Women Grievance Cell (WGC). Through the activities of WGC, efforts are being made to navigate the women folk of rural areas in attaining major objectives of upliftment through creating awareness on various viable economic opportunities. All the events which were Organized through women grievance cell resulted in the empowerment of the women's community with the nourishment of the employability skills and knowledge.

For the well-being of female students, institute outlined a cell called Women's Grievance Cell (WGC), through this cell, institute is addressing various women-based issues and biases and also recurring issues like safety, Entrepreneurial progress as glass-ceiling restricts women's progress, medical issues etc., Institute invited an assortment of successful women Entrepreneurs to act as a chief guest during women's Day to encourage the fairer sex to set higher standards to be achieved.

The outstanding education system offers financial assistance to the financially feeble girl students reflecting in their healthy academic performances and non-academic performance. The Institute produced Fourteen female Anna University Rank Holders from 2015-2021.

GRTIET students club

The clubs instituted in GRTIET allows the students to share their opinions and ideas with students from different departments and years. By engaging in club activities, their inter-personal skills are being honed.

Club activities like "Go Green" Activity through sapling plantation, Blood Donations, Visiting Hospitals, Free health awareness camp cum health checkup and visiting nearby villages and helping them according to their requirements, have been organized.

GRTIET Scholarship Scheme

GRTIET management provides scholarship for the students who excel in class XII results and also the Institute provides scholarship for the students who are economically backward along with the students without their parental support.

Placement and Training

The training and placement cell guides the students to develop their ability to articulate and apply their skills and domain knowledge to the betterment of the organization and their personal growth which results in the better package for our students. Training module is designed to fulfill ever evolving industry expectations.

Sports

GRTIET prides itself in providing state-of-the-art ground facilities with enough relevant facilities for quenching the thirst of sports interest among the students. The students bring in laurels to them and also to the Institute through their State, National level sports events.

File Description	Document
Appropriate web in the Institutional website	View Document
Any other relevant information	View Document

5. CONCLUSION

Additional Information :

- The institution has participating in NIRF every year.
- The institution has own Institution Innovation cell (IIC).
- The credit Weightage for Open Elective courses has been revised as 2 and 3 to encourage interdisciplinary participation.
- Department of Electronics and Communication Engineering Accredited by NBA (National Board of Accreditation).
- The Institution having a valid ISO 9001-2015 certificate (TUV-SUD)
- Every year our MBA department students receiving University ranks.
- Every year 75% of students placed on various reputed core and software companies
- Promotion of research projects from Government and Non-Government organizations..

Concluding Remarks :

Nurtured by the renowned by GRT Mahalakshmi Educational Charitable Trust, GRTIET is committed to excellence in academics, research and governance with its greatest strength in the cadre of men and women devoted to excellence in every process and undertaking. Education plays an important role in the evolution of an individual's mind and country. Ignorance and poverty are major glitches in developing countries like India. It can be overcome easily through education. This is a place to experience an education and environment that set the learners on the right path to a professionally rewarding and personally fulfilling future. The college set sights on thinning the ignorance by imparting knowledge and fostering the spirit of research in the field of engineering. This institution provides quality technical education that lay emphasis not only on knowledge, technology, information and communication but also aspires to empower the youth morally and ethically to serve society selflessly..

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification																				
1.2.1	<p>Number of Add on /Certificate/Value added programs offered during the last five years</p> <p>Answer before DVV Verification : 65 Answer After DVV Verification :63</p>																				
3.3.1	<p><i>Number of research papers published per teacher in the Journals notified on UGC care list during the last five years</i></p> <p>3.3.1.1. Number of research papers in the Journals notified on UGC CARE list year wise during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>39</td> <td>51</td> <td>6</td> <td>28</td> <td>10</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>44</td> <td>12</td> <td>25</td> <td>13</td> <td>2</td> </tr> </tbody> </table> <p>Remark : as per the documents</p>	2021-22	2020-21	2019-20	2018-19	2017-18	39	51	6	28	10	2021-22	2020-21	2019-20	2018-19	2017-18	44	12	25	13	2
2021-22	2020-21	2019-20	2018-19	2017-18																	
39	51	6	28	10																	
2021-22	2020-21	2019-20	2018-19	2017-18																	
44	12	25	13	2																	
3.3.2	<p>Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years</p> <p>3.3.2.1. Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>14</td> <td>2</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>14</td> <td>2</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>	2021-22	2020-21	2019-20	2018-19	2017-18	14	2	0	0	0	2021-22	2020-21	2019-20	2018-19	2017-18	14	2	0	0	0
2021-22	2020-21	2019-20	2018-19	2017-18																	
14	2	0	0	0																	
2021-22	2020-21	2019-20	2018-19	2017-18																	
14	2	0	0	0																	
6.2.2	<p>Implementation of e-governance in areas of operation</p> <ol style="list-style-type: none"> 1. Administration 2. Finance and Accounts 3. Student Admission and Support 4. Examination 																				

Answer before DVV Verification : A. All of the above
 Answer After DVV Verification: B. Any 3 of the above
 Remark : as per the documents

6.3.3 Percentage of teaching and non-teaching staff participating in Faculty development Programmes (FDP), professional development /administrative training programs during the last five years

6.3.3.1. Total number of teaching and non-teaching staff participating in Faculty development Programmes (FDP), professional development /administrative training programs during the last five years

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
99	106	113	116	123

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
99	106	113	116	123

6.3.3.2. Number of non-teaching staff year wise during the last five years

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
24	24	30	30	30

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
24	24	30	30	30

7.1.3 Quality audits on environment and energy regularly undertaken by the Institution. The institutional environment and energy initiatives are confirmed through the following

1. **Green audit / Environment audit**
2. **Energy audit**
3. **Clean and green campus initiatives**
4. **Beyond the campus environmental promotion activities**

Answer before DVV Verification : A. All of the above
 Answer After DVV Verification: B. Any 3 of the above
 Remark : as per the documents

2.Extended Profile Deviations

ID	Extended Questions
1.2	Number of teaching staff / full time teachers year wise during the last five years

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
87	96	110	108	135

Answer After DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
87	96	110	108	135

2.1 **Expenditure excluding salary component year wise during the last five years (INR in lakhs)**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
471.95	391.14	559.45	583.84	633.85

Answer After DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
148.09	116.73	931.18	235.1	238.88