



SELF STUDY REPORT

FOR

2nd CYCLE OF ACCREDITATION

GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING AND TECHNOLOGY

**GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING AND TECHNOLOGY,
BACHUPALLY, KUKATPALLY, HYDERABAD**

500090

www.griet.ac.in

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Gokaraju Rangaraju Institute of Engineering and Technology, founded and promoted by Dr.Gokaraju Gangaraju, Chairman of Laila Group of Industries, coming under the Gokaraju Rangaraju Education Society is a premier educational institution imparting technical education which caters to the industrial and societal needs of Andhra Pradesh / Telangana through quality technical education fulfilling the manpower requirements of the twin states. Graduates who emerge from the portals of GRIET effectively tackle the challenges of Liberalization, Globalization and Privatization. The institution works in tandem with the policies and programmes of State and Central Governments and address the needs of the State and the nation effectively in a committed manner through the six UG and five PG programmes in various branches of Engineering and Technology. Started in the year 1997, GRIET has blossomed into quality institution with the student strength of 5443 and a faculty strength of 324. The institution has been granted autonomous status by Jawaharlal Nehru Technological University, Hyderabad in the year 2011 on the basis of its performance. UGC granted 2(f) 12 (B) status in the year 2012. In 2013, college was accredited with 'A' Grade by NAAC. The institution has been accorded autonomous status by UGC in the year 2014-15. The college has the honour of being selected for TEQIP-II grant of Rs.400 lakhs by MHRD. The institute received DST-FIST grant of one crore. The institution enjoys permanent affiliation with JNTU, Hyderabad.

Vision

“To be amongst the best of the institutions for engineering and technologists with attitudes, skills and knowledge and to become an epicenter of creative solutions.”

Mission

“To achieve and impart quality education with an emphasis on practical skills and social relevance.”

Quality Policy

“To provide a conducive learning environment to the students so that they can grow to their full potential and meet the high expectations of industry and society”.

Strategies:

In order to translate our vision into action and to accomplish our mission, we strive to

- Provide state-of art infrastructure.
- Recruit, motivate and develop high caliber multi-specialty faculty.
- Continuously review, innovate and experiment teaching methodologies and learning resources.

- Focus on research, training and consultancy through an integrated institute –industry symbiosis.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- Proactive management with visionary zeal.
- Full complement of faculty with qualifications and experience meeting or exceeding AICTE norms.
- Consistent academic record of 85 to 90% passes, with 65 to 70% securing First Class
- Six University First ranks secured by students during 2008, 2009 and 2010,2012, 2014 Degree examinations
- Strong bonding of faculty with Institute due to congenial working conditions (<12% annual attrition rate).
- Emphasis on active,participatory and experiential learning methodologies. Active learning methodologies considerably exceeding the norms of affiliating university
- Continuous Internal Academic Auditing for quality assurance
- Focus is on in-house projects with a dictum “every project should become a product or lead to a patent”
- Creditable record of GRIET faculty having 14 Patents, over 420 research publications in peer reviewed journals and 546 Conference Proceedings, and Research Project/Seminar Grants/ Staff Development programs from AICTE, DST, DRDO,BRNS etc worth over Rs.533 Lakhs
- Consultancy earnings over the last few years amount to over Rs. 174 lakhs
- On-going collaboration with its UGC Academic Staff College to run special Courses
- Obtained many awards “Best Engineering College in Andhra Pradesh” in 2009 and “Best Principal” given by ISTE (2009 and 2014) and “ Best Teacher Award”, “Best Student” by ISTE (2014),Best student project Award(National ISTE Award) in 2017.
- GRIET college administrative portal (GCAP), college webpage and e-magazine are created and maintained by staff and Students.

Institutional Weakness

- A few of the Master’s degree students are unable to complete their studies due to opting of full time jobs.
- Need to improve placements on core companies for departments like ME,EEE and Civil Engineering.
- Availability of on-line learning resources to students is an area that needs improvement.
- Lack of State Government support,a delay in release of scholarship amount.
- Lack of allotment of fulltime research scholars despite of having research centre approved by affiliating University.

Institutional Opportunity

- Rapidly increasing societal awareness of the need for quality technical education
- Growing global demand for engineering graduates of higher caliber
- Increased attractiveness of teaching as a profession due to recent pay structure revisions conducive to induction of more quality faculty
- Availability of a large number of new on-line and self learning resources (such as NPTEL’s web-based

courses and video lectures)

- Mentor other neighbouring institutions through AICTE Margadarshan Scheme.
- New imperatives to rise to world standards in an era of globalization and WTO agreements.
- Growing awareness in the Industry to outsource R&D work to academic institutions
- Possibility of networking among academia, R&D institutions and local industry to form R&D clusters.
- Increased access to financial inputs from Governmental sources like MHRD's TEQIP
- Initiative taken by the UGC, echoed by some State Governments and affiliating Universities, to grant academic autonomy to deserving institutions
- Growing interest among International Organisations to develop academic collaboration with institutions in India (e.g., UKIERI, DAAD, CEFIPRA, Fulbright Foundation and EdCil).

Institutional Challenge

- Fluctuating motivational levels of students linked to volatile job situation for engineers, which intern is influenced by vagaries of world economy.
- Unfavorable supply-demand situation of qualified and quality faculty leading to unhealthy competition among colleges for the limited number of faculty available.
- Unequal playing field vis-à-vis public-funded institutions and foreign universities in India.
- Prevailing societal view that engineering education is merely a gateway to lucrative employment
- Emphasis by most stakeholders on performance in examinations rather than true learning and overall development of personality.
- Reluctance of engineering graduates to join PG courses in engineering due to perceived lack of significant benefit in employment for PG degree holders other than in the academia
- Dependence on parent University for introducing needed academic reforms in the absence of autonomy
- Mushroom growth of substandard technical education institutions leading to over- regulation by statutory bodies indiscriminately applied to even well-established institutions with a good track record.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

- GRIET with autonomous status bestowed on it, has developed curricula which addresses the developmental needs of the region / nation in an effective manner.
- All the academic programmes have direct relevance to the industrial needs of the region.
- The institution adopts outcome based education and OBE elements such as, PEO, PO, PSO and CO are carefully coined, validated through national / international experts, employers and other stakeholders.
- Need-based curricular revision has been effected across all programmes and 32.38% of new courses are introduced during the period under assessment.
- The CBCS is followed in letter and spirit and the students have the liberty to choose courses across the disciplines.
- 98 Value added courses are conducted involving 22000 students during the last five years.
- In order to promote the holistic growth of the students, courses on value education, environment, soft skills, gender sensitization, etc. are taught. The hallmark of the academic programmes of GRIET is that all programmes are embedded with courses which deal with cross cutting issues, imparting transferable life skills.
- As many as 83% of the students are given the field exposure through internship programme.

- Curricular revision is mainly undertaken to address the needs and aspirations of the stakeholders whose feedback are collected, systematically analysed with appropriate action taken on them.

Teaching-learning and Evaluation

- Institution follows the rules and regulations of Telegana State Government and admits students based on reservation policy stipulated by the Government.
- The college has 324 full-time teachers with the student-teacher ratio of 1:20 for UG and 1:12 for PG programmes.
- 124 Students and 153 faculty have certified in 73 NPTEL courses.
- 341 faculty have been certified in "Foundation Program in ICT for Education" and 250 faculty have been certified in "Pedagogy for Online and Blended Teaching-Learning Process" conducted by IIT Bombay under NMEICT.
- 100 faculty have undergone training on "Digital Learning through Web and Cloud Apps" which emphasised on slidetalk,Googlesuit,Plickers,Blogs creation and Webresources.
- The college takes intense efforts to address differential needs of the students. Special care and remedial programmes are arranged for the slow-learners while the advanced learners are given ample opportunities to excel through Advanced Academic Centre.
- Student-centric methods like active learning, cooperative learning, flipped classrooms, game-based learning, project-based learning, experiential learning, role play, problem solving, etc. are practiced by the faculty members.
- College has an established mentor – mentee system to cater to the needs of the students through counseling and other means.
- Learning management system like GRIET Moodle are effectively implemented.
- The academic calendar formulated in the beginning of the academic year is followed by the faculty members without any deviation, the monitoring being done effectively by Heads and Deans.
- Of the 324 faculty members, 74 have Ph.D qualification with an average experience of 11 years.
- 324 teachers use ICT tools effectively for teaching purposes.
- The college has continuous formative assessment and summative examination systems.
- The examination section is fully automated and effective reforms are undertaken to increase the objectivity, reduce the examination days and to enhance the transparency.
- Results are declared within 11 days from the date of completion of the last examination.
- The students are given option to appeal against the result.
- The POs, PSOs and COs are displayed in the notice boards put on the college website and students are well aware of them.
- Attainment calculation of the OBE elements is carried out systematically and corrective steps are initiated wherever it is required.

Research, Innovations and Extension

- The college has an approved policy of research consultancy and IPR.
- The faculty members are encouraged to undertake research by providing in-house research grants and seed money to the tune of Rs.200 lakhs.
- Rs.533 lakhs has been mobilized through governmental and non-governmental sources for research projects.
- Thirteen research centres are established in the institution with 21 faculty members serving as research

guides.

- The college has set up a Technology Innovation Cell which has won 14 prizes in hackathons.
- The college also has set up a conducive ecosystem through Entrepreneurship Development Cell with 20 start-ups. Eight innovative projects have been completed under incubation centres with the support of MSME.
- As many as 53 programmes have been conducted on IPR and industry academia innovative practices during the last five years alone.
- In all, 168 awards have been bagged for innovation.
- The college has clearly spelt out its policy on plagiarism.
- Fourteen patents, 420 journal publications, 546 book chapters have emerged out of this institution in the last 5 years.
- A total of Rs.174.3 lakhs has been generated through consultancy while nearly Rs.33.06 lakhs has been generated through corporate trainings.
- College maintains excellent rapport with the environs through the extension activities.
- Pragnya 90.4 F.M community radio service caters to the needs of the neighbourhood community.
- Through NSS, green campus wing and departments 225 outreach programmes have been conducted involving all students focusing on Swachh Bharath, gender issues, AIDS awareness, etc.
- The college has excellent collaborative activities and effective linkages with industries for internship, field trip, on-job training research.
- 42 functional MOUs ensure quality participation through partnership in the enhancement of academic standards of the college.

Infrastructure and Learning Resources

- The college encompasses sprawling campus of over 24 acres which houses aesthetically designed buildings open-air auditorium and playgrounds.
- There are 75 well ventilated furnished classrooms and 11 seminar halls.
- The college has 104 laboratories equipped with state of the art facilities suiting to the requirements of teaching and research.
- Besides, there are 23 tutorial rooms and 3 drawing halls. The classrooms and seminar halls are equipped with ICT facilities and public address system.
- Well established sports facilities are available inside the campus. Four acres of land is provided for indoor as well as outdoor games / sports. More than Rs.100 lakhs spent for sports facilities.
- Nearly, 36% of the total budget is allocated for infrastructure augmentation.
- The college has a well equipped library with a collection of 1,24,169 books which is automated with open source software KOHA 18.05.x version.
- On an average Rs 40 lakhs is spent on the purchase of books, journals and other e-resources.
- The college has WLAN / Wired Network with excellent Wi-Fi facilities with a speed of 400 Mbps. It has upgraded the IT facilities with 2058 computer systems, 96 Wi-Fi routers, 65 switches, upgraded firewall with a student-computer ratio of 2.64.
- The college has GRIET Moodle learning management system platform.
- 57% of total budget has been incurred for the maintenance of physical facilities and academic support in the last five years with a well established system for maintenance of all physical, academic and support facilities.

Student Support and Progression

- More than 50% of the students are benefited through scholarships by the Government.
- Every semester, enhancement capability of the students is done through remedial classes, personal and career counselling, career guidance for competitive examinations, soft skill development, Yoga and Meditation etc.
- Placement with highest package of Rs 41.6 lakhs per annum.
- More than 50% of the students are placed in reputed companies for employment and nearly 43% of the students go for higher education including to the universities abroad.
- During the assessment period 98 awards / medals are won by the students in sports and cultural activities at national / international level.
- The institute has an active student council with student members participating actively in academic and administrative bodies.
- The college alumni have contributed more than Rs15 lakhs during the last five years.

Governance, Leadership and Management

- The college has a well established governance system as per the guidelines of Government of India and Telengana state Government.
- Besides the Governing Body, the college has Academic Council, Academic and Administrative Committees for the growth and development of the college.
- A decentralized decision making ensures participatory governance.
- Resolutions / decisions of various bodies are properly minuted and appropriate actions are initiated.
- The institution has a strategic and perspective plan.
- e-governance is implemented to the fullest extent.
- 25% teachers are provided with financial support to attend conferences / seminars and in all 128 programmes are conducted for professional development / administrative training purposes during last five years.
- The college has a transparent system of administration with academic and financial audits conducted regularly.
- The functional IQAC of the college has taken substantial number of quality initiatives which has resulted in strengthening of the outcomes, implementation of e-learning, upgradation of facilities and overall enhancement in the academic output.

Institutional Values and Best Practices

- The college adopts inclusive approach.
- The institution has organized 33 gender equity programmes.
- Infrastructure is developed to take special care of all genders and differently abled.
- Nearly 30% of the power requirement is met through renewable energy sources.
- The college has excellent rainwater harvesting structures and adopts green practices.
- The institution has code of conduct handbook for students, faculty and the administrators.
- National festivals and days of great Indian personalities are celebrated every year.
- G-CLIP(Competency Learning Improvement Programme) to groom the students into the best professionals.
- The practice namely, Social Relevance through Self Reliance makes the institution relevant and distinct.

NAAC

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING AND TECHNOLOGY
Address	Gokaraju Rangaraju Institute of Engineering and Technology, Bachupally, Kukatpally, Hyderabad
City	Hyderabad
State	Telangana
Pin	500090
Website	www.griet.ac.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	Praveen Jugge	040-7207344440	9652313434	040-23040860	principal@griet.ac.in
Professor	Jami Sridevi	040-7207344441	9989168838	040-64506022	drjsridevi@griet.ac.in

Status of the Institution	
Institution Status	Private and 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	
Date of Establishment, Prior to the Grant of	01-01-1997

'Autonomy'	
Date of grant of 'Autonomy' to the College by UGC	05-02-2014

University to which the college is affiliated		
State	University name	Document
Telangana	Jawaharlal Nehru Technological University	View Document

Details of UGC recognition		
Under Section	Date	View Document
2f of UGC	09-11-2012	View Document
12B of UGC	09-11-2012	View Document

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	29-04-2019	12	
AICTE	View Document	29-04-2019	12	
AICTE	View Document	29-04-2019	12	
AICTE	View Document	29-04-2019	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?	Yes
If yes, name of the agency	Scientific and Industrial Research Organisation
Date of recognition	24-03-2015

Location and Area of Campus				
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	Gokaraju Rangaraju Institute of Engineering and Technology, Bachupally, Kukatpally, Hyderabad	Rural	24	46427

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	BTech,Civil Engineering	48	Intermediate and EAMCET Rank State Level Entrance Test conducted by State Council of Higher Education	English	120	99
UG	BTech,Computer Science Engineering	48	Intermediate and EAMCET Rank State Level Entrance Test conducted by State Council of Higher Education	English	360	360
UG	BTech,Electronics And Communication Engineering	48	Intermediate and EAMCET Rank State Level	English	300	300

			Entrance Test conducted by State Council of Higher Education			
UG	BTech,Electrical And Electronics Engineering	48	Intermediate and EAMCET Rank State level Entrance Test conducted by State Council of Higher Education	English	120	107
UG	BTech,Information Technology	48	Intermediate and EAMCET Rank State Level Entrance Test conducted by State Council of Higher Education	English	180	180
UG	BTech,Mechanical Engineering	48	Intermediate and EAMCET Rank State Level Entrance test conducted by State Council of Higher Education	English	120	93
PG	Mtech,Civil Engineering	24	AMIETE or B.Tech or B.E and	English	30	26

			GATE or PGCET rank allotted			
PG	Mtech,Computer Science Engineering	24	AMIETE or B.Tech or B.E and GATE or PGCET rank allotted	English	18	15
PG	Mtech,Electronics And Communication Engineering	24	AMIETE or B.Tech or B.E and GATE or PGCET rank allotted	English	18	11
PG	Mtech,Electrical And Electronics Engineering	24	AMIETE or B.Tech or B.E and GATE or PGCET rank allotted	English	18	14
PG	Mtech,Mechanical Engineering	24	AMIETE or B.Tech or B.E and GATE or PGCET rank allotted	English	18	13

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	0				0				0			
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit	0				0				0			
Sanctioned by the Management/Society or Other Authorized Bodies	64				48				203			
Recruited	43	21	0	64	32	16	0	48	82	121	0	203
Yet to Recruit	0				0				0			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				213
Recruited	123	90	0	213
Yet to Recruit				0

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				86
Recruited	60	26	0	86
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.	0	0	0	0	0	0	0	0	0	0
Ph.D.	42	21	0	12	12	0	0	0	0	87
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	1	0	0	20	4	0	82	121	0	228

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	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

Part Time Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	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

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	708	29	0	0	737
	Female	390	12	0	0	402
	Others	0	0	0	0	0
PG	Male	40	7	0	0	47
	Female	25	7	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

Programme		Year 1	Year 2	Year 3	Year 4
SC	Male	80	98	89	86
	Female	65	59	50	51
	Others	0	0	0	0
ST	Male	39	33	39	27
	Female	15	21	15	17
	Others	0	0	0	0
OBC	Male	353	346	309	285
	Female	183	174	147	169
	Others	0	0	0	0
General	Male	358	410	412	374
	Female	208	199	172	193
	Others	0	0	0	0
Others	Male	33	36	28	32
	Female	13	10	12	8
	Others	0	0	0	0
Total		1347	1386	1273	1242

2.3 EVALUATIVE REPORT OF THE DEPARTMENTS

Department Name	Upload Report
Civil Engineering	View Document
Civil Engineering	View Document
Computer Science Engineering	View Document
Computer Science Engineering	View Document
Electrical And Electronics Engineering	View Document
Electrical And Electronics Engineering	View Document
Electronics And Communication Engineering	View Document
Electronics And Communication Engineering	View Document
Information Technology	View Document
Information Technology	View Document
Mechanical Engineering	View Document
Mechanical Engineering	View Document

3. Extended Profile

3.1 Program

Number of programs offered year-wise for last five years

2018-19	2017-18	2016-17	2015-16	2014-15
15	15	15	16	19
File Description			Document	
Institutional Data in Prescribed Format			View Document	

3.2 Students

Number of students year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
5443	5181	5063	4965	4868
File Description			Document	
Institutional Data in Prescribed Format			View Document	

Number of outgoing / final year students year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
1298	1365	1454	1295	1257
File Description			Document	
Institutional Data in Prescribed Format			View Document	

Number of students appeared in the examination conducted by the Institution, year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
5393	5134	4969	4847	4759
File Description			Document	
Institutional Data in Prescribed Format			View Document	

Number of revaluation applications year-wise during the last 5 years

2018-19	2017-18	2016-17	2015-16	2014-15
536	532	527	331	524

3.3 Teachers**Number of courses in all programs year-wise during the last five years**

2018-19	2017-18	2016-17	2015-16	2014-15
553	608	654	729	761

File Description	Document
Institutional Data in Prescribed Format	View Document

Number of full time teachers year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
324	382	376	358	321

File Description	Document
Institutional Data in Prescribed Format	View Document

Number of sanctioned posts year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
324	382	376	358	321

File Description	Document
Institutional Data in Prescribed Format	View Document

3.4 Institution**Number of eligible applications received for admissions to all the programs year-wise during the last five years**

2018-19	2017-18	2016-17	2015-16	2014-15
13431	13170	15308	15040	19039

File Description	Document
Institutional Data in Prescribed Format	View Document

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

2018-19	2017-18	2016-17	2015-16	2014-15
843	843	762	734	750

File Description	Document
Institutional Data in Prescribed Format	View Document

Total number of classrooms and seminar halls

Response: 86

Total number of computers in the campus for academic purpose

Response: 2058

Total Expenditure excluding salary year-wise during the last five years (INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
2678.4	1856.4	2197.8	1870.5	1662.4

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curriculum Design and Development

1.1.1 Curricula developed /adopted have relevance to the local/ national / regional/global developmental needs with learning objectives including program outcomes, program specific outcomes and course outcomes of all the program offered by the Institution

Response:

GRIET, with the autonomous status bestowed on it, constantly endeavors to update the existing curricula so as to address the challenges of liberalization, globalization and privatization being faced by the industry and the society under the changed global scenario. The institution has adopted rightly the outcome based education and has designed various OBE elements such as, PEO, PO, PSO and COs for the various academic programmes and courses offered, in consonance with the needs and aspirations of the state and the nation. The guidelines of AICTE and affiliating universities are always followed in the curricular development process.

Apart from providing adequate engineering knowledge, the curricula designed contributes for the development of desirable attributes, professional ethics and relevant technical and non-technical skills with the aim of honing higher order thinking skills in the minds of students. A well structured system exists in the college for the introduction / revision of the curriculum. In order to meet the demands of the industry, certification courses like Oracle certified Java programme, Oracle certified associate, CISCO certified network associate, AutoCAD, Pro-E, Certified LabVIEW associate developer and IBM big data analysis certification courses are offered. Partnering with industrial giants like IBM Business Analytics Lab and NI LabVIEW Academy have been established inside the college.

Board of Studies and Academic Council have domain experts serving as members and hence syllabi of all programmes are framed taking into consideration the suggestions of the stakeholders and the needs of the industry. Specific feedback are obtained from the alumni and students, so as to address their concerns. Revision is carried out once in three years. However, need based revision is carried out every year based on the requirements.

The institution provides academic flexibility so that the interest of the students are not sacrificed. Thus, the college effectively uses the autonomous status and has come out with unique courses which have direct linkage with the initiatives of Government of India and the State Government.

Courses that are developed / adopted relevant to the National, Regional and Global developmental needs and having linkage with government of India's Initiatives are uploaded in additional information with detailed justification.

For example, some of the courses are mentioned below.

S. No	Courses in Curriculum	Linkage with Government of India's Initiatives	Justification
1	Environmental Science	National River Conservation Plan, Haritha Haram by State Government	River Conservation plan is extended rivers of the country. This course de and water pollution.
2	Green Building Technology	National Green Building Program	This program is a platform for creati and using processes that are enviro responsible and resource efficient th building life cycle.
3	Non renewable energy Sources	National Solar Mission	Other than Solar and Wind, tidal en studied.
4	Ground Water Development and Management	National Groundwater Management Improvement Programme	This program control the measures water depletion.
5	Electric and Hybrid Vehicles	FAME-India	FAME India Scheme is extended budget for Electric and Hybrid V

File Description	Document
Any additional information	View Document

1.1.2 Percentage of programs where syllabus revision was carried out during the last five years

Response: 100

1.1.2.1 How many programs were revised out of total number of programs offered during the last five years

Response: 19

1.1.2.2 Number of all programs offered by the institution during the last five years

Response: 19

File Description	Document
Minutes of relevant Academic Council/BOS meeting	View Document
Details of program syllabus revision in last 5 years	View Document
Any additional information	View Document

1.1.3 Average percentage of courses having focus on Employability/ Entrepreneurship/ Skill development during the last five years

Response: 81

1.1.3.1 Number of courses having focus on employability/ entrepreneurship/ skill development year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
547	418	512	512	676

File Description	Document
Program/ Curriculum/ Syllabus of the courses	View Document
MoU's with relevant organizations for these courses, if any	View Document
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View Document
Average percentage of courses having focus on employability/ entrepreneurship	View Document
Any additional information	View Document

1.2 Academic Flexibility

1.2.1 Percentage of new Courses introduced out of the total number of courses across all Programs offered during last five years

Response: 32.95

1.2.1.1 How many new courses are introduced within the last five years

Response: 1089

1.2.1.2 Number of courses offered by the institution across all programs during the last five years

Response: 3305

File Description	Document
Minutes of relevant Academic Council/BOS meetings	View Document
Institutional data in prescribed format	View Document
Any additional information	View Document

1.2.2 Percentage of programs in which Choice Based Credit System (CBCS)/Elective course system has been implemented

Response: 100

1.2.2.1 Number of programmes in which CBCS/ Elective course system implemented.

Response: 15

File Description	Document
Minutes of relevant Academic Council/BOS meetings	View Document
Institutional data in prescribed format	View Document
Any additional information	View Document

1.3 Curriculum Enrichment

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

Response:

GRIET being an institution which aims at the holistic growth of the students, leaves no stone unturned for integrating crosscutting issues in to the curriculum. Diverse courses are offered catering to the differential needs of the students. The objective of the whole exercise is always to mould the students in to responsible practicing professionals by training to understand, appreciate and act upon the issues confronting the industry and the society. Environmental science is offered as a mandatory course for the students of all branches. Curriculum of Civil Engineering programme has such courses like Environmental Engineering, Environmental Impact Assessment, Engineering Materials for Sustainability, Green Building Technology. Courses on Gender Sensitization, Values and Ethics, Gender Culture, Stress Management by Yoga, Human Resources Development and Organizational Behaviour are offered to groom the engineering graduates in to effective citizens.

Courses that are offered to the students for the awareness and development and integrates cross cutting issues relevant to Gender, Environment and Sustainability, Human Values and Professional Ethics are uploaded in additional information.

For example, some of the courses are mentioned below.

S. No	Regulation	Relevant Issue	Course Code	Name of the Course	Course offered
1	GR18	Environment and Sustainability	GR18D5202	Industrial Safety	ALL PG Programs
2			GR18D5206	Waste to Energy	ALL PG Programs
3			GR18D5208	Disaster management	ALL PG Programs
4			GR18A2001	Environmental Science	ALL UG Programs
5			GR18A3004	Environmental Engineering	B.Tech-Civil Engineering
6			GR18A4006	Engineering Materials for Sustainability	B.Tech-Civil Engineering
7			GR18A3163	Automobile Engineering	B.Tech-Mechanical Engineering
8			GR18A4045	Un-conventional Machining Processes	B.Tech-Mechanical Engineering
9			GR18A4046	Renewable Energy Sources	B.Tech-Mechanical Engineering
10			GR18A4056	Nuclear Power Plant	B.Tech-Mechanical Engineering
11			GR18D5135	Sustainable Manufacturing	M.Tech-Design Manufacturing
12			GR18D5050	Renewable Energy Systems	M.Tech-Power Electronics
13			GR18D5053	Electric and Hybrid vehicles	M.Tech-Power Electronics
14			GR18D5067	Industrial Load Modelling and Control	M.Tech-Power Electronics
15			GR18A3077	Power System Protection	B.Tech-Electrical and Electronics Engineering
16		Gender	GR18A2002	Value Ethics and Gender Culture	ALL UG Programs
17		Human Values and Professional Ethics	GR18D5204	Cost Management of Engineering Projects	ALL PG Programs
18	GR18D5210		Value Education	ALL PG Programs	
19	GR18D5213		Stress Management by Yoga	ALL PG Programs	
20	GR18A1014		English Language and Communication Skills Lab	ALL UG Programs	
21	GR18A2003		Constitution of India	ALL UG Programs	

22		GR18A2004	Economics and Accounting for Engineers	ALL UG Programs	
23		GR18A3117	Soft Skills and Interpersonal Communication	ALL UG Programs	
24		GR18A3118	Human Resource Development and Organizational Behaviour	ALL UG Programs	
25		GR18A3119	Cyber Law and Ethics	ALL UG Programs	
26		GR18A3077	Power System Protection	B.Tech-Electrical and Electronics Engineering	
27		GR18A4017	Electrical Energy Conversation and Auditing	B.Tech-Electrical and Electronics Engineering	
28		GR18A3115	Fundamentals of Management and Entrepreneurship	B.Tech-Information Technology	
29		GR18D5110	Network Security	M.Tech-Embedded Systems	

File Description	Document
Any additional information	View Document

1.3.2 Number of value-added courses imparting transferable and life skills offered during the last five years

Response: 98

1.3.2.1 Number of value-added courses are added within the last five years

Response: 98

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

1.3.3 Average percentage of students enrolled in the courses under 1.3.2 above

Response: 90.83

1.3.3.1 Number of students enrolled in value-added courses imparting transferable and life skills offered year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
5110	4260	4743	4819	4251

File Description	Document
Any additional information	View Document

1.3.4 Percentage of students undertaking field projects / internships	
Response: 83.28	
1.3.4.1 Number of students undertaking field projects or internships	
Response: 4533	
File Description	Document
List of programs and number of students undertaking field projects / internships	View Document

1.4 Feedback System

1.4.1 Structured feedback received from 1) Students, 2) Teachers, 3) Employers, 4) Alumni 5) Parents for design and review of syllabus Semester wise /year-wise	
A. Any 4 of above	
B. Any 3 of above	
C. Any 2 of above	
D. Any 1 of above	
Response: A. Any 4 of above	
File Description	Document
Any additional information	View Document
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View Document
URL for stakeholder feedback report	View Document

1.4.2 Feedback processes of the institution may be classified as follows:

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

B. Feedback collected, analysed and action has been taken

C. Feedback collected and analysed

D. Feedback collected

Response: A. Feedback collected, analysed and action taken and feedback available on website

File Description	Document
Any additional information	View Document
URL for feedback report	View Document

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Average percentage of students from other States and Countries during the last five years

Response: 2.52

2.1.1.1 Number of students from other states and countries year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
235	175	132	73	40

File Description	Document
List of students (other states and countries)	View Document
Institutional data in prescribed format	View Document
Any additional information	View Document

2.1.2 Demand Ratio(Average of last five years)

Response: 9.38

2.1.2.1 Number of seats available year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
1686	1674	1518	1512	1722

File Description	Document
Demand Ratio (Average of Last five years)	View Document
Any additional information	View Document

2.1.3 Average percentage of seats filled against seats reserved for various categories as per applicable reservation policy during the last five years

Response: 100

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

2018-19	2017-18	2016-17	2015-16	2014-15
843	843	762	734	750

File Description	Document
Average percentage of seats filled against seats reserved	View Document
Any additional information	View Document

2.2 Catering to Student Diversity

2.2.1 The institution assesses the learning levels of the students, after admission and organises special programs for advanced learners and slow learners

Response:

After admission, the institution assesses the learning levels of the students and organizes special programs for advanced learners and slow learners.

Induction Program:

The institute conducts a 21-day induction program for new entrants, it is an ideal platform to counsel and sensitize them technically towards the principles, practices, and ethics of the institution end to orient them into the ecosystem of higher education.

Categorization of Learners:

Learning the level of a student is identified in the first year by taking their performance in the qualifying exam and Mid I Marks and categorized them as advanced and slow learners. These are supplemented by selection test for

1. Advanced Academic Center (AAC): Dean AAC conducts a written test, an SOP by the student and an interview with senior faculty. Nearly 20-25% of first-year come under this category.
2. Aptitude Assessment Test: To assess problem-solving skills, quantitative and verbal ability. Dean Training and Placement supervise this.
3. Emotional Stability Test & Career Expectation Test: This test is administered by Dean, CGC to assess characteristics like outgoing, introvert or any tendencies for closed attitude.
4. **STEP** (Student Talent Enhancement Program): A continuous monitoring to assess the performance of the students by Head of Basic Sciences in association with Dean finishing school.

Learning methods for Advanced and improvised slow learners:

The institution offers a variety of academic opportunities for advanced learners. They are given opportunities in various co-curricular as well as extra-curricular activities conducted by an institution like X-Kernel, Pragnya, Scientific Forestep, Quizzicals, Spirals, G-talks. Exposure to various Professional Societies like IEEE, IETE, CSI, SAE, SME, IEI and AAC, internships, publish research papers. These learners are motivated and supported by giving them Achievement/Merit certificates. The advanced learners are encouraged to participate in **Value Added Courses like NPTEL, CISCO, etc.**, Special focus is given to these students to appear for higher education as career option like GATE, IES, GRE, TOEFL, etc. The advanced learners can take part in Hackathons. Product and special training under Campus Recruitment Training (CRT) so that they are ready for niche opportunities. The advanced learners become mentors for slow learners and junior batches.

The slow learners are facilitated with remedial classes beyond class hours. These students are mentored by one to one interactive sessions through the **G-Support** scheme. Special attention is given to Slow Learners by Finishing School of GRIET, a unique initiative to motivate slow learners to complete the program in the prescribed time and be ready to take up the careers of their choices and caliber. Additional Course materials like question bank with solutions, multiple-choice questions, problems with solutions are given for slow learners. CRT classes are conducted to improve their logical thinking and programming skills. In the classrooms, students are encouraged to participate in group activities or Peer activities, where a group or peer contains both slow and advanced learners so that the slow learners can get the ideas from advanced learners to solve the problems. The '**Cheyutha**' scheme under **G-assist** is to provide financial assistance if required.

File Description	Document
Any additional information	View Document
link for additional information	View Document

2.2.2 Student - Full time teacher ratio

Response: 16.8

File Description	Document
Any additional information	View Document

2.2.3 Percentage of differently abled students (Divyangjan) on rolls

Response: 0.4

2.2.3.1 Number of differently abled students on rolls

Response: 22

File Description	Document
List of students(differently abled)	View Document
Institutional data in prescribed format	View Document
Any additional information	View Document

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

Response:

GRIET is committed to the pursuit of excellence. It has adopted the Choice Based Credit System and strives for OBE Philosophy. All academic procedures are oriented towards a student-centric learning environment. All programs and courses are designed in line with objectives and outcomes with due credits.

Experiential Learning is through:

- 1. Practicals:** Students are given hands-on experience to enhance technology skill-sets to validate their theoretical knowledge. The curriculum of GRIET is designed to make students spend 50% of their time in laboratories.
- 2. Internships:** We believe in Internships since, it allows students to harness the skill, knowledge, and theoretical practice they learn. 1200 students have taken-up internships during the assessment period.
- 3. Field projects:** Students are encouraged to take up field projects through the placement cell for a period of three months under the supervision of industry experts.
- 4. Field trips:** A field trip is arranged every semester for the students to have an exposure to industry workspace to interact with industry/field experts.
- 5. On Job Training (OJT):** The On Job Training offered by companies like Capgemini, TCS and Master PCB during the last five years gave an opportunity for students to realize power of experiential learning.
- 6. Industrial tours:** These trips expose young learners to real-time problems in engineering and inculcate the spirit of teamwork.

Participative Learning is through:

- 1. Classroom Interaction:** Modern Pedagogy like Think Pair Share is being practiced in Classrooms to improve student engagement.
- 2. Tutorial Interaction:** Tutors facilitate students by giving problem-based assignments providing individual attention.
- 3. Peer-Learning:** During their third-year mini projects and final year projects learners create solutions for engineering problems by collaborating with each other.

4. Plickers: An Interactive tech tool that uses printable “paper clickers” instead of clicker devices.

5. Conferences and Symposia: The college organizes conferences and symposia where the students are encouraged to participate.

6. Community Learning Platform: Faculty uses MOODLE as a community/social learning platform to stay in touch with students online to share study material, assignments, conduct quizzes, collecting feedback & surveying.

The learners practice other participative –learning techniques like:

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

Fostering Creativity, Critical Thinking and Problem Solving:

i) Learning through research-based projects: Faculty facilitates and motivates students to prepare research problem statements to apply for funding. The projects worth of Rs.52.77 lakh from MSME are the result of learning through research-based projects.

ii) Project-based Learning: The project work by BTech students in III Year and IV Year & II Year MTech Students in terms of Mini/Major projects gives an opportunity to explore various problem statements/PoC in their areas of interest and practice cutting edge technologies. Students are encouraged to convert their projects to the product and the product to patent.

iii) Case-based learning: It is being practiced by teachers in suitable courses to practice case-based learning. The daily lecture starts with a case, and the whole lecture will be related to the case linking with the concepts or phenomena in the curriculum. This pedagogy helps students to relate classroom knowledge to real-time experience.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

2.3.2 Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc.

Response: 100

2.3.2.1 Number of teachers using ICT

Response: 324

File Description	Document
List of teachers (using ICT for teaching)	View Document
Any additional information	View Document
Provide link for webpage describing the " LMS/ Academic management system"	View Document

2.3.3 Ratio of students to mentor for academic and stress related issues

Response: 16.8

2.3.3.1 Number of mentors

Response: 324

File Description	Document
Any additional information	View Document

2.3.4 Preparation and adherence to Academic Calendar and Teaching plans by the institution

Response:

Dean Academic Affairs, through the Academic Affairs Committee, plans all the academic activities in the Institute for the forthcoming academic year and is responsible to monitor for strict adherence. These plans are made public through the academic calendar and Time tables. College Diary, prepared by Dean Students Affairs, comprehensively gives the calendar of events which includes curricular activities and beyond curricular activities.

Academic Calendar: The Institute follows a well-planned academic calendar for UG and PG programs. This calendar is prepared in advance for the entire year and is made available for students and faculty on the college website. GRIET maintains the I B.Tech academic calendar separately and common academic calendar to II, III and IV B.Tech courses. The calendar consists of dates for commencement of classes for two semesters, schedule dates of Mid exams (Internal) and End exams (theory and practical), preparatory holidays, practical schedules for regular and supplementary examinations adhering to the statutory guidelines of mandatory 90 instructional days in each semester.

The sample academic calendar for A.Y. 2019-20 is shown in the below link.

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

Timetable: The time table is planned and prepared well in advance for each semester. Overall Institute time table coordinator in association with department timetable coordinators shall prepare as per the guidelines for each program and each year. The timetable coordinator makes sure that the schedule of academic activities is carried without any inconsistencies. In addition to that, there is a separate hour for open electives, co-curricular, Add-on spoken tutorials, SwayamPrabha, etc., which are accommodated. The

Heads of the department ensure that the timetables are made available to all the stakeholders.

The sample timetable is shown in the below link.

<http://www.it.griet.ac.in/wp-content/uploads/2018/12/2018-II-Yr-II-Sem-A-TimeTable-1.pdf>

Teaching Plan: Each course instructor (theory/lab) prepares a teaching plan consisting of course objectives, course outcomes, Program Educational Objectives, Program Outcomes, Lesson Plan, Session Plan, Number of hours required to complete each topic in a unit, schedule of the tutorial, assignment etc., A weekly self-appraisal is also maintained by each course instructor. The Teaching Plan helps the instructor to prepare handouts, lecture notes for the concerned day and facilitate the learner's needs.

The sample course plan is provided by following the link.

<http://www.cse.griet.ac.in/pdfs/Course%20File/9.COURSESCHEDULES.pdf>

2.4 Teacher Profile and Quality

2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years

Response: 100

File Description	Document
Year wise full time teachers and sanctioned posts for 5 years	View Document
List of the faculty members authenticated by the Head of HEI	View Document
Any additional information	View Document

2.4.2 Average percentage of full time teachers with Ph.D. during the last five years

Response: 16.94

2.4.2.1 Number of full time teachers with Ph.D. year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
74	72	68	48	37

File Description	Document
List of number of full time teachers with PhD and number of full time teachers for 5 years	View Document
Any additional information	View Document

2.4.3 Teaching experience per full time teacher in number of years

Response: 11.14

2.4.3.1 Total experience of full-time teachers

Response: 3609

File Description	Document
Any additional information	View Document

2.4.4 Percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the last five years

Response: 3.12

2.4.4.1 Number of full time teachers receiving awards from state /national /international level from Government recognised bodies year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
3	3	2	2	1

File Description	Document
Institutional data in prescribed format	View Document
e-copies of award letters (scanned or soft copy)	View Document
Any additional information	View Document

2.4.5 Average percentage of full time teachers from other States against sanctioned posts during the last five years

Response: 35.97

2.4.5.1 Number of full time teachers from other states year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
126	126	126	126	126

File Description	Document
List of full time teachers from other state and state from which qualifying degree was obtained	View Document
Any additional information	View Document

2.5 Evaluation Process and Reforms

2.5.1 Average number of days from the date of last semester-end/ year- end examination till the declaration of results during the last five years

Response: 11.2

2.5.1.1 Number of days from the date of last semester-end/ year- end examination till the declaration of results year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
12	9	12	11	12

File Description	Document
List of programs and date of last semester and date of declaration of result	View Document
Any additional information	View Document

2.5.2 Average percentage of student complaints/grievances about evaluation against total number appeared in the examinations during the last five years

Response: 9.75

2.5.2.1 Number of complaints/grievances about evaluation year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
536	533	527	331	524

File Description	Document
Any additional information	View Document

2.5.3 Average percentage of applications for revaluation leading to change in marks during the last five years

Response: 11.23

2.5.3.1 Number of applications for revaluation leading to change in marks year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
45	57	52	40	79

File Description	Document
Any additional information	View Document

2.5.4 Positive impact of reforms on the examination procedures and processes including IT integration and continuous internal assessment on the examination management system

Response:

GRIET has adopted summative and formative assessments namely:

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

In CIE, performance in two mid examinations for theory courses and one internal examination for practical courses in addition to assignments, continuous assessment, quizzes, records with appropriate weightage form the basis for sessional marks. In the case of project work, periodic reviews are undertaken.

In SEE, the following measures are taken:

- A comprehensive examination manual and academic regulations are prepared, publicized and available on the website
- Question banks are prepared for all the courses
- The examination schedule is published on the institute website and communicated to the students
- Question papers are set on the basis of Revised Blooms Taxonomy by the subject experts outside the institute
- Careful scrutiny of questions and validation is undertaken by the subject expert(moderator) before they are administered
- Questions test the objectivities and are usually problem-based

- The integrated examination system is in place for taking care of pre and post examination activities
- Auditing of the questions papers and answer scripts are done
- A transparent evaluation pattern is followed with the answer keys by subject experts
- Unbiased valuation is ensured through Bar codes
- The results are published in GCAP [GRIET Campus Administration Portal] which is an in-house software developed and maintained by our faculty as part of experiential learning
- The grievance of the student is also considered and there is a provision to appeal against the result

Pre-Examination Process

The pre-examination procedures like Time Tables, Preparation of Barcoded OMR answer booklets, Seating Plans, Invigilator duties, D form generation are automated and managed by GCAP.

Post Examination Process

The end semester answer scripts are evaluated in a spot valuation camp by the subject experts from reputed institutions. The results are declared within 11 days by Result Committee which has University (JNTUH) Nominee through the GCAP portal. The generation of marks memos, Provisional Certificates and CMM are prepared by considering upto 12 security Features.

IMPACT

- The efforts taken have resulted in the smooth and successful conduction of the examination as per the schedule prepared
- Integration of ICT has enhanced the quality of functioning of the section and has resulted in the speedy publication of the results and redressal of grievances
- The adoption of Revised Blooms Taxonomy has resulted in the improvement of the student academic standards both at teaching and evaluation stages. This has resulted in the mapping of COs with POs effectively
- Introduction of Online examination portal has resulted in the faster declaration of results
- Greater transparency is achieved

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

2.5.5 Status of automation of Examination division along with approved Examination Manual
A. 100% automation of entire division & implementation of Examination Management System (EMS)

B. Only student registration, Hall ticket issue & Result Processing

C. Only student registration and result processing**D. Only result processing**

Response: A. 100% automation of entire division & implementation of Examination Management System (EMS)

File Description	Document
Current manual of examination automation system and Annual reports of examination including the present status of automation	View Document
Current Manual of examination automation system	View Document
Any additional information	View Document
Annual reports of examination including the present status of automation	View Document

2.6 Student Performance and Learning Outcomes

2.6.1 Program outcomes, program specific outcomes and course outcomes for all programs offered by the Institution are stated and displayed on website and communicated to teachers and students

Response:

GRIET commenced the introduction of Outcome-Based Education(OBE) system from 2014. OBE is a system to ensure attainment of Program Educational Objectives (PEOs), Program Outcomes(POs), Program Specific Outcomes(PSOs) and Course Outcomes(COs).

Program Outcomes and Program Specific Outcomes have been prepared by Program Assessment Committee (PAC) in the concerned departments in consultation with all stakeholders viz., Faculty, Alumni, Employers in accordance with the societal requirements, changing trends in the technologies etc.

Course Outcomes are the direct statements describing the learnings by the students at the end of the course through module coordinators/ course coordinators/subject experts. PAC is responsible for preparing attainment of COs based on student performance in every mid examination and Semester End Examinations and other academic activities like project presentations and seminars.

POs and COs for all programs are meticulously prepared by associated departments and subject experts and the same are communicated to all the stakeholders. Wide publicity is given for the same so that they

will reach all stakeholders.

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

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

The Course Outcomes are clearly defined in the respective course files which are made available to the students through Course Plan, Moodle, individual department websites based on the changes in subject syllabus and interaction with the student community. Course Outcomes are suitably modified as per CO redefined procedure.

Handbooks given to the students contain the COs and POs of the respective programs and courses. Faculty members highlight the concerned CO and PO related to their specific topic during the lecture hour in the classroom.

Apart from these, POs and COs are emphasized during

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

The question papers of both internal and external assessments are prepared in such a way that each question clearly mentions the allied CO.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

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

Response:

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

Course / Subject Outcomes describe what students are expected to know and be able to do at the time of completion of the course/subject. The Course Outcomes prescribe the major skills, knowledge, attitude, and ability that students should attain. These are expressed in terms of measurable and/or observable performance metrics. Course outcomes are specified for all academic activities namely content delivery, demonstrations, group discussions, technical quiz, seminars, projects, etc. Assessment and evaluation methods are designed to improve student learning and these are specific and measurable.

Program Outcome / Program Educational Outcomes / Student Learning Outcomes describe what students are expected to know and be able to do by the time of graduation. Outcomes are narrower statements and these relate to the skills, knowledge, and behaviors/attitudes that students acquire as they progress through the program. They reflect all the Graduate Attributes at the end of the program.

Based on the internal evaluation and external evaluation, the CO and PO attainment in each course are calculated. Thereafter, this CO-PO score is mapped with the Program Educational Objective of each program.

Further, the CO-PO score and the PEO attainment levels are analyzed by the concerned faculty and then corrective action is taken so that these shortcomings are corrected in the next semester.

Attainment of Program Outcomes is calculated by Direct and Indirect Methods.

Direct measures provide for the direct examination or observation of student knowledge or skills against measurable learning outcomes. Performance in Mid Examinations/Semester End Examinations witnesses the CO-PO attainment directly.

Indirect measures are those that ascertain the opinion or self-report of the extent or value of learning experiences. The Written Surveys, Questionnaires, Exit Surveys, and interviews are indirect methods.

Written Surveys and Questionnaires

Asking individuals/stakeholders (Parents/Employers/Alumni/Faculty) to share their perceptions about the program (e.g., their own or others' skills/attitudes/behavior, or program/course qualities and attributes)

-Most common indirect measure

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

Exit and other Interviews

Asking individuals (Parents/Employers/Alumni/Faculty) to share their perceptions about the program (eg their own skills/attitudes, skills and attitudes of others, or program qualities) in a face-to-face dialog with an interviewer

-Generally indirect measure

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

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

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

2.6.3 Average pass percentage of Students

Response: 96.3

2.6.3.1 Total number of final year students who passed the examination conducted by Institution.

Response: 1250

2.6.3.2 Total number of final year students who appeared for the examination conducted by the institution

Response: 1298

File Description	Document
List of programs and number of students passed and appeared in the final year examination	View Document
Any additional information	View Document
Link for annual report	View Document

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response: 3.77

Criterion 3 - Research, Innovations and Extension

3.1 Promotion of Research and Facilities

3.1.1 The institution has a well defined policy for promotion of research and the same is uploaded on the institutional website

Response: Yes

File Description	Document
Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View Document
Any additional information	View Document
URL of Policy document on promotion of research uploaded on website	View Document

3.1.2 The institution provides seed money to its teachers for research (average per year)

Response: 32.3

3.1.2.1 The amount of seed money provided by institution to its faculty year-wise during the last five years(INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
37.48	54.07	9.73	45.90	14.3

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

3.1.3 Number of teachers awarded international fellowship for advanced studies/ research during the last five years

Response: 22

3.1.3.1 The number of teachers awarded international fellowship for advanced studies / research year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
2	2	5	8	5

File Description	Document
List of teachers and their international fellowship details	View Document
e-copies of the award letters of the teachers.	View Document
Any additional information	View Document

3.1.4 Institution has the following facilities

1. Central Instrumentation Centre
2. Animal House/Green House / Museum
3. Central Fabrication facility
4. Media laboratory/Business Lab/Studios
5. Research / Statistical Databases

A. Any four facilities exist

B. Three of the facilities exist

C. Two of the facilities exist

D. One of the facilities exist

Response: A. Any four facilities exist

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

3.2 Resource Mobilization for Research

3.2.1 Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution during the last five years (INR in Lakhs)

Response: 0

3.2.1.1 Total Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution year-wise during the last five years(INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0	0	0

File Description	Document
List of project and grant details	View Document
e-copies of the grant award letters for research projects sponsored by non-government	View Document
Any additional information	View Document

3.2.2 Number of research centres recognised by University and National/ International Bodies

Response: 7

3.2.2.1 Number of research centres recognised by University and National/ International Bodies

Response: 7

File Description	Document
Names of research centres	View Document
Any additional information	View Document

3.2.3 Percentage of teachers recognised as research guides

Response: 5.95

3.2.3.1 Number of teachers recognised as research guides

Response: 21

3.2.3.2 Number of full time teachers worked in the institution during the last 5 years

Response: 353

File Description	Document
Details of teachers recognized as research guide	View Document
Any additional information	View Document

3.2.4 Number of research projects per teacher funded, by government and non-government agencies, during the last five year

Response: 0.18

3.2.4.1 Number of research projects funded by government and non-government agencies during the last five years

Response: 13

File Description	Document
Supporting document from Funding Agency	View Document
Any additional information	View Document
link to funding agency website	View Document

3.3 Innovation Ecosystem

3.3.1 Institution has created an eco system for innovations including Incubation centre and other initiatives for creation and transfer of knowledge

Response:

The institution has a vibrant ecosystem for innovations, Entrepreneurship, Incubation and startups. The innovation ecosystem is working towards creating a culture of creation and transfer of knowledge among the students. The innovations including incubation center and Entrepreneurship are being headed by Dean Technology and Innovation Cell and Dean Entrepreneurship Development Cell.

Technology and Innovation Cell: This cell is started to provide advancements in basic and applied areas of science, engineering and technology to students to become active partners in the economic development process. Technology and Innovation Cell offers support and mentor students for identification, development and commercialization of innovative ideas. This cell is responsible for the conduct of Business plan Competitions, Innovation Camps, Hackathons with active involvement of industry and alumni for better practice of innovation by students. Institute is having 42 functional MoU's were made to emphasize innovation with industry, Academia, NGOs to jointly exchange their expertise for mutual benefit and growth. The Cell provides guidance, support and resources to the researchers, innovators and creators. Rs 1.65 lakhs have been spent for the last two years since establishment.

Technology and Innovation Cell and EDC Achievements:

Name of the Activity	Organized by	Date(s)	Achievement
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Hackathons	JNTUH In association with SOAL	9-10 March 2019	1st Runner Up
	IBC	3-4 Aug 2018	1st Runner Up
	JHUB, JNTUH	23-24 Feb 2018	Winners
	SNIST-Engg College	1-2 Feb 2019	Winners
	CVR-Engg College	11-12 Jan 2019	Winners
	JNTU Sultanpur-Engg College	10-11 Jan 2019	Winners
	CMR-Engg College	04-05 Jan 2019	Winners

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

The Cell offers a special course on Entrepreneurship in association with Wadhvani Global University. Design Thinking course has been introduced as a mandatory course to all II year students to enhance their mindset towards innovations. There are 20 startups generated in the college.

Notable Startups:

Name of the Startup	Year of Inception	Achievement
Standard Programmed Instruments	2018-19	ChattraVishwa Karma Award
Rollin	2017-18	Distinctive Innovative Idea
Highbone Technical Services	2017-18	Pvt Ltd Company
Syntizen Technologies	2014-15	State Formation Day Award

Achievements

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

Incubation Cell:

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

File Description	Document
Any additional information	View Document
link for additional information	View Document

3.3.2 Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry - Academia Innovative practices during the last five years

Response: 53

3.3.2.1 Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
23	11	8	6	5

File Description	Document
Report of the event	View Document
List of workshops/seminars during the last 5 years	View Document
Any additional information	View Document

3.3.3 Number of awards for innovation won by institution/ teachers/ research scholars/students during the last five years

Response: 1

3.3.3.1 Total number of awards for innovation won by institution/teachers/research scholars/students year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
1	0	0	0	0

File Description	Document
List of innovation and award details	View Document
e- copies of award letters	View Document
Any additional information	View Document

3.3.4 Number of start-ups incubated on campus during the last five years

Response: 20

3.3.4.1 Total number of start-ups incubated on campus year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
9	5	3	2	1

File Description	Document
List of startups details like name of startup, nature, year of commencement etc	View Document
e- sanction order of the Institution for the start ups on campus	View Document
Contact details of the promoters for information	View Document
Any additional information	View Document

3.4 Research Publications and Awards

3.4.1 The institution has a stated Code of Ethics to check malpractices and plagiarism in Research

Response: Yes

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

3.4.2 The institution provides incentives to teachers who receive state, national and international recognition/awards

Response: Yes

File Description	Document
e- copies of the letters of awards	View Document
Any additional information	View Document

3.4.3 Number of Patents published/awarded during the last five years

Response: 14

3.4.3.1 Total number of Patents published/awarded year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
7	4	1	0	2

File Description	Document
List of patents and year it was awarded	View Document
Any additional information	View Document

3.4.4 Number of Ph.D.s awarded per teacher during the last five years

Response: 0.38

3.4.4.1 How many Ph.Ds are awarded within last 5 years

Response: 8

3.4.4.2 Total number of teachers recognised as guides during the last 5 years

Response: 21

File Description	Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	View Document
Any additional information	View Document
URL to the research page on HEI web site	View Document

3.4.5 Number of research papers per teacher in the Journals notified on UGC website during the last five years

Response: 1.19

3.4.5.1 Number of research papers in the Journals notified on UGC website during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
171	87	52	55	55

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

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

Response: 1.78

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

2018-19	2017-18	2016-17	2015-16	2014-15
79	199	160	100	88

File Description	Document
List books and chapters in edited volumes / books published	View Document
Any additional information	View Document

3.4.7 Bibliometrics of the publications during the last five years based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Response: 4.15

File Description	Document
BiblioMetrics of the publications during the last five years	View Document
Any additional information	View Document

3.4.8 Bibliometrics of the publications during the last five years based on Scopus/ Web of Science - h-index of the Institution

Response: 15.5

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

3.5 Consultancy

3.5.1 Institution has a policy on consultancy including revenue sharing between the institution and the individual	
Response: Yes	
File Description	Document
Soft copy of the Consultancy Policy	View Document
Minutes of the Governing Council/ Syndicate/Board of Management related to Consultancy policy	View Document
Any additional information	View Document
URL of the consultancy policy document	View Document

3.5.2 Revenue generated from consultancy during the last five years				
Response: 174.3				
3.5.2.1 Total amount generated from consultancy year-wise during the last five years (INR in Lakhs)				
2018-19	2017-18	2016-17	2015-16	2014-15
113.36	48.77	0.41	0.75	11.01
File Description	Document			
List of consultants and revenue generated by them	View Document			
Audited statements of accounts indicating the revenue generated through consultancy	View Document			
Any additional information	View Document			

3.5.3 Revenue generated from corporate training by the institution during the last five years	
Response: 33.05	

3.5.3.1 Total amount generated from corporate training by the institution year-wise during the last five years (INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
13.56	17.15	1.74	0.6	0

File Description	Document
List of teacher consultants and revenue generated by them	View Document
Audited statements of account indicating the revenue generated through training	View Document
Any additional information	View Document

3.6 Extension Activities

3.6.1 Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the last five years

Response:

GRIET provides lot of importance to holistic development and societal needs by motivating students and conducted many activities focusing on social issues during last five year. GRIET has four National Service Scheme(NSS) units with 400 dedicated student volunteers. In addition, there is a **Street Cause** wing with 100+ volunteers, **Green Campus** wing with 100+ volunteers and **Women Development Cell** with 100 volunteers. All these units work extensively on the societal issues in the neighborhood community of GRIET which NSS units sensitizes towards social issues. These activities develop students into ideal citizens with high moral values and societal responsibility.

The following are list of activities organized in the neighbourhood community in last five years under each wing:

A. NSS Services:

1. Blood Donation Camps
2. Orphanage visits
3. Old age Homes visit
4. Intellectually challenged Homes visit
5. Visiting Mandala Parishad and Govt. Schools conducted activities to improve communication skills

6. Rallies on Anti-Drug Abuse, Rivers
7. Lake cleaning and Road Safety
8. Awareness on Digital payments
9. Organizing Health Checkup camps for both students and staff.

B. Street Cause Services:

1. Activities like Paper recycling event,
2. Eco-friendly Ganesh idols,
3. Spreading awareness about the environment,
4. Distribution of blankets to the homeless
5. Resituates during the winter season
6. Adopted Ettigadda Sangam village given cement garbage bins for cleanliness
7. Government schools were given a CPU to encourage digital studies
8. Water supply connection was established to the government school and a medical camp was held for the villagers.
9. Candle moulds were given to the Good Samaritarian old age home to start their own business
10. Sanitation was provided at the old age home for improving hygiene.
11. Donations were made for the Srikakulam and Kerala Flood relief camps.
12. Sastra-Free Education drive was conducted by SC volunteers for the students of ZPHigh School, Nizampet.
13. A National level Environmental Fest "RUEDO".

C. Green Campus Wing:

1. Tree plantation activities in the surrounding schools.
2. Promote Rain Water harvesting
3. Borewells recharge in the neighborhood community
4. SwatchtaPakhwada activity initiated by government of India on Health, Hygiene and Cleanliness awareness campaign in neighbourhood community.

5. Plastic drive

D. Women Development Cell:

1. Teaching self-defense techniques in the neighboring schools and slums.
2. Teaching Yoga
3. Educating girls/women on Cleanliness and Hygiene for Women community

E. Department Activities:

1. Depute students and staff to the schools in neighbourhood. These teams take up activities like computer literacy, demonstration of functioning of various electrical & electronic devices, etc in order to generate interest in underprivileged students about technical education.
2. GRIETINK has been created from ECE department to further enhance our outreach activities. They have taken up several activities at Ghattuppal Village school.
3. The students are given hands on experience on various electronic devices including circuit boards.
4. Prerana from IT department also started similar activities as discussed above in the neighbourhood community.
5. PRAGNYA 90.4FM Community Radio Service catering to the neighbourhood community on various societal and communal issues.

File Description	Document
Any additional information	View Document
link for additional information	View Document

3.6.2 Number of awards and recognition received for extension activities from Government /recognised bodies during the last five years

Response: 43

3.6.2.1 Total number of awards and recognition received for extension activities from Government /recognised bodies year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
9	12	13	5	4

File Description	Document
Number of awards for extension activities in last 5 years	View Document
e-copy of the award letters	View Document
Any additional information	View Document

3.6.3 Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the last five years

Response: 225

3.6.3.1 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

2018-19	2017-18	2016-17	2015-16	2014-15
64	37	36	47	41

File Description	Document
Reports of the event organized	View Document
Number of extension and outreach programs conducted with industry,community etc for the last five years	View Document
Any additional information	View Document

3.6.4 Average percentage of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last five years

Response: 100

3.6.4.1 Total number of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
5443	5181	5063	4965	4868

File Description	Document
Report of the event	View Document
Average percentage of students participating in extension activities with Government or NGO etc	View Document
Any additional information	View Document

3.7 Collaboration

3.7.1 Number of Collaborative activities for research, faculty exchange, student exchange per year				
Response: 21				
3.7.1.1 Total number of Collaborative activities for research, faculty exchange, student exchange year-wise during the last five years				
2018-19	2017-18	2016-17	2015-16	2014-15
29	27	19	19	11
File Description	Document			
Number of Collaborative activities for research, faculty etc	View Document			
Copies of collaboration	View Document			
Any additional information	View Document			

3.7.2 Number of linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the last five years				
Response: 1				
3.7.2.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc year-wise during the last five years				
2018-19	2017-18	2016-17	2015-16	2014-15
1	0	0	0	0

File Description	Document
e-copies of linkage related Document	View Document
Details of linkages with institutions/industries for internship	View Document
Any additional information	View Document

3.7.3 Number of functional MoUs with institutions of National/ International importance, Other Institutions, Industries, Corporate houses etc., during the last five years (only functional MoUs with ongoing activities to be considered)

Response: 42

3.7.3.1 Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years (only functional MoUs with ongoing activities to be considered)

2018-19	2017-18	2016-17	2015-16	2014-15
18	8	6	5	5

File Description	Document
e-copies of the MoUs with institution/ industry/ corporate house	View Document
Details of functional MoUs with institutions of national, international importance, other universities etc during the last five years	View Document
Any additional information	View Document

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 The institution has adequate facilities for teaching - learning. viz., classrooms, laboratories, computing equipment, etc

Response:

The institute encompasses a well-maintained campus spread over 24 acres of serene green land which includes aesthetically designed buildings, open air auditorium and playgrounds. It has well furnished, adequately ventilated classrooms and laboratories.

Institute has 75 classrooms, 104 laboratories, 11 seminar halls, 23 tutorial rooms, 3 drawing halls and 2 computer centers.

All the buildings have been designed such that the class rooms get plenty of fresh air and natural light. The college itself is situated on a hillock which gives panoramic views of all surrounding land scape.

All 75 classrooms are equipped with E-Learning facilities like LED Projectors, Wi-Fi, Smart TVs, and Large Screens.

The Institution provides laboratory facilities with state of the art equipment suiting to the requirements of curriculum and research. All the laboratories have been established surpassing the specifications of All India Council for Technical Education (AICTE) as well as the affiliating university i.e., Jawaharlal Nehru Technological University Hyderabad (JNTUH).

New/Augmented Labs established in the last five years are

ECE:

1. Software Defined Radio Lab

CSE:

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

EEE:

1. Power Systems lab
2. Power Electronics and Drives Lab
3. Digital Signal Processing Lab
4. PLC Lab
5. Power Quality Lab
6. Sensors, Measurements and Instrumentation Lab

Mechanical:

1. Research and Development Lab
2. Advance Manufacturing Process Lab
3. Tool Design Lab

Civil:

1. Advanced concrete technology lab
2. CAD lab
3. Structural design lab
4. Model testing lab
5. Numerical analysis lab
6. Computer applications in structural engineering lab
7. Advanced CAD lab

Basic Science:

1. Applied Physics Lab
2. Basic Electrical Engineering Lab
3. Engineering Graphics Lab

IT:

1. Digital Electronics Lab
2. IBM Data Analytics Lab

Special labs:

1. J-LAB
2. Oxford English Lab
3. Skill Development Center
4. LabVIEW Academy
5. CLOVE Technologies Lab
6. CISCO Academy
7. ORACLE Academy

From these New/Augmented Labs, Faculty produced 160 research papers, and 1 patent. An amount of Rs.158 Lakhs was spent for establishing/developing the above said labs which inturn generated IRG (Internal Revenue Generation) of Rs.6.5 Lakhs along with Rs.20 Lakhs consultancy.

Every department is equipped with their own seminar hall to conduct conferences, seminars, workshops and guest lectures by eminent speakers. Each seminar hall is built satisfying AICTE norms in size and area with Wi-Fi connectivity and air conditioning. Most of the technical events of the departments are conducted in their respective seminar halls.

Each department has adequate number of tutorial classrooms to conduct tutorial classes to address the queries of the student, which includes even personal level doubts too. Tutorial classrooms are equipped with white board, and other required furniture.

Institute Library provides Book Lending and Book bank facility. In addition to the privilege of borrowing library books, students are provided with one set of recommended text books of the semester so as to inculcate the habit of referring standard literature. This facility has been unique to the institution right from inception in 1997.

Institute is completely enabled with Wi-Fi. Institute has leased line bandwidth of 400Mbps catering to academic works. There are 358 CC cameras exclusively for 24 hour video surveillance.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

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

Response:

Parallel to academics, the institute encourages the students to participate in sports and cultural activities and awards them accordingly. This practice is going on ever since the institution was established in 1997. Daily on an average around 200 students visit the sports room.

Four acres of land is provided for indoor as well as for outdoor games/sports. More than Rs100 lakh rupees has been spent for sports/Gym facilities as well as for other highly sophisticated equipment.

Facilities Available:

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

1. Basketball court
2. Snooker table
3. Carrom boards
4. Chess boards
5. Cricket ground
6. Football ground
7. Volley ball courts
8. Throw ball court
9. Table tennis courts
10. Medical center for sport players with a Doctor and pharmacists

11. Rest rooms are provided for players

Institute has a spacious and well equipped indoor sports rooms (separate facility for boys and girls) of 800 sq meters, accommodating various indoor games namely table tennis, chess, caroms, and snookers.

Facility is available for students and faculty members to meditate and practice yoga.

Institution has a full-fledged Gym facility for faculty and students (Cardiac and Muscular).

Sports and Cultural Activities:

The institute promotes sports and games amongst the staff and students through a well-qualified Physical Director.

College teams are formed and trained to take part in state level, university level competitions and other intercollegiate competitions.

Sports events are conducted at the interdepartmental level and the winners are awarded accordingly.

Apart from indoor games, outdoor sports such as volleyball, basketball, throwball, cricket, football, and kho-kho etc., are well practiced and played by the students.

Every year international Yoga day is celebrated by conducting a mega yoga event.

Beyond the curricular events, students are motivated and encouraged to participate in Pragnya-Annual Technical fest, PULSE- Annual Cultural Fest, Ruedo- Annual Environmental Fest, Annual Sports Day, Annual Day, Fresher's Day, etc., to exhibit the cultural, and artistic talents and promote harmony.

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

Student bodies like *Spirals* for Literary activities, *Quizzicals* for quiz related events, *Spices* for culinary skills, *Rhythms* for dance and music periodically conduct events and competitions in their respective domains contributing to the wholesome development of the students. As these bodies are managed solely by the students. These activities strengthen the managerial capabilities of the students as they go through their academics in the institute.

File Description	Document
Any additional information	View Document
link for additional information	View Document

4.1.3 Percentage of classrooms and seminar halls with ICT - enabled facilities such as smart class, LMS, etc**Response:** 100**4.1.3.1 Number of classrooms and seminar halls with ICT facilities****Response:** 86

File Description	Document
Number of classrooms and seminar halls with ICT enabled facilities	View Document
Any additional information	View Document
Link for additional information which is optional	View Document

4.1.4 Average percentage of budget allocation, excluding salary for infrastructure augmentation during the last five years.**Response:** 8.09**4.1.4.1 Budget allocation for infrastructure augmentation, excluding salary year-wise during the last five years (INR in Lakhs)**

2018-19	2017-18	2016-17	2015-16	2014-15
122.60	122.833	404.80	150.80	46.442

File Description	Document
Audited utilization statements	View Document
Any additional information	View Document

4.2 Library as a Learning Resource**4.2.1 Library is automated using Integrated Library Management System (ILMS)****Response:****Name of the ILMS software:** KOHA**Nature of automation (fully or partially)-**Fully

Version Year of automation: Version 18.05.x

Year: 2017

The Institute has a large collection (124169) of books as well as audio-visual material. The library is automated with Open Source software KOHA.18.05.x version and the collection of library books can be browsed locally and remotely. Users can browse their holdings and other details using credentials from anywhere locally and remotely.

Digital Library:

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

NPTEL Lessons are accessible through LAN.

File Description	Document
Any additional information	View Document
link for additional information	View Document

4.2.2 Collection of rare books, manuscripts, special reports or any other knowledge resource for library enrichment

Response:

Library support extends to education and research by providing access to quality information resources, essential for teaching and learning. Library has collections in specific academic disciplines of Electrical, Electronics, Mechanical, Civil and Computer Science and other interrelated disciplines. Manuscripts and reports are made available for reference.

Apart from regular academic books it procures books related to entrances like GATE, GRE, CAT, Fiction, Non-Fiction, Aptitude, Communications and Competitive books. Library services include access to journals print and online and archives of journals. Library provides Laptops facility primarily for student, staff use intended for users needing brief use of a PC to access on-line library resources or for general Internet access.

The library has a collection of varied and interesting rare books related to History, Engineering, Literature, Mathematics, Physics and so on.

Some of rare books includes the following: -

Selections from the Records of Madras Government No XXIV (1856) Reports on the disturbances in Purla Kimedya, Vizagapatam and Goomsoor in 1832-36 by Mr G E Russell Senior member of Board of Revenue and afterwards member of Council Madras Presidency Madras, 1856 .2 Vol.

History of The Deccan by Gribble J D B (1896) published by Luzac And Co gives a description of local folklore knowledge, traditions, travelling's and historiography written earlier and builds a fine narrative to acquaint the reader with southern India –Deccan during Nizam times.

An Inquiry into the Nature and Causes of the Wealth of Nations (1937) (generally referred to by the short title The Wealth of Nations) is the masterpiece of the Scottish economist and moral philosopher Adam Smith. It was first published in 1776. It is an account of economics at the dawn of the Industrial Revolution, as well as a rhetorical piece written for the generally educated individual of the 18th century.

Foreign Notices of South India From Megasthenes To Ma Huan (1939) by Nilakanta Sastri K A. A useful collection of reference to the southern India and Ceylon in the works of Greek and Roman writers, Chinese pilgrims, European travelers etc. translated with introduction and notes.

The Complete Works of William Shakespeare. (1965) This edition includes beautiful illustrations as well as a Biographical Introduction and Essay on Shakespeare and Bacon by Sir Henry Irving.

The Last Spike the Great Railway 1881-1885. (1971) In the four years between 1881 and 1885, Canada was forged into one nation by the building of the Canadian Pacific Railway. The Last Spike reconstructs the incredible story of how some 2,000 miles of steel crossed the continent in just five years — exactly half the time stipulated in the contract. Pierre Berton recreates the adventures that were part of this vast undertaking.

Great Explorers (1979) A very good Historical book to know about the World greatest Explorer, their journey and experience during the World Exploration at the centuries. Far beyond from their beloved country and few of them not succeeded return to their homeland and earn the glory.

List of Rare books Available is given in Additional Information.

File Description	Document
Any additional information	View Document
link for additional information	View Document

4.2.3 Does the institution have the following

1.e-journals

- 2.e-ShodhSindhu
- 3.Shodhganga Membership
- 4.e-books
- 5.Databases

Any 4 of the above

Any 3 of the above

Any 2 of the above

Any 1 of the above

Response: Any 4 of the above

File Description	Document
Details of subscriptions like e-journals,e-ShodhSindhu,Shodhganga Membership etc	View Document
Any additional information	View Document

4.2.4 Average annual expenditure for purchase of books and journals during the last five years (INR in Lakhs)

Response: 40.49

4.2.4.1 Annual expenditure for purchase of books and journals year-wise during the last five years (INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
45.19	39.43	29.57	46.38	41.87

File Description	Document
Details of annual expenditure for purchase of books and journals during the last five years	View Document
Audited statements of accounts	View Document
Any additional information	View Document

4.2.5 Availability of remote access to e-resources of the library

Response: Yes

File Description	Document
Any additional information	View Document

4.2.6 Percentage per day usage of library by teachers and students

Response: 20.98

4.2.6.1 Number of teachers and students using library per day over last one year

Response: 1210

File Description	Document
Any additional information	View Document

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi

Response:

The institute provides a large range of IT amenities and services with a state-of-the-art networking environment to support all students and staff for their learning, research, teaching, and administration.

The institute has services like powerful central servers, web-based email application, Internet security system, anti-virus software and Network services.

Implementation of WLAN/wired network helps the faculty and students to connect easily within campus to the campus network without a wire. With this, all college blocks, laboratories, seminar halls and selected places in departments have excellent Wi-Fi connection at a speed of 400 Mbps. Further, Rs.65 lakhs have been spent for CCTV/Video surveillance.

To protect the network and data from the potential attack, institute has E Scan internet security antivirus system and upgraded in 2018 for 3 years with an amount of Rs 2.83 Lakhs. It has now been upgraded with a Firewall. The Security System runs round the clock and provides network services to support the IT needs of the Institution. Software and hardware are upgraded periodically as when a demand for the same arrives. Turnitin licensed software has been purchased by the institution for Internet-based plagiarism detection.

Four servers are maintained in the institution for Anti-Virus, NPTEL, Biometric and CCTV. The old network bandwidth of 155 Mbps has been upgraded with 400Mbps with an amount of Rs 2.12 Lakhs and is being utilized efficiently for academic and research needs. The institute network control center has been upgraded with Mikrotik Firewall. In addition ,500 computers have access to internet,1558 computers are having networking,96 Wi-Fi routers are available & 65 switches are also available.

The entire institute is under 24-hour surveillance by 358 CC cameras. The campus is completely enabled with Wi-Fi. Digital signages are available at main locations in the campus for the display of

activities/events/workshops going on in the institution.

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

File Description	Document
Any additional information	View Document
link for additional information	View Document

4.3.2 Student - Computer ratio

Response: 2.64

File Description	Document
Any additional information	View Document

4.3.3 Available bandwidth of internet connection in the Institution (Lease line) ?50 MBPS

35 MBPS - 50 MBPS

20 MBPS - 35 MBPS

5 MBPS - 20 MBPS

Response: ?50 MBPS

File Description	Document
Any additional information	View Document

4.3.4 Facilities for e-content development such as Media Centre, Recording facility, Lecture Capturing System (LCS)

Response: Yes

File Description	Document
Facilities for e-content development such as Media Centre, Recording facility,LCS	View Document
Any additional information	View Document
Link to photographs	View Document

4.4 Maintenance of Campus Infrastructure

4.4.1 Average Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, as a percentage during the last five years

Response: 57.17

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

2018-19	2017-18	2016-17	2015-16	2014-15
1479.48	1187.88	1201.85	1099.96	883.67

File Description	Document
Details about assigned budget and expenditure on physical facilities and academic facilities	View Document
Audited statements of accounts.	View Document
Any additional information	View Document

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

Response:

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

Library is being maintained by the Librarian and is monitored by the Library Committee. The requirements are processed through this committee. The Physical Director takes care of all sports facilities including Gymnasium. The computes are serviced and maintained properly, and the software are updated keeping in view of requirements. The ICT devices used for teaching learning are always given priority in maintenance. The college has generator facilities so that power cuts do not affect the conduct of classes and laboratory sessions. The institution takes proper care and indulges in planning exercises so as to ensure optimum use of physical facilities. Being an engineering institution, the students are also involved in the maintenance of air-conditioners, power devices and transport. The college has adequate man-power to look after the maintenance of the campus including physical facilities.

Classrooms: Each department has adequate number of classrooms required to run the daily academic

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

Laboratories: Each department has adequate number of laboratories with state-of-the-art infrastructure thus, enhancing and promoting desired teaching and learning environment. Each lab has a lab-in-charge and a lab assistant who maintains, updates and services the equipment time to time.

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

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

Exclusive Facilities for Women: The institute provides restroom facilities for women students and staff. Institute has provided installed machines for sanitary napkin vending and safe disposal of used ones, keeping health and hygiene as a primary consideration. WDC members look after the cleanliness and hygiene of the restrooms and the machines. Faculty and students can utilize yoga and meditation centers for their physical as well as mental fitness.

Sports Complex: The institute has a good playground, which provides facilities for games and sports like cricket, basketball, volleyball, throwball etc. Apart from this, there is a gymnasium with qualified and trained Physical Director. Students can play indoor games like TT, Carom board, Chess, Snooker table etc. GRIET is organizing **Khelotsav** which is a inter college sports fest. The students who are interested in sports can avail the kits available in sports complex. The sports and extracurricular activities are conducted regularly to make them fit physically and mentally.

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

Maintenance & Safety: Institute environment is kept clean, green and all amenities such as water for drinking, restrooms, gardening, and power are available round the clock through dedicated housekeeping staff. They are facilitated through bore wells, dedicated water tankers, RO plant, Sewage Treatment Plant (STP), augmented by Rain Harvesting Scheme. All these are looked after by Maintenance & Safety officer through team of expert tradesman. Health & hygiene checks, fire drills are routinely done. With student representation, respective committees look after efficient functioning of transport, canteen, bank with ATM facilities.

Electrical maintenance: Power supply and Electrical maintenance is maintained by Electrical and Electronics Engineering Department supported by electricians team for providing reliable electrical power to the college. The power is supplied by the TSSPDCL with a maximum demand of 500KVA. Diesel Generators which is capable of providing power back-up of 100KVA initially, has gradually upgraded to 410 KVA (250KVA+160 KVA). UPS back up of 7 KVA is made available for Exam Branch and 20 KVA for Server room. Solar power plant of 413 KWP capacity is available and is maintained meticulously by technical team.

File Description	Document
Any additional information	View Document
link for additional information	View Document

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1 Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years

Response: 52.56

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

2018-19	2017-18	2016-17	2015-16	2014-15
3020	2741	2607	2531	2528

File Description	Document
Upload self attested letter with the list of students sanctioned scholarships	View Document
Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years	View Document
Any additional information	View Document

5.1.2 Average percentage of students benefited by scholarships, freeships, etc. provided by the institution besides government schemes during the last five years

Response: 0.26

5.1.2.1 Total number of students benefited by scholarships, freeships, etc provided by the institution besides government schemes year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
20	20	13	9	5

File Description	Document
Any additional information	View Document

5.1.3 Number of capability enhancement and development schemes –

- 1.Guidance for competitive examinations
- 2.Career Counselling
- 3.Soft skill development
- 4.Remedial coaching
- 5.Language lab
- 6.Bridge courses
- 7.Yoga and Meditation
- 8.Personal Counselling

7 or more of the above

Any 6 of the above

Any 5 of the above

Any 4 of the above

Response: 7 or more of the above

File Description	Document
Details of capability enhancement and development schemes	View Document
Any additional information	View Document
Link to Institutional website	View Document

5.1.4 Average percentage of students benefited by guidance for competitive examinations and career counselling offered by the institution during the last five years

Response: 78.32

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

2018-19	2017-18	2016-17	2015-16	2014-15
4238	4057	3893	3971	3824

File Description	Document
Number of students benefited by guidance for competitive examinations and career counselling during the last five years	View Document
Any additional information	View Document

5.1.5 Average percentage of students benefited by Vocational Education and Training (VET) during the last five years**Response:** 21.03

5.1.5.1 Number of students attending VET year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
2605	1036	1150	421	297

File Description	Document
Details of of students benefited by Vocational Education and Training (VET)	View Document
Any additional information	View Document

5.1.6 The institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases**Response:** Yes

File Description	Document
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View Document
Details of student grievances including sexual harassment and ragging cases	View Document
Any additional information	View Document

5.2 Student Progression**5.2.1 Average percentage of placement of outgoing students during the last five years****Response:** 51.18

5.2.1.1 Number of outgoing students placed year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
796	719	734	603	564

File Description	Document
Self attested list of students placed	View Document
Details of student placement during the last five years	View Document
Any additional information	View Document

5.2.2 Percentage of student progression to higher education (previous graduating batch)

Response: 43.3

5.2.2.1 Number of outgoing students progressing to higher education

Response: 562

File Description	Document
Upload supporting data for student/alumni	View Document
Details of student progression to higher education	View Document
Any additional information	View Document

5.2.3 Average percentage of students qualifying in State/ National/ International level examinations during the last five years (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations)

Response: 51.04

5.2.3.1 Number of students qualifying in state/ national/ international level examinations (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil services/ State government examinations) year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
74	53	48	45	36

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

2018-19	2017-18	2016-17	2015-16	2014-15
126	112	96	84	79

File Description	Document
Upload supporting data for the same	View Document
Number of students qualifying in state/ national/ international level examinations during the last five years	View Document
Any additional information	View Document

5.3 Student Participation and Activities

5.3.1 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) during the last five years

Response: 14

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

2018-19	2017-18	2016-17	2015-16	2014-15
5	2	0	3	4

File Description	Document
Number of awards/medals for outstanding performance in sports/cultural activities at national/international level during the last five years	View Document
e-copies of award letters and certificates	View Document
Any additional information	View Document

5.3.2 Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution

Response:

Student Council activity:

The institution does have Student Council that functions in integrating and executing the various activities. The major activities conducted by the Student Council during the last academic year are as follows:

Name of the Programme

Technical Fest: PRAGNYA	Freshers Day
Cultural Fest: PULSE	Sports Day
Spirals	Annual Day
Spices	Alumni day
x-Kernel	Environmental Fests
Scientific Forestep	Engineers day
Quizzicals	Peace day
Rhythms	World Water Day

Students' role in academic & administrative bodies:

The institute believes in giving the equal opportunity to the students in decision making for various academic and administrative processes.

The following Department/Institution committees have student members for creating effective academic ambience.

1. Internal Quality Assurance Cell (IQAC): A Student nominee in the cell to ensure quality initiatives of academic and administrative performance of the institution.
2. Women Development Cell Committee: The girl student members of the cell ensure to create awareness on equal opportunity for women.
3. Sports Committee: 2 students from each department are the members of this committee to promote sports activities to promote physical fitness.
4. Library Committee: The student members of this committee ensure to have necessary library resources and also create good learning atmosphere in the library.
5. Transport Committee: The student members of this committee strives for safe and timely arrival as well as departure of all Buses plying for students.
6. Hostel Committee: The student members acts as liaison between the administration and the students.
7. Canteen Committee: The student members collect inputs from peers along with staff members continuously monitors the hygiene and quality of the food
8. GRIET e-Magazine Committee (GeM): A solely student run club publish their creative pieces of literature and art. The magazine is a reflection of the students.
9. National Service Scheme Wing: The student members of NSS encourages fellow students to take part in social awareness activities in the neighborhood.
10. Robotic Club, Gaming Club, Quizzical, Spirals: The student members inspire young minds to be the driving force in the field of robotics, games, quizzes on current affairs.
11. Entrepreneurship Development Cell (EDC)- E-Cell, Free Software Wing: To support Startups through Training, Incubation space, Mentoring and Networking
12. Anti-Sexual Harassment Cell: The girl student members along with women staff members creates the sense of security at the study/workplace resulting in their economic empowerment and inclusive growth.

The student councils of following Professional bodies promote overall development of the students by various activities as per the student diary.

1. Computer Society of India (CSI)
2. Institute of Electrical and Electronics Engineers (IEEE)
3. Institution of Electronics and Telecommunication Engineers (IETE)
4. Indian Society for Technical Education (ISTE)
5. Hyderabad Management Association (HMA)
6. Indian Concrete Institute (ICI)
7. Indian Society of Heating, Refrigerating and Air Conditioning Engineers (ISHRAE)
8. Institution of Engineers
9. Information Systems Audit and Control Association (ISACA) Cell
10. Confederation of Indian Industry (CII)
11. National Entrepreneurship Network (NEN)
12. Society of Automotive Engineers (SAE), Society of Manufacturing Engineers (SME)

The detailed information about Student Councils/ Bodies/ Committees composition is attached in the "Any additional information" link.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

5.3.3 Average number of sports and cultural activities / competitions organised at the institution level per year

Response: 33

5.3.3.1 Number of sports and cultural activities / competitions organised at the institution level year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
36	34	33	32	30

File Description	Document
Report of the event	View Document
Number of sports and cultural activities / competitions organised per year	View Document
Any additional information	View Document

5.4 Alumni Engagement

5.4.1 The Alumni Association/Chapters (registered and functional) contributes significantly to the development of the institution through financial and non financial means during the last five years

Response:

GRIET, since its inception in 1997, has been striving to achieve and impart quality education with an emphasis on practical skills and social relevance. Over the years, many students graduated through the portals of GRIET to be the torch bearers in the society. The alumni of GRIET are now spread across the world, contributing to the society as Engineers, Teachers, Scientists and Entrepreneurs. They are the brand ambassadors of our college. GRIET Alumni Association, a registered society, acts as a vital link between them and the institution.

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

GRIET alumni contributions can be in the following manner:

- *Discussion with current students:* First-hand experiences in the challenging real life are always welcomed by graduating engineers and they will be keener to learn from their pass-out seniors and these exchanges are always fruitful. This is conducted under the heading Parampara. On an average 12-15 students will come to GRIET every year for exchanging their views with current students.
- *Guest lectures/Workshops:* Technology is always changing, and industry is always eager to encash the fruits of the latest technology. Academic syllabus always endeavors to catch up with changes in technology. Institutes try hard to fulfill the gap through value added programs in the form of guest lectures. Alumni are ideal sources for this as they understand the culture of both society and the college.
- *Financial support through alumni contribution:* Alumni of GRIET is financially contributing to college. At present till 30 June 2019 they contributed Rs 15,00,000 lakhs.
- *Labs by Alumni:* Many-a-time the alumni have specified the usage of their financial contribution in terms of lab assets or other infra items. For example, donation from Mr. Aditya Jayam of EEE branch created the B-H curve for single phase transformer experimental setup in the Electrical Machines' Lab.
- *BOS members:* GRIET alumni are part of Board of Studies (BOS) members and Internal Quality and Audit Control (IQAC) as Coopted members.
- *Jobs by Alumni/Referrals for jobs:* Alumni help their juniors by providing information about job openings in the current markets. Many-a-time alumnui themselves are part of the placement finalize groups, and some of them are established entrepreneurs and offer jobs.

- *Internship by Alumni:* Some of the alumni are providing internships assistance to the students in their ventures.
- *Alumni Feedback:* Alumni feedback are of the key inputs to strengthen the teaching and learning environment at the institute.

The Institution and the Alumni Association together have established the Distinguished Alumnus Award program in 2018 to honor the outstanding former students.

Alumni meets are a regular feature of GRIET acknowledges the alumni contributions to the college in terms of establishing alumni awards to the students in academic excellence, which are given away during Annual Day. Their contributions in the form of guest lectures, and referrals through strong networking are considered to be an appreciable wealth of the college.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

5.4.2 Alumni contribution during the last five years(INR in Lakhs) ? 15 Lakhs

10Lakhs - 15 Lakhs

5 Lakhs - 10 Lakhs

2 Lakhs - 5 Lakhs

Response: ? 15 Lakhs

File Description	Document
Any additional information	View Document
Alumni association audited statements	View Document

5.4.3 Number of Alumni Association / Chapters meetings held during the last five years

Response: 10

5.4.3.1 Number of Alumni Association /Chapters meetings held year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
2	2	2	2	2

File Description	Document
Report of the event	View Document
Number of Alumni Association / Chapters meetings conducted during the last five years	View Document
Any additional information	View Document

NAAC

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

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

Response:

Vision:

To be among the best of the institutions for engineers and technologists with attitudes, skills and knowledge and to become an epicentre of creative solutions.

Mission:

To achieve and impart quality education with an emphasis on practical skills and social relevance.

Quality Policy:

To provide an integrated learning environment to enable students to grow towards their full potential and meet the high expectations of the Industry and the Society.

Strategies:

To translate our vision into action and accomplish our mission, we strive to

- Provide state-of-art infrastructure.
- Recruit, motivate and develop high calibre multi-speciality faculty.
- Continuously review, innovate and experiment teaching methodologies and learning resources.
- Focus on research, training and consultancy through an integrated institute-industry symbiosis.

Reflection of VISION and MISSION in effective leadership of the Institution:

GRIET is established under the aegis of Gokaraju Rangaraju Educational Society (GRES) with main focus on quality education. The administration is overseen by the Gokaraju Rangaraju Educational Society (GRES). A Governing Body has been constituted as per the statutory provisions. Two faculty members (on rotation basis) are included as members of Governing body. Governing body meeting is conducted in a transparent manner.

The Governing body ensures that all decisions on the matters such as admission, new programmes, infrastructure, Teaching & Learning Process and Placements are arrived based on the strategic plan of the Institution. The implementation of the vision and strategic plan is executed with the support and with the involvement of all the stake holders.

The Institution has brought out a detailed Governance Document (Red Book) adhering to the governance practice guide of TEQIP.

The Principal ensures that all provisions of the university bye-laws, statutes and the regulations are observed. He convenes the meetings of the Academic Council, Finance Committee, IQAC, Selection Committees. He also oversees admissions of students, recruitment of faculty, program curriculum and regulations, student feedback, internal and external assessment, research and consultancy activities, placements, financial implication, course contents, co-curricular and extra-curricular activities, etc through respective Deans. Periodic meetings with all Heads of the departments will be held to discuss academic and co-cirrcular activities at institutional level.

HODs conduct departmental meetings to implement decisions taken at the institution level, discuss the requirements of various sections in the department to achieve program objectives. Head of the departments supervise department level activities like exams, R&D, projects, class work and also other extra and co-curricular activities along with the team of Professors, Associate Professors and Assistant Professors. Also conduct BOS meetings with the major stakeholders to finalize the syllabus at the departmental level.

The teachers are actively involved with all the decision-making bodies of the institution, follow the path of governance and perspective plans, in achieving the vision and mission statement of the institution.

Various institution level committees like IQAC, Placements, Library, and Sports etc consists of students and alumni as members to bring the transparency in decision making and consider their views.

All the stakeholders are actively engaged through an effective bottom-up approach feedback mechanism and are involved in decision-making process.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.1.2 The institution practices decentralization and participative management

Response:

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

Governing Body (GB), the apex body of the college meets quarterly and is involved in taking policy decisions and plays a major role in governance. The recommendations and resolutions of the GB are implemented by the various officers of the institution. The minutes of the GB and Annual Report are published on college website.

The Principal provides leadership for the academic administration and creates an effective environment conducive for learning. He serves as the executive authority responsible for running of the college as per the statutory regulations of AICTE and the University. The various other bodies including the committees continuously monitor / guide the academic and administrative activities of the college. The committees

comprise of key stakeholders including government, administrators, faculty, staff, industry, employer, alumni, parents and students.

At the department level, HoDs play a pivotal role in ensuring the smooth conduct of the academic programmes. The decentralized set up of the college gives ample opportunity for the faculty members also to serve as members / coordinators of various committees to take appropriate decisions / come out with suggestions for the betterment of academic and administrative activities. The minutes of the statutory bodies and committees are properly maintained and effective monitoring of the implementation of decisions is being undertaken. Many senior faculty members occupy pivotal administrative positions like Dean Placement Officer, IQAC, Controller of Examination etc. lead various Academic/Administrative committees.

Case Study: Implementation of outcome-based education

For ensuring quality and global recognition of GRIET programs, Outcome-Based Education (OBE) strategy is introduced since 2014. Participative framework involved collecting and reviewing of information from stakeholders. Program Assessment Committee(PAC) prepares a curriculum for the program keeping all the prominent features of OBE, namely PEOs,POs, PSOs, Courses and COs by deliberating on inputs from Program Coordinators, Module Coordinators and Course Coordinators. These coordinators in turn get inputs from all stakeholders namely students, parents, alumni, employers, regulatory authorities and professional bodies. Class coordinators also on continuous basis contribute useful pertinent inputs on curricular aspects. The curriculum prepared by PAC is approved by respective Board of Studies (BoS), which in turn get inputs from Departmental Advisory Board (DAB) on all the programs of the department and from Academic Affairs Committee (AAC) on academic regulations. Finally, it gets ratified at the institute level by Academic Council (AC), which has the university representatives as its members. PAC, BoS and AC are adequately represented by industry and academic experts as their members. After the approval from the statutory bodies, the Governing Body gave its approval for implementation from the academic year 2014. Thus, the implementation of the outcome-based education, a paradigm shift in the educational process of the college was done with the active participation of teachers, administrators and the management. The collective decision has transformed GRIET into a quality conscious institution.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.2 Strategy Development and Deployment

6.2.1 Perspective/Strategic plan and Deployment documents are available in the institution

Response:

During the last 22 years of existence, the institute has been planning meticulously to move forward in all the three dimensions of education viz., teaching, research and extension. The planning exercise involves all

stakeholders viz., students, faculty, parents, industrialists, academic peers and the management. The institute has short term goals and long-term goals. Keeping in mind the needs of the industry and society, the institute has brought out a perspective plan document which has been approved by the Governing Body and uploaded in the website. Depending on the urgency of the need and availability of resources, the prioritization is done by the Management. Governing Body reviews the strategic plan and attainment of goal / target. Suggestions from all quarters are well taken and for GRIET, the journey towards academic excellence continues with committed participation of all stakeholders.

Case Study: With vision of GRIET to emerge as an epicentre of creative solutions, which is translated into mission emphasizing on practical skills and social relevance. The institute is well aware of the need to provide an integrated learning environment to enable students to grow towards their full potential and meet the high expectations of the Industry and the Society. As early as 2012, the management embarked on a need assessment exercise with regard to laboratory and library facilities in the campus. In 2014, the departments, through the input from alumni, students and teachers submitted a list of facilities required to be created. The requirements were carefully perused and prioritized by the Committee consisting of HODs and a few senior faculty members. The administrative wing of the college consisting of Principal, Director and AO explored the financial resources in the management.

Following labs were established in the last 5 years.

ECE:

1. Software Defined Radio Lab

CSE:

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

EEE:

1. Power Systems lab
2. Power Electronics and Drives Lab
3. Digital Signal Processing Lab
4. PLC Lab
5. Power Quality Lab
6. Sensors, Measurements and Instrumentation Lab

Mechanical:

1. Research and Development Lab
2. Advance Manufacturing Process Lab

3. Tool Design Lab

Civil:

1. Advanced concrete technology lab
2. CAD lab
3. Structural design lab
4. Model testing lab
5. Numerical analysis lab
6. Computer applications in structural engineering lab
7. Advanced CAD lab

Basic Science:

1. Applied Physics Lab
2. Basic Electrical Engineering Lab
3. Engineering Graphics Lab

IT:

1. Digital Electronics Lab
2. IBM Data Analytics Lab

Special labs:

1. J-LAB
2. Oxford English Lab
3. Skill Development Center
4. LabVIEW Academy
5. CLOVE Technologies Lab
6. CISCO Academy
7. ORACLE Academy

With the augmentation of facilities, the college is turning into an epicentre for creative solutions with the faculty and students rejoicing over the facilities and the management feeling happy and contented that the facilities had contributed for significant quality enhancement.

From these New/Augmented Labs, Faculty produced 160 research papers, and 1 patent. An amount of Rs. 158 Lakhs was spent for establishing/developing the above said labs which inturn generated IRG (Internal Revenue Generation) of Rs 6.5 Lakhs along with Rs.20 Lakhs consultancy.

File Description	Document
Any additional information	View Document
Strategic Plan and deployment documents on the website	View Document
Link for Additional Information	View Document

6.2.2 Organizational structure of the institution including governing body, administrative setup, and functions of various bodies, service rules, procedures, recruitment, promotional policies as well as grievance redressal mechanism

Response:

GRIET has a well-structured administrative set-up which ensures the excellent conduct of academic programmes. The organogram gives the organizational structure that exists in the institution.

Governing Body (GB): GRIET is a self-financed institution and is governed through a Governing Body, which is responsible for its overall administration and control. The Governing Body commends and approves the Strategic Plan, Vision & Mission and the budget requisites. The GB processes the progress and monitoring of the governance of GRIET.

Academic Council (AC): The Academic Council regulates and guides all the academic matters. AC supervises the academic work of the institute, direct method(s) of instruction, evaluation, research and improvements of academic standards. The AC functions to scrutinize and approve the proposals of the Board of Studies related to programmes and their educational objectives, academic regulations, curriculum, syllabi, their objectives and outcomes and modifications, instructional and evaluation arrangements, methods, procedures etc.

Academic & Administrative Committees: Principal along with Deans supervises and maintain the academic schedule & administration in the institution.

All the academic activities at institute level are monitored by Dean Academic Affairs and can be viewed through the academic calendar, time tables of individual programmes, examination schedules and yearly college diary. The departments of the GRIET are responsible for the academic activities which include Teaching, Research and Industrial Consultancy. A number of conferences, symposia and workshops are organized by the faculty which attract participation from scholars from all corners of India and abroad. Guest lectures and industrial visits complement classroom interactions.

The rules and regulations of the college are revised periodically following the due procedures. The following policies are duly formulated, approved by the activities and uploaded in the website.

- i) Admission Policy
- ii) Recruitment Policy
- iii) Research Policy

- iv) Consultancy Policy
- v) Exam Manual
- vi) SOP – Maintenance Manual
- vii) Administrative and Financial Rules

There is a proper grievance redressal mechanism in place. For student related grievances, Dean Student Affairs is the concerned authority. The HODs and Deans form a committee and redress the grievance of the students within the prescribed time frame.

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

Detailed activities such as Promotions, Service rules, Recruitment, Discipline, etc. are available in Red Book. Policies related to Research & Consultancy are available in college website.

File Description	Document
Any additional information	View Document
Link to Organogram of the Institution webpage	View Document
Link for Additional Information	View Document

6.2.3 Implementation of e-governance in areas of operation

- 1.Planning and Development
- 2.Administration
- 3.Finance and Accounts
- 4.Student Admission and Support
- 5.Examination

All 5 of the above

Any 4 of the above

Any 3 of the above

Any 2 of the above

Response: All 5 of the above

File Description	Document
Screen shots of user interfaces	View Document
ERP Document	View Document
Details of implementation of e-governance in areas of operation Planning and Development, Administration etc	View Document
Any additional information	View Document

6.2.4 Effectiveness of various bodies/cells/committees is evident through minutes of meetings and implementation of their resolutions

Response:

The institute has number of bodies / committees for the efficient functioning of the institution. This ensures participatory approach. Decisions are taken after deliberations and mostly consensus is reached on vital issues

S.No	Major Decision	MoM date	Action taken
Governing Body			
1.	Strategic plan for 2015-2020 initiated	18-11-2014	Strategic plan for 2015-2020 framed from all stakeholders
2.	To revise GR11 and GR14 curriculums as per Outcome-Based Education (OBE)	18-11-2014	GR11 and GR14 curriculums implemented OBE
3.	NBA accreditation is applied for UG programs EEE, ME, ECE, CSE and IT	21-11-2015	UG programs EEE, ME, ECE, CSE, IT NBA accredited under Tier-1 for 30.06.2020
4.	AQAR of the IQAC 2014-15 dated 10th Oct 2015 was presented.	21-11-2015	AQAR of the IQAC 2014-15 submitted
5.	Approval for International Travel is proposed for faculty	14-12-2016	Approved and three faculty went abroad conference
6.	Expenditures for faculty attending Conferences/Workshops/FDPs are presented	25-03-2017	Expenditures for faculty attending Conferences/Workshops/FDPs are approved
7.	Approval of FIST DST project	16-11-2017	Rs 99 Lakhs sanctioned on 06-01-18 for research facilities through letter SR/FST/College-029/2017 under FIST
Academic Council			
1.	Credit policy for promotion based on credits is forwarded for amendments for GR11 and GR14 regulations	05-08-16	GR11 and GR14 regulations revised Credit policy for promotion
2.	Result analysis for 2016-17 is reviewed along with GR14 and GR15 regulations	24-06-17	The result analysis for 2016-17 is reviewed remedial actions taken

3.	Review of PEOs, POs and COs: academic regulations of GR14, GR15 and GR17	24-06-17	PEOs, POs and COs for academic GR14, GR15 and GR17 formulated
4.	Academic Alliance with foreign universities	24-06-17	MOUs made with KARABUK univ and University of Anrwerp, Belgium
5.	Adoption of AICTE recommended Curriculum	06-04-18	AICTE Curriculum is implemented fr
Finance Committee			
1.	Incentives for students based on ranks and for faculty with 100% pass percentage of teaching excellence	12-07-14	Incentives granted for all the eligibl students
2.	Proposals reviewed and allotments finalized for Budget of academic year 2016-17	15-06-15	Allotments are approved for Budget year 2016-17
3.	Review of Examination Branch fee structure	23-07-18	Fee structure revised
IQAC Cell			
1.	Preparation for NAAC accreditation: Mock Visit by external members conducted	15-09-18	Suggestions from mock team impleme
2.	NBA accreditation programs are reviewed	15-09-18	All UG & PG programs NBA accrediti
3.	Process for feedback analysis is revised	15-09-18	Revised feedback analysis is imple required action taken reports
4.	Steps taken for implementing AICTE model Curriculum	06-04-18	AICTE model Curriculum imple GR18 regulations
5.	Result analysis reviewed for M.Tech students	06-04-18	Result analysis reviewed for M.Tech remedial actions taken to improved pa of TE, PE & PS specializations.
6.	Discussed CO-PO mappings procedures	06-09-17	CO-PO mappings procedures revised all the faculty.
7.	Implementation of CBCS for academic year 2015-16, with 200 credits.	06-08-15	CBCS system implemented from AY
File Description		Document	
Any additional information		View Document	
Link for Additional Information		View Document	

6.3 Faculty Empowerment Strategies

6.3.1 The institution has effective welfare measures for teaching and non-teaching staff**Response:**

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

1. As per the norms of AICTE, 6th Pay commission recommendations are Implemented.
2. Employees are covered under EPF and Gratuity.
3. Study and Maternity leaves are sanctioned for the required staff.
4. Financial support to an extent of Rs 32.90 Lakhs provided to faculty attending conferences and workshops .
5. Incentives and seed money for best research work to an extent of Rs.161.5 Lakhs.
6. Full time Medical facility with qualified Doctor and nursing facilities are available in the institution and an ambulance is available for the staff and students.
7. Well equipped Sports and Gym facilities worth of Rs 100 Lakhs are provided for staff and family.
8. Subsidized food in canteen for teaching and non-teaching staff.
9. Group Insurance Scheme under ICICI Lombard is provided for staff.
10. Free transport for Teaching and Non-Teaching staff.
11. RO drinking water at various locations along with water dispensers
12. Pantry facility in all the departments with Refrigerator, Induction Stove, Coffee machine etc.
13. Recreation trips to all Teaching and Non-Teaching Staff.
14. Soft skill development programs for Non-Teaching Staff at no cost for individual.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.3.2 Average percentage of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the last five years

Response: 25.12

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

2018-19	2017-18	2016-17	2015-16	2014-15
150	132	41	71	45

File Description	Document
Details of teachers provided with financial support to attend conferences,workshops etc during the last five years	View Document
Any additional information	View Document

6.3.3 Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years**Response: 25.6**

6.3.3.1 Total number of professional development / administrative training programs organized by the Institution for teaching and non teaching staff year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
39	31	22	18	18

File Description	Document
Details of professional development / administrative training programs organized by the Institution for teaching and non teaching staff	View Document
Any additional information	View Document

6.3.4 Average percentage of teachers attending professional development programs viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Program during the last five years**Response: 56.8**

6.3.4.1 Total number of teachers attending professional development programs, viz., Orientation Program,

Refresher Course, Short Term Course, Faculty Development Programs year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
222	326	187	154	120

File Description	Document
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers).	View Document
IQAC report summary	View Document
Details of teachers attending professional development programs during the last five years	View Document
Any additional information	View Document

6.3.5 Institution has Performance Appraisal System for teaching and non-teaching staff

Response:

Annual staff performance appraisal system consists of appraisal by:

- (a) Students through feedback form
- (b) Head of the Department
- (c) Principal
- (d) Management

The Institution has put great emphasis on staff performance. The Annual Performance Report formats have been derived as shown hereunder:

The Faculty Appraisal Form (FAF)s are divided into different parts namely: Load – Publications – Seminars – R&D – Patents – Internal Revenue Generation (IRG) –Projects – Secondary Duties – Awards & Contributions – Self-Appraisal – Summary to be filled by the employee online (GFAP) through GCAP campus administrative portal. Review and Assessment is carried out by the respective HODs, followed by Principal. FAF is collected in the month of June every year to get their performance assessment for the previous year from April to March. After the completion of the evaluation process the duly accepted performance reports are retained with the principal. In case of adverse remarks in the Annual Performance Report, the employees are provided with training to improve efficiency.

CAS promotions for teaching staff and promotions of non-teaching staff are linked to the Annual performance assessment of the employees. The performance of employees in terms of results, student feedback, publications, consultancy, etc. are the important factors for the grant of annual increments,

performance awards, career advancement opportunities and special incentives. Adequate inputs from students, HOD and Principal are considered for appraisal.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

Response:

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

GRIET ensures that financial audits are conducted regularly. Audits are done on all the aspects of financial functioning of the institute in a systematic procedure, following all the financial policies and procedures. Final audit reports will be approved and ratified by the institution Governing Body.

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

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

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.4.2 Funds / Grants received from non-government bodies, individuals, Philanthropists during the last five years (not covered in Criterion III) (INR in Lakhs)

Response: 5.1

6.4.2.1 Total Grants received from non-government bodies, individuals, philanthropists year-wise during the last five years (INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
1.43	1.37	0.66	0.32	1.32

File Description	Document
Details of Funds / Grants received from non-government bodies during the last five years	View Document
Annual statements of accounts	View Document

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

Response:

Broadly, resource mobilization and utilization involves the following important activities:

- 1. Mobilization of funds:** Being a self – financed institute, the major source of revenue is the annual tuition fee collected from students. The fee collection for the institute follows the regulations of Telangana Admission and Fee Regulatory Committee. The fee collected will be deposited in FD (Fixed Deposits). It will be utilised as per the Institute needs decided by the finance committee. Interest on fixed deposits is also used for the developmental activities of the institution. Mobilization of funds is also carried out by the faculty in terms of Research and Development projects received from various government and non-government organizations like MHRD (TEQIP-II), DST, AICTE, UGC, MORDROBS, Industry, etc amount to an extent of Rs. 660 Lakhs. These grants are used for the procurement of major equipment, expenditure towards travel and scholarships for research scholars. Consultancy and Philanthropic contributions by the individuals are also a part of fund mobilization process that resulted in Rs. 174.31 Lakhs.
- 2. Utilization of resources:** Well established procedures are in place for the effective utilization of resources to achieve the short term and long term goals of the institution in line with the strategic plan. Planning for the utilization of funds starts from section in charges presenting their annual budget proposals keeping in view of development and updating of laboratories, computing facilities, library, teaching-learning process, training, extension activities for the coming academic year before Heads of Department. After the deliberations at the department level, HODs forward the budget requirements to the Institute Finance committee.

Institute Finance committee consisting of university representative will collect the individual budget estimations from all the departments and prepare the institute budget. The same is placed before the Finance committee and the committee in turn will deliberate and makes necessary changes for a proper balance of receipts and expenditure. This will also review the income and expenditure made in the previous year. The same will be submitted to Governing Body for approval. The Governing Body will review the budget estimates and discuss about the future planning as per strategic plan and approves the budget. Finance committee communicates the approved budget to the departments. The Finance committee will

continuously monitor the utilization of the approved budget throughout the academic year. In any unforeseen circumstances, non-budgeted amount is considered and allotted depending on the merit of the case by taking the appropriate approvals from the authorities. For the utilization of budget financial powers are delegated at various designations as per the norms.

At the end of the financial year all the income expenditure statements in line with the approved budget are audited by a chartered accountant. The audited reports are placed before the governing body for final approval.

File Description	Document
Any additional information	View Document
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

Response:

Yes, IQAC has contributed significantly to institutionalizing the quality assurance strategies and processes. IQAC plays a key role to achieve the quality assurance by regular internal audits. The following are the major focus areas of IQAC

1. Benchmarking and internal quality checks by introducing the Academic and Administrative Audit system for all academic and other administrative departments. Benchmarking helps the department to introspect and endeavour to reach out to the achievement levels of premier institutions. This has given them a right impetus to improve the quality of their publications, reach out for the alliances with the foreign universities, bid for higher grants, procedures, etc.
2. Oversees the provision of autonomy to faculty for framing the syllabus and helped the departments to reach out to the industry to update the curriculum features.
3. Periodic reviews of Course Outcomes attainment and constant reminder to department to improve COs and Pos
4. Corrective actions based on Action Taken Report of various Committees

Continuously stress the need for quality to be part of the activities at every stage and not as an add-on feature at the end.

The major quality parameters for various aspects of the institution are listed in the table given below:

S.No.	QUALITY PARAMETERS
1	No. of Placements and median salary

2	Student Feedback Analysis
3	Result Analysis
4	Participation of student in Guest Lectures/Seminars/Workshops
5	Attendance Requirement
6	Awards and recognition received by students
7	Alumni Profile
8	Faculty Performance
9	Quality of Research publications
10	Industrial Consultancy
11	Research Projects
12	Workshops /seminars /Conferences organized
13	Workshops /seminars /Conferences participated
14	IPR/Patents
15	Books published/Reviewed/Edited
16	Faculty Awards and Recognitions
17	No. of Collaborations & MOUs
18	Faculty/ Student exchange programs
19	ICT based teaching & learning process

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.5.2 The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms

Response:

The IQAC periodically reviews the teaching – learning process as well as related infrastructure. Data on working load, time table, hall allotment, etc. are collected and analysed. During these reviews, the areas for improvement/up gradation are undertaken. Some such improvements are listed below:

- Optimum utilisation of resources ensured.
- All of the classrooms are equipped with LCDs to promote good teaching and learning environment.
- Internet bandwidth is enhanced to encourage e-learning and self-learning.
- Usage of seminar halls, classrooms and tutorial rooms is enhanced, thus promoting the implementation of ICT.
- Faculty members are encouraged to adopt active learning techniques as a standard teaching pedagogy.
- The Internal Academic and Administrative Audit is carried out regularly and any shortfalls

identified are addressed from time to time.

- Some of the measures include submission of course handouts, monitoring of course delivery and assessment, remedial actions for slow learners, the timely conduct of project reviews, compliance with academic calendar and regulations and uniform course delivery and evaluation system.
- The Institute encourages collaborative learning between industry and academia as a means of reinforcing its curriculum with practical and real-world experiences. It is this emphasis, on a well-rounded education with a Technology-enabled environment that makes this institute a reputed and preferred institute.

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

OUTCOMES

1. UG and PG Programs are NBA Accredited.
2. Identifying strong, medium and low pace performers and providing suitable academic attachments and assignments improved the quality of academics.
3. Attainment of outcomes has enhanced.
4. There is a marginal improvement in the placement.
5. Increase in ICT enabled courses.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.5.3 Average number of quality initiatives by IQAC for promoting quality culture per year

Response: 12

6.5.3.1 Number of quality initiatives by IQAC for promoting quality year-wise for the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
15	9	12	14	10

File Description	Document
Number of quality initiatives by IQAC per year for promoting quality culture	View Document
Any additional information	View Document
IQAC link	View Document

6.5.4 Quality assurance initiatives of the institution include

1. Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback collected, analysed and used for improvements
2. Academic Administrative Audit (AAA) and initiation of follow up action
3. Participation in NIRF
4. ISO Certification
5. NBA or any other quality audit

Any 4 of the above

Any 3 of the above

Any 2 of the above

Any 1 of the above

Response: Any 4 of the above

File Description	Document
e-copies of the accreditations and certifications	View Document
Details of Quality assurance initiatives of the institution	View Document
Annual reports of Institution	View Document

6.5.5 Incremental improvements made during the preceding five years (*in case of first cycle*) Post accreditation quality initiatives (*second and subsequent cycles*)

Response:

- Introduction of outcome-based education.
- Need-based upgradation of the curriculum to suit industrial and societal needs.
- Introduction of 98 number of value-added courses.
- Introduction of NPTEL / Swayam / MOOC courses.
- Implementation of ICT based teaching through Moodle classroom.

- Validation of OBE elements.
- Evaluation of attainment of OBE elements.
- Complete automation of examination section.
- Change in question paper pattern based on Revised Blooms Taxonomy.
- Implementation of examination reforms.
- Imbibing of research culture in the campus (48 projects worth Rs.533 lakhs in the last 5 years, 420+ research publications).
- Setting up of Technology and Innovation Cell.
- Entrepreneur Development Cell.
- Plagiarism check.
- Evolving of Consultancy Policy which has lead to generation of Rs.174.31 lakhs.
- Implementation of meaningful outreach activities 225 numbers.
- Collaboration with premier institutions such as IIT Bombay, IIT Madras, Texas A&M University, USA, Karabuk University, Turkey, University of Antwerp, Belgium, etc.
- Augmentation of infrastructure through establishment of 31 more labs.
- Installation of surveillance camera for ensuring safety.
- Augmentation of sports facilities.
- Strengthening of the IQAC to bring quality consciousness.
- Establishment of Alumni Association and mobilization of Rs.15 lakhs from alumni.
- Setting up of 413kWp roof top solar energy plant.
- Adoption of green practices through green campus wing.
- Establishment of PRAGNYA Community radio.
- Establishment of G-CAP GRIET campus administrative portal.

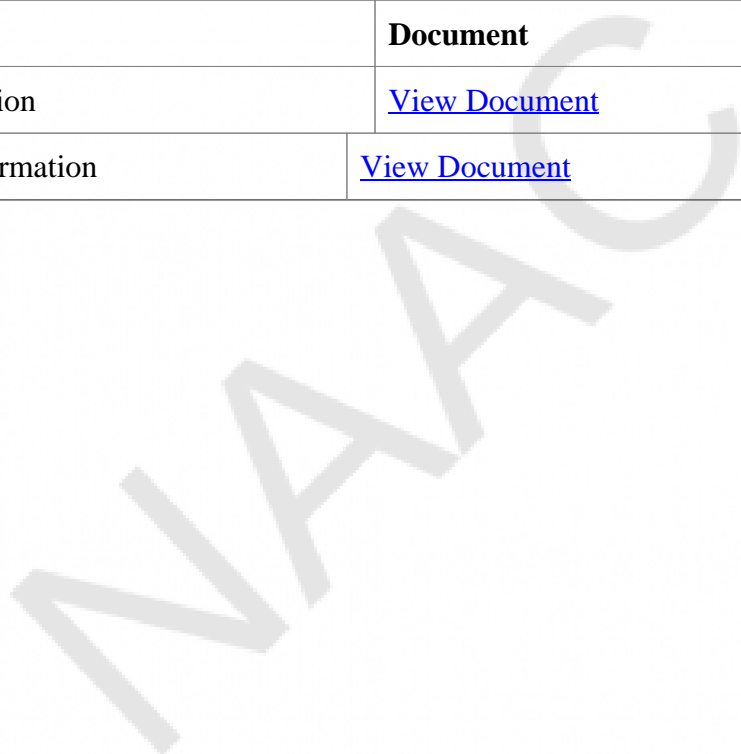
Initiatives taken based on the recommendations made in the previous NAAC accreditation:

S.No	Recommendations	Initiatives
1.	Regular interaction with Alumni be there	<ul style="list-style-type: none"> • Alumni portal is maintained in the website :http://www.eee.griet.ac.in/departement_alumni.html • Alumni meetings are organised year wise. • There are alumni nominees in different committees of the institution Academics, IQAC etc. • Funds mobilization is also done through Alumni.
2.	Regulations on academic matters to be made comprehensive and amended regularly. All stakeholders, i.e faculty, students and administrators may be guided by this in day – to – day functioning.	<ul style="list-style-type: none"> • Syllabus framing is improved by giving emphasis on selection of ele allotting more time for practical sessions. • GR14 curriculum is developed to strongly suit Outcome-Based Education (OBE). • CBCS was introduced in GR15 regulations to give academic freedom students. • Credits were revised in GR17 • GR18 (As per AICTE) curriculum is developed introduced Audit co Value Added Courses. • Internal Inspections are regularly conducted to improve academic ac course files, course registers, result analysis, budget management etc
3.	Multi-Disciplinary programmes may be introduced.	<ul style="list-style-type: none"> • Inter-disciplinary research activities are inculcated among the first y students through AAC (Advanced Academic Centre). • Projects, hackathons, technical events are encouraged on multidiscip theme.

		<ul style="list-style-type: none"> • Project Expo's by the students are conducted at department level to showcase practical skills to the stakeholders. • Students are encouraged for participation in Hackathons and Competitions to showcase multi-disciplinary talents. • Innovative projects, Multi-Disciplinary projects, Consultancy projects like Go-kart vehicle and All-terrain vehicles are encouraged as a part of Extracurricular activities. • Won 1st Prize for Book Lending Machine Project in AICTE-ECI-ISIRI Chhatravishwakarma Award Feb, 2019 • Open electives can be opted by the students across the programs. • NPTEL SWAYAM course certifications are encouraged.
4.	Campus may be made friendlier to differently abled persons.	<ul style="list-style-type: none"> • Provisions like lift, ramps, separate washrooms, rest rooms etc are provided for differently abled in the campus. • Scribe/Reader/Lab Assistants will be allowed during exams for the non-abled.
5.	Industry-linked project component to be structured into all the programs.	<ul style="list-style-type: none"> • Industry Oriented Mini Projects are introduced along with Major Projects in the Curriculum. • GRIET established incubation centres, signing MOU with BUS I Software Park on 20th Oct 2014. • GRIET signed MOU with TCS on 9th May 2015. • GRIET has MOU signed with Microsoft. • Industry based Internship programs are encouraged in all programs. • Guest Lectures from Industry, Entrepreneurship, and Industrial Visiting Professors are various activities encouraged in addition to regular academics to bridge the gap between curriculum and industrial needs.
6.	More short term skill development programmes for local population may be organized.	<ul style="list-style-type: none"> • Skill development programs like value added courses are structured and offered by the institute :http://www.griet.ac.in/Value_Added_Programs.php • 'Campus Recruitment Trainings' are initiated for improving placements. • CRT programs held by various companies like GLOBAREENA, EMERSON, FINISHING SCHOOL and MAHINDRA improved placements. • Faculty and students are certified by the courses offered by NPTEL/SWAYAM/MOOCs. • Faculty and students are also certified by CCNA, ORACLE, PHYTHON, etc.
7.	Hostel facilities may be further expanded and improved.	<ul style="list-style-type: none"> • Infrastructure, WiFi provision, transport from hostel etc are some of the areas for improvements.
8.	In house research funding for research and development through institution industry alliance.	<ul style="list-style-type: none"> • R&D policy was reviewed and revised to improve the research and development activities in the institute http://www.griet.ac.in/images/R&D%20Policy.pdf • Sponsorship and Cash incentives are approved for faculty pursuing Research Publications. • Innovative projects, Consultancy projects, etc are encouraged as a part of Extracurricular activities. • Sessions are conducted on exposure to Research publications and R&D projects. • Journal publications are encouraged and Anti-Plagiarism check through Turnitin software is done to encourage original research among the faculty. • Special Interest Groups (SIGs) are initiated to discuss and share research and do collaborative work.

9.	Entrepreneurship development skills be improved.	<ul style="list-style-type: none"> • Many projects / products are encouraged and placed through entrepreneurship development cell: http://www.griet.ac.in/edc.php; http://www.griet.ac.in/tep.php • Establishment of Incubation center J-Hub for promoting entrepreneurship students 	
10.	More frequent Industrial visits be conducted.	<ul style="list-style-type: none"> • MOUs with many industrial organizations are made and UG/PG students staff are given provisions for industrial exposure through internships visits, trainings etc :http://www.griet.ac.in/mous.php • At least one Industrial visit for all batches of UG/PG students are organized every semester to bridge the gap between curriculum and industrial requirements 	

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document



Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Number of gender equity promotion programs organized by the institution during the last five years

Response: 33

7.1.1.1 Number of gender equity promotion programs organized by the institution year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
11	8	5	5	4

File Description	Document
Report of the event	View Document
List of gender equity promotion programs organized by the institution	View Document
Any additional information	View Document

7.1.2 Institution shows gender sensitivity in providing facilities such as

- a) Safety and Security
- b) Counselling
- c) Common Room

Response:

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

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

1. Create awareness of equal opportunity for women that will ultimately lead to improved socio-economic condition of women.
2. Bring about attitudinal and behavioural change in the adolescent youth of the female gender.
3. Provide a harassment-free working atmosphere by identifying and fixing responsibility on the concerned persons for ensuring equal treatment of and participation by women in all areas.
4. Conduct programs for women to empower them financially, emotionally, mentally and physically.

5. Deal appropriately with reported cases of sexual harassment, abuse or discrimination, and initiate action on the grievances of women, through anti-sexual harassment cell.

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

1. Hiring and recruitment practices – Equally qualified people are treated equally irrespective of their gender.
2. Resource allocation – Resources are allocated on priority for woman related facilities like common room, sanitary napkins dispensing machines, separate washroom, separate canteens, CC Camera's in every Classrooms and Blocks etc.
3. Common room and separate dining area facilities have been created.
4. Participation rates – In all the programs and activities conducted in the campus it is ensured that woman participate on par with men.
5. Activity programming – Activities specific to woman are planned and hosted in the campus in order to develop the managerial skills of female faculty & students.
6. Promotional materials – They are designed in such a way that girls and women are not being excluded or stereotyped in pictures or language.
7. Gender Sensitivity Labs is offered as a mandatory course.
8. Facilities are created to cater for health and hygiene related issues typical to the gender for example sanitary napkin provision and safe disposal.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

7.1.3 Percentage of annual power requirement of the Institution met by the renewable energy sources

Response: 18.88

7.1.3.1 Annual power requirement met by renewable energy sources (in KWH)

Response: 122325.8

7.1.3.2 Total annual power requirement (in KWH)

Response: 648000

File Description	Document
Details of power requirement of the Institution met by renewable energy sources	View Document
Any additional information	View Document

7.1.4 Percentage of annual lighting power requirements met through LED bulbs

Response: 11.95

7.1.4.1 Annual lighting power requirement met through LED bulbs (in KWH)

Response: 68.148

7.1.4.2 Annual lighting power requirement (in KWH)

Response: 570.456

File Description	Document
Details of lighting power requirements met through LED bulbs	View Document
Any additional information	View Document

7.1.5 Waste Management steps including:

- Solid waste management
- Liquid waste management
- E-waste management

Response:

SOLID WASTE MANAGEMENT:

GRIET has developed and grounded environmentally sustainable Solid Waste Management through Try Bin practices. The organic wastes such as dry leaves, plant waste, shrubs and bushes waste are collected every day and are deposited in the compost pits. After forming as compost, it is used as fertilizer for the gardens in the GRIET campus.

Tri-Bin System: Collection of dry waste, wet waste and e-waste are collected separately in these three bins.

All the other solid waste from the Campus including kitchen waste is handed over to Greater Hyderabad Municipal Corporation (GHMC) garbage collecting vans. GHMC takes this waste into their garbage handling area and processes further.

In addition, an event called Big Book Collection Day is being organized with the help of GRIET Street Campus-Student Chapter in the campus, through which all the waste paper, old files, old books, etc. (for recently held collection drive - Paper waste had weighed a total 1825 Kgs) have been collected from

different blocks in the campus and is handed over to ITC Company. This drive is held once in every Semester and ITC collects this waste material at frequent intervals. This waste is used as raw material for paper manufacturing at their paper mills. Printing in the departments is managed by means of centralized printers. This minimises the paper waste.

LIQUID WASTE MANAGEMENT: GRIET has a state – of – the – art Liquid Waste Management Infrastructure. The sewage from all the blocks of GRIET is collected and channelled through an extensive network of pipelines and is finally collected at the Sewage Treatment Plant (STP) located in the campus itself. Liquid Waste from the canteen is also channelled in to the STP.

STP has an installed capacity of 100K litres per day. At present, recycling of 85% (i.e.40K litres) from the available 50K litres of wastewater generating from the campus is done. After treatment, the treated waste is recycled for the purpose of flushing in toilets & urinals. This water is also used for the lawns & gardens in the campus.

E-WASTE MANAGEMENT: E-Waste generated in the campus such as old batteries, chargers, bulbs, keyboards, computers, monitors, mobiles etc. are disposed off to the qualified local vendors. Apart from this, no hazardous e-waste material is generated in the Campus. CD's are prohibited in the campus.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

7.1.6 Rain water harvesting structures and utilization in the campus

Response:

Rain water harvesting structures and utilization in the campus

The objective of Rainwater Harvesting in GRIET is to make sure that all the rain water that falls in the campus percolates in the campus itself. Our aim is to bring zero run-off rainwater from inside the campus to outside the campus. In order to achieve this goal, the entire watershed in the 24 acres of the campus has been surveyed and mapped. In this process, all the possibility of water run-off drains/streams within the campus have been identified.

After all this groundwork, the following water harvesting structure have been constructed at suitable locations in the campus.

1. Percolation pits (**Rainwater Harvesting pits**): GRIET has constructed 4 Percolation pits within the campus.
2. Filtration wells/pits: Size of the Bore Well Recharge (Harvesting pits) pit is 2.43m x 1.82m x 1m with a capacity of approximately 2,65,711 litres for one recharge time.
3. Check Dams: Check dam is constructed in the valley near the block 4 - the size of the soil bund is 12m long with 1.5m width. During heavy rains water is collected in this valley. Masonry Check

dam is also constructed of 4m x1m across the drain path located near the Block 4. From the unpaved areas rain water is percolating into the ground itself.

4. Water rerouting channels which re-route the water into the percolation pits: As per the natural topography of the institution, inland areas act as a Natural Check Dams and lead to the Harvesting Pits. The GRIET topography is having natural channel in the form of pathways, roads and small channels which are led to Rain Water Harvesting Structures and recharges effectively.
5. Percolating Pits and Collection Tanks: Rainwater from low lying areas is collected in percolating pits. Block 4 has roof water collection tank.

Water Budget of GRIET Campus is done with help of student volunteers is summarized as below:

- Total water consumption in GRIET campus/day:**1,20,000 litres**
- Total water consumption/week:**8,40,000 litres**
- Yearly Consumption:**4,32,00,000 litres**

Total recharging of Water is **92,71 686.97 litres**

Percentage of recharging from pits is about **21.46%**

With the help of all these scientific Rainwater Harvesting techniques, we can re-charge the ground water in the campus to a great extent. The result of all these measures is that, we have managed to revive a natural stream which used to flow in the campus during the current monsoon season. stream started flowing again.

Recharge pits has each capacity of the 17000 litres (Total 51000 litres) for One-time rain. One bore well recharge about one lac litres. By recharging pits, ground water levels were increased for the respective season.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

7.1.7 Green Practices

- **Students, staff using**
 - a) **Bicycles**
 - b) **Public Transport**
 - c) **Pedestrian friendly roads**
- **Plastic-free campus**
- **Paperless office**
- **Green landscaping with trees and plants**

Response:

Institute emphasizes on Green Practices by everyone of the Campus

- GRIET encourage students and staff to use Institute / Public Transport and bicycles.
- GRIET has provided with eco-friendly pedestrian roads.
- Tree plantation along the roads
- Vehicles are parked under the natural shed (tree shade)
- Percentage of the transportation used by various categories are listed as
 - 65 % population use college bus facility
 - 18% population use private transport
 - 12% population use public transport
 - Balance 5% population stay in nearby hostels
- Plastic free GRIET Campus: plastic is not used in the campus and practices plastic ban in the campus
- Green landscaping with trees and plants - Special programs named Haritha haram and RUDEO have been constituted for plantation of trees & plants in and around the campus
- Use of battery-operated vehicle(s) in the campus
- An ERP developed in the campus, GCAP, reduces the paperwork in academics: administration, declaring results and mentoring which are done through e-services/messaging.
- Renewable Energy (Solar Power) production has increased from 100 KW to 300KW and is well connected to the Grid.
- Haritha haram, an NSS wing organizes a plantation program, supported by the State Government of Telangana by offering plants to educational institutions. 5000 saplings are distributed among the staff and students. 1500 saplings are planted within the Campus every year.
- GRIET has nominated faculty from each department to improve flora and fauna throughout the Campus in their vicinity.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

7.1.8 Average percentage expenditure on green initiatives and waste management excluding salary component during the last five years

Response: 0.59

7.1.8.1 Total expenditure on green initiatives and waste management excluding salary component year-wise during the last five years(INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
20.27	2.85	8.01	27.03	4.16

File Description	Document
Green audit report	View Document
Details of expenditure on green initiatives and waste management during the last five years	View Document
Any additional information	View Document

7.1.9 Differently abled (Divyangjan) Friendliness Resources available in the institution:

1. Physical facilities
2. Provision for lift
3. Ramp / Rails
4. Braille Software/facilities
5. Rest Rooms
6. Scribes for examination
7. Special skill development for differently abled students
8. Any other similar facility (Specify)

A. 7 and more of the above

B. At least 6 of the above

C. At least 4 of the above

D. At least 2 of the above

Response: A. 7 and more of the above

File Description	Document
Resources available in the institution for Divyangjan	View Document
Any additional information	View Document
link to photos and videos of facilities for Divyangjan	View Document

7.1.10 Number of Specific initiatives to address locational advantages and disadvantages during the last five years

Response: 24

7.1.10.1 Number of specific initiatives to address locational advantages and disadvantages year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
6	5	10	1	2

File Description	Document
Number of Specific initiatives to address locational advantages and disadvantages	View Document
Any additional information	View Document

7.1.11 Number of initiatives taken to engage with and contribute to local community during the last five years (Not addressed elsewhere)

Response: 0

7.1.11.1 Number of initiatives taken to engage with and contribute to local community year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0	0	0

File Description	Document
Report of the event	View Document
Any additional information	View Document

7.1.12

Code of conduct handbook exists for students, teachers, governing body, administration including Vice Chancellor / Director / Principal /Officials and support staff

Response: Yes

File Description	Document
Any additional information	View Document
URL to Handbook on code of conduct for students and teachers , manuals and brochures on human values and professional ethics	View Document

7.1.13 Display of core values in the institution and on its website

Response: Yes	
File Description	Document
Any additional information	View Document
Provide URL of website that displays core values	View Document

7.1.14 The institution plans and organizes appropriate activities to increase consciousness about national identities and symbols; Fundamental Duties and Rights of Indian citizens and other constitutional obligations	
Response: Yes	
File Description	Document
Details of activities organized to increase consciousness about national identities and symbols	View Document
Any additional information	View Document

7.1.15 The institution offers a course on Human Values and professional ethics	
Response: Yes	
File Description	Document
Any additional information	View Document
Provide link to Courses on Human Values and professional ethics on Institutional website	View Document

7.1.16 The institution functioning is as per professional code of prescribed / suggested by statutory bodies / regulatory authorities for different professions	
Response: Yes	
File Description	Document
Any additional information	View Document
Provide URL of supporting documents to prove institution functions as per professional code	View Document

7.1.17 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties during the last five years	
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Response: 58

7.1.17.1 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
16	12	11	11	8

File Description	Document
List of activities conducted for promotion of universal values	View Document
Any additional information	View Document

7.1.18 Institution organizes national festivals and birth / death anniversaries of the great Indian personalities

Response:

1. Swami Vivekananda Birthday – 12th January (National Youth Day)	Seminars are been arranged in the Campus as well as students are motivated to attend the Seminar arranged in Ramakrishna Math, founded by Swami Vivekananda
2. Dr. Sarvepally Radha Krishna Birthday – 05th September (Teacher's day)	Best Teachers Awards are distributed in the campus during Annual Day of GRIET
3. Indira Gandhi Birthday-19th November (National Integration day)	Students and Faculty taken a Pledge for National Integrity on the occasion of Indira Gandhi Birthday
4. Pandit Jawaharlal Nehru Birthday – 14th November (Children's day)	A Talk on "Engineering Application in Real World" , is given to Students and near by Schools
5. Abdul Kalam Birthday-15th October (World Students' Day)	Essay writing and Comprehensions are organized by Reflections Team
6. Rajiv Gandhi Birthday – 20th August (Sadbhavana Diwas)	Students and Faculty Pledge for Sadbhavana Diwas on the occasion of Rajiv Gandhi Birthday
7. Srinivasa Ramanujan Birthday - 22nd December (National Mathematics Day)	A Competition on Application of Mathematics is conducted among the first year students
8. Netaji Subhash Chandra Bose Birthday-23rd January (Desh Prem Divas)	A Talk on Freedom Fighters and Elocution on Patriotism are conducted.

9. Mahatma Gandhi Death Anniversary-30th January (Martyr's Day)	A Seminar with a Theme on "India of My Dreams" given by the Students
10. Babu Jagjivan Ram's Birthday 05th April	GRIET Parliament has been organized by Rhythms to create awareness on the functioning of the Government Acts
11. Dr. B. R. Ambedkar Birthday 14th April	Seminars has been organized with theme of "Preamble of Constitution formation Day"
12. India's hockey legend Dhyan Chand's Birthday- 29th August (National Sports Day)	Sports Competition has been organized followed with Prize distribution on Annual Day
13. Mokshagundam Visveswaraya 15th September (Engineer's Day)	Seminars and Quiz Competitions are organized and winners are awarded
14. Mahatma Gandhi Jayanti 02nd October	Elocution competition has been organized for the Students as a part of World's Non Violence Day
15. Sardar Vallabhbhai Patel--31st October (National Unity Day/Vigilance Awareness Week/)	Students are made to take Oath's/Pledge on Vigilance Awareness Week

7.1.19 The institution maintains complete transparency in its financial, academic, administrative and auxiliary functions

Response:

Finance:

The Institute has a well organised process for provision of budget for every financial year.

1. Estimated budget proposals are prepared by the departments keeping in view the enhancement of laboratory facilities, computing facilities, teaching-learning process and training.
2. Budget meetings are held in the departments to review the proposed budget and based on this, budget proposals are submitted to the Institute Finance Committee.
3. Once the budget is approved, the department receives the allocated budget towards the development activities.
4. All the financial transactions in the institution are carried out through Cheque/Demand Draft/Online mode.
5. The student fee is charged as per the State Government norms and is paid Online through the Net-Banking.

Financial Audited statements are placed on the website along with mandatory disclosures. Hence transparency is maintained.

Academic:

1. The faculty in our institute has the academic flexibility in choosing the subjects for teaching every semester. They have the freedom to select the mode of classroom delivery.
2. Academic documents such as calendar, timetables, attendance and examination schedules are placed on notice boards and web pages.
3. Internal marks are displayed on department Notice Board and students are given an opportunity to verify the evaluated papers.
4. Students have the provision to apply for revaluation and recounting.

Administrative:

1. Administrative policies and schedules are made available through Red Book & Green Book on webpage and in Library.
2. Institute has developed an e-governance portal G-CAP (GRIET Campus Administration Portal) where every individual is provided with login ID. After entering the portal data pertaining to academics, the administration can be viewed.

Auxiliary:

1. Research and Consultancy policy is kept transparent to all the stakeholders.
2. Information about the funding opportunities when released by funding agencies is circulated to provide opportunities to the faculty.
3. Training and Placement activities are mailed to all the students from time to time and the details are also uploaded on the website.
4. Student attendance is sent to the parent/guardian on a daily basis
5. All curricular and beyond curricular activities are publicised through college dairy available through a web page. Important notification is sent through e-mails and SMS. Minutes of meetings are sent to departments and made available on web page.

7.2 Best Practices

7.2.1 Describe at least two institutional best practices (as per NAAC Format)

Response:

Best Practice: 1

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

Objectives of the practice:

GRIET being a premier technical institution functions with the vision of blossoming into the best of institutions for engineers with attitudes, skills and knowledge so as to become an epicentre of creative solutions, take every effort to groom the students into the best professionals through G-CLIP Programme.

With the mission of imparting quality education with an emphasis on practical skills and social relevance, GRIET just not offers UG & PG Programmes but gives value addition to these programmes through all possible ways and means.

The Context:

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

The Practice:

Keeping the needs and aspirations of the students in mind the college is offering totally 9 number of electives to the UG Students and 6 number of electives to PG Students. The institute offers 2 laboratory courses on English Language alone, one in the first year and an Advanced English communication lab in the B.Tech III Year. In all, 98 value added courses are offered in diverse domains of engineering and technology. 6 number of courses in ME, 2 in CE, 15 in EEE, 11 in ECE, 20 in CSE, 28 in IT are offered. Out of this 98, 35 number of programmes are of international certification in nature. All these courses are carefully designed after carrying out a gap analysis and introduced following due procedures through BoS and Academic Council. About 4251 students were enrolled in 2014 which grew up-to 5110 number in 2019. In the last five years 3329 number of students were benefited through these value-added programs. Besides this, in the curriculum itself the second year of UG Programme, a unique course titled Design Thinking is offered to all students in all branches which brings out their critical thinking and problem solving skills. As part of G-CLIP another distinctive programme namely Placement training programme of 3 weeks duration is offered every semester and a UG student has to undergo 8 such training programmes. All these measures indeed help the students to enhance their competency level and make them truly professional and very much employable.

Evidence of Success:

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

- **Placements:** placements have gone up from a mere 32% in 2014 to 51% in 2018 despite the fact there is a slowdown in industrial and economic growth worldwide. In 2019, 820 graduates were placed with more than 100 students securing a gross package of Rs.6 Lakhs and more. In fact, in 2017-18, the highest paid offers were from such industrious giants like Adobe (21 Lakhs), in 2018-2019: Amazon (28.75 Lakhs), Flipkart (24 Lakhs) and 2019-20: Microsoft (41.6 Lakhs).

- **Laurels to the Institution:** GRIET has the distinction of winning 14 prizes in the state and national level competitions. The notable ones include AICTE-Chattra Vishwakarma Award (First Prize), NRDC (First Prize) Smart India Hackathon-2019 (First Prize in Software edition).
- **Student Progression:** Number of students joining in universities abroad have gone up from 15% to 21% due to the improvement in the competency level.

Problems encountered and resources required:

- Keeping pace with the technological changes and industrial needs is indeed a difficult task given the hectic academic schedules, the students and faculty have in the institution.
- Non availability of the industrial experts due to their busy schedule and high cost.
- Infrastructure requirement for certain value addition programme is quite high.
- The change in priorities of the students pose difficulties in the offering certain value addition programmes.

Best practices: 2

Title of the practice: “Social Relevance and Self Reliance”

Objectives of the practice:

OBE philosophy focuses on the attainment of Program Outcomes which are essential graduate attributes, or the behaviour transformation is expected from our graduate students. GRIET, in order to strengthen the attainment of “*Broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context*” uniquely focuses on a philosophy “SRSR”.

- To promote the role of GRIET in the empowerment of communities through the activities, such as **Street-Cause, NSS, Pragnya 90.4 FM and GRIETINK**
- To ingrain the culture of self-reliance to create confidence in solving the problems on their own.
- To become an ideal Green Campus.

The Context:

- Social-Relevance activities can improve the concentration of students towards their profession, discipline and social consciousness that will relate itself with individuals, families and communities.
- It is an effort to enhance self-reliance and over all well-being

The Practice:

Identifying problems in institute and surrounding society and being a part of the solution provider promotes self-reliance and confidence of overall personality:

- **Street Cause** strives to bring a constructive change in the life of the people with a thought “**A life without a cause is a life without an effect**”.

- **NSS** activities encourage the feeling of giving back to society through its schemes like Blood Donation camps. Interaction with under privileged sections of society.
- **PRAGNYA** (A Community Radio Station 90.4 FM) broadcasts 4 hours of transmission daily. These are non-peak time hours that suits the housewives, elders, students and teachers in our community to participate and listen to the broadcast regularly. To encourage local youth in developing their creative skills and communication skills, PRAGNYA community radio also runs a 3 month popular course “Radio Programme Production and Radio Jockeying” not only for the GRIET students but also for the youth in the community, giving them practical exposure and hands-on experience in the community radio station.
- **GRIETINK** provides a space for innovating and providing solutions for problems faced by individuals and communities.
- All lab experiments are designed in in-house, covering the broad spectrum of fundamental concepts, innovation, theory relevance, practical approach and so on.
- **G-CAP (GRIET Campus Administrative Portal)** is an in-house web-based portal as per the needs and practices of GRIET.
- Incorporation of **J-Lab** in support of JNTUH has made the students to improve their technical skills and participation in National Level Hackathons.

Evidence of success:

- Institution has been receiving the rolling shield for the highest number of blood donors in Educational Institutions category for the last ten consecutive years. This year, the award is received from her Excellency, Governor of Telangana, Hon. Dr. TAMILISAI Soundararajan.
- PRAGNYA community radio has received two meritorious certificates of appreciation for its “Community Participatory Radio Programmes on Skill Development” in connection with “Community Radio Challenge” organized by Commonwealth Educational Media Center for Asia (CEMCA) and National Skill Development Corporation (NSDC), Government of India.
- GRIET encourages the students to actively participate in government activities such as volunteering during election and extending support during natural calamities through NSS and Street Cause of GRIET.
- GRIET promotes self-reliance through distributing electronic PCB kits to the nearby school students to gain hands-on experience on basic electronic circuits and conducting skill development programmes such as communication skills.
- GRIET Electrical Engineers Club develops basic electrical skills in the students when they are in 1st Year itself, by providing an opportunity to do in-house wiring and designing basic electrical circuits.
- Internal Electricity Auditing done by the students of EEE department not only helps the students to acquire the data but also instils dignity of labour in them.
- GRIET College Administrative Portal (G-CAP), College Webpage and E-Magazine are created and maintained by the staff and the students. The various academic and other activities are automated through GRIET Campus Administration Portal (G-CAP). Attendance is updated day-to-day and parents are informed about the absentee on the day of their ward absence through G-CAP and SMS. Examination processes are controlled by GRADES of the G-CAP platform.

Problems encountered and resources required:

- As it's not a commercial radio PRAGNYA community radio will not get any financial support in the form of advertisements and it is purely run as a non-profit entity by the management to engage

local community in development process.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

7.3 Institutional Distinctiveness

7.3.1 Describe/Explain the performance of the institution in one area distinctive to its vision, priority and thrust

Response:

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

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

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

- **Industry Personnel on Advisory Boards:**

Prominent Industrialists like Sri. V. Rajanna (Senior Vice President and Global Head – Technology Business Unit, TCS), Sri Ramesh Paturi (Enterprise Strategy Advisor, Microsoft India) and Ms Medha Kabra Ghurka (Director, ThermoPads Ltd.) are in the advisory committees of GRIET. Their presence has not only impacted on the functioning of the institution but also has resulted in the augmentation of advanced facilities including Scanning Electron Microscope, setting up of Artificial Intelligence and Machine Learning Lab and has resulted in innovative courses like Design Thinking, Life Skills and Communications, Machine Learning and Deep Learning etc.,

- **Faculty with industrial experience:**

GRIET has recruited nearly 10% of its faculty with industrial experience. This has resulted in students taking up challenging projects including Weather Monitoring System, IoT in Irrigation System and Book Lending Machine.

- **Industrial Collaborative Development:**

GRIET always works in tandem with industries be it the conduct of workshops, organization of training sessions or offering of certificate courses. Of the 98 value added courses offered in GRIET 38 are offered with the participation of industries. Industrial giants like IBM, DELL-EMC, LabVIEW, BIMGRAFX,

CLOVE Technologies, ORACLE, Microsoft, ServiceNow, AWS, Oxford etc., are partners with GRIET and collaboratively offer academic programs. 10 MOU's (Analogics, CISCO, NRSC, RK Engineers, CARAT RED Technologies etc.,) have been signed exclusively for internships and field placements. This has benefited approximately 1211 number of students in the past five years.

MoU's resulted in design projects such as *Electric Tricycle for Physically Handicapped* with Master PCB, *Inventory and Analysis of Glacial Lakes and Water Bodies in the Beas, Chenab, Ravi, Satluj and Shyok sub basins* with National Remote Sensing Agency (NRSA).

- **Industrial Consultancy:**

GRIET has undertaken the task of offering solutions to the industrial problems. In the last five years Rs 1.74 crores has been earned through consultancy projects. Prominent projects include *Quality Testing of Concrete and Bitumen* under the consultancy of Greater Hyderabad Municipal Corporation (GHMC).

- **Industry Oriented Projects:**

The students of GRIET undertake industry-oriented projects for their curricular requirement. The projects developed under this are used in GRIET and supported by the nearby industry related agencies. Some of the best projects designed and used are *IoT based Irrigation System, Number Plate Recognition, Jowar Roti Making Machine, Content Based Image Retrieval, High Temperature Material Characterization Facility, Book Lending Machine, Setting up of NABL certified Civil Labs, Frame Testing Facility* and so on.

- **Incubation Centre:**

With the handholding of GRIET 20 startups have come up in the last five years. Quite a few prizes have been won by the alumni of GRIET from HYSEA, Hyderabad.

- **Contributions of Alumni:**

GRIET Alumni numbering over 9000 hold key positions both in industry and in administration nationally and globally. To mention a few among them,

- Mr Jandhyala Raghav (1997) – Senior Director of Product Management at SAP Labs for IoT and Digital Supply Chain, Arizona, United States.
- Mr Shyam Naren Bhaskara (2005) – Engineering Services Manager, Schweitzer Engineering Laboratories, United States.
- Ms Sai Sarvani Yeleswarapu (2007) – Wireless Design, Apple Pay, California.
- Ms Swetha Mohanty (2005) – IAS, District Collector, Vanaparthy, Telangana.
- Ms Spurthy Kolipaka (2007) – Telangana State UNICEF WaSH Consultant.
- Mr Pranay Sai (2012) – District Registrar Trainee, Nellore, Andhra Pradesh.
- Mr Siddharth Kukatlapalli (2013) – Co-Founder of Syntizen Technologies, Hyderabad.

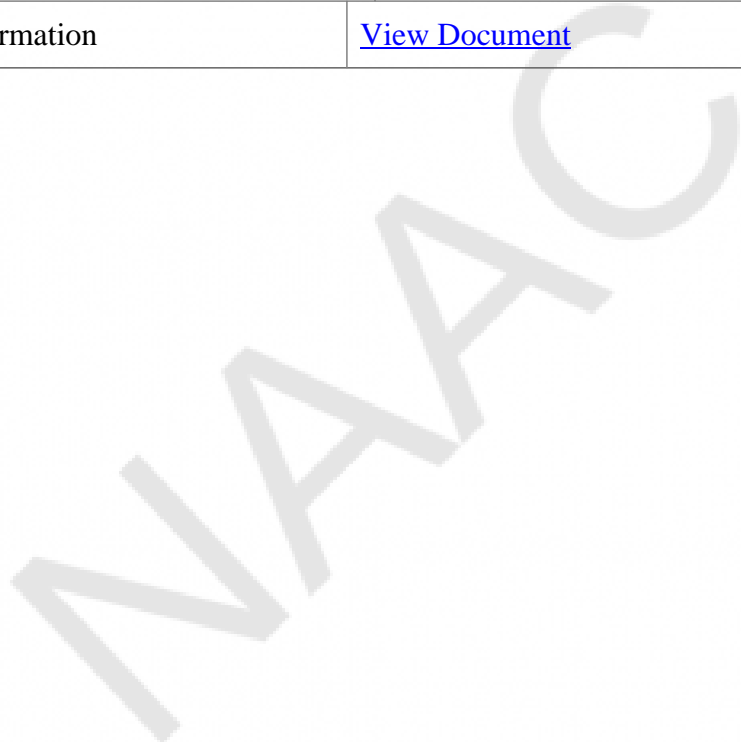
and many other alumni working under different government sectors like in irrigation department, electricity department etc.,

Thus, GRIET is uniquely positioned taking advantage of industrial potential of the twin cities – Hyderabad

and Secunderabad producing graduates who are becoming the change makers in the society. This industrial institution rapport makes us the most preferred colleges for engineering students in the state of Telangana.

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

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document



5. CONCLUSION

Additional Information :

Governing Body, ably assisted by Academic Council and Finance Committee as well as by other domain specific committees like Program Assessment Committee, Board of Studies, Discipline Committee, Women's Development Committee, Canteen Committee, Library Committee, etc receives feedback, suggestions, ideas and inputs. Thereafter, the Governing Body converts them in to policies & action plans for execution by the Principal through the HODs, Deans and Co- Ordinator's. Bottom-up approach is used so that every stake holder is part of the feedback & input process. The quality of implementation and delivery is monitored by the Internal Quality Assurance Cell (IQAC).

The institution has extensive research facilities to help students and faculty pursue research. The institution received Rs. 533 Lakhs grants from various funding agencies like DST, BRNS, AICTE, UGC, MSME for this purpose.

The placement cell, headed by Dean Placements, actively co-ordinates all the placement related activities and helps students to get placement through campus placements drives. Nearly 100% of the eligible and aspiring students get the placement. About 20% of the students opt for higher studies and hence do not opt for placements.

The institution has signed MOU with several foreign universities for students and faculty exchange and training programs. In addition, the college has signed MOUs with leading Software Companies like TCS, Analogics, IBM etc. Organizes quality enhancement programs for both students and faculty. These programs provide them an exposure to the intellectual and technical demands of the outside world.

Institutions received rolling shield from TS Governor for highest number of blood donors in Education Institutions category from 10 consecutive years.

Concluding Remarks :

GRIET is committed to quality education through academic programmes in tune with societal needs. The institution constantly strives for a teaching learning environment which is learner centric, flexible with transparency in evaluation embedded with a wide range of value added courses, multi-faceted industry engagements, enabling GRIET to be a uniquely preferred destination in this region.

Every effort is made to create the state of the art facilities for both staff and students to grow up to reach their full potential. This is vindicated by increase in publications, recognitions and placements. The institute has channelized its efforts through startups, innovations and research to address the industrial problems.

The institute has excellent rapport with its environs contributing to the development of its state through its teaching, research and extension activities. The alumni community of GRIET is constantly spreading contributing professionally both at administrative and developmental domains at regional, national and global levels. Participative and decentralized governance at the institute is due to the support and confidence of all stake holders.

GRIET resolves to be a contributing knowledge partner for the region, the nation and beyond through its mission of social relevance and practical skills.

NAAC

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification																				
1.2.1	<p>Percentage of new Courses introduced out of the total number of courses across all Programs offered during last five years</p> <p>1.2.1.1. How many new courses are introduced within the last five years Answer before DVV Verification : 1094 Answer after DVV Verification: 1089</p> <p>1.2.1.2. Number of courses offered by the institution across all programs during the last five years Answer before DVV Verification : 3305 Answer after DVV Verification: 3305</p> <p>Remark : HEI input edited as per clarification provided.</p>																				
2.4.4	<p>Percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the last five years</p> <p>2.4.4.1. Number of full time teachers receiving awards from state /national /international level from Government recognised bodies year-wise during the last five years Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> </tr> </thead> <tbody> <tr> <td>172</td> <td>271</td> <td>147</td> <td>126</td> <td>55</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> </tr> </thead> <tbody> <tr> <td>3</td> <td>3</td> <td>2</td> <td>2</td> <td>1</td> </tr> </tbody> </table> <p>Remark : HEI input edited for following reasons: Award given in 2013 cannot be considered. One Full-time teacher to be counted once for a year irrespective of number of awards or recognition in the same year. Award that are local in nature not to be considered.</p>	2018-19	2017-18	2016-17	2015-16	2014-15	172	271	147	126	55	2018-19	2017-18	2016-17	2015-16	2014-15	3	3	2	2	1
2018-19	2017-18	2016-17	2015-16	2014-15																	
172	271	147	126	55																	
2018-19	2017-18	2016-17	2015-16	2014-15																	
3	3	2	2	1																	
2.4.5	<p>Average percentage of full time teachers from other States against sanctioned posts during the last five years</p> <p>2.4.5.1. Number of full time teachers from other states year-wise during the last five years Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> </tr> </thead> <tbody> <tr> <td>255</td> <td>278</td> <td>268</td> <td>225</td> <td>208</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	2018-19	2017-18	2016-17	2015-16	2014-15	255	278	268	225	208	2018-19	2017-18	2016-17	2015-16	2014-15					
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255	278	268	225	208																	
2018-19	2017-18	2016-17	2015-16	2014-15																	

126	126	126	126	126
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Remark : HEI input edited as certificates from hyderabad cannot be considered.

3.2.1 Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution during the last five years (INR in Lakhs)

3.2.1.1. Total Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution year-wise during the last five years (INR in Lakhs)

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
122.95	188.53	50.96	16.30	154.32

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0	0	0

Remark : ca audited statements are not attached

3.2.2 Number of research centres recognised by University and National/ International Bodies

3.2.2.1. **Number of research centres recognised by University and National/ International Bodies**

Answer before DVV Verification : 13

Answer after DVV Verification: 7

Remark : HEI input edited as only centers recognized by universities can be considered.

3.2.4 Number of research projects per teacher funded, by government and non-government agencies, during the last five year

3.2.4.1. Number of research projects funded by government and non-government agencies during the last five years

Answer before DVV Verification : 48

Answer after DVV Verification: 13

Remark : HEI input edited as per provided documents. Consultancy money cannot be considered here and AICTE grant cannot be consider asa it is not for individual.

3.3.3 Number of awards for innovation won by institution/ teachers/ research scholars/students during the last five years

3.3.3.1. Total number of awards for innovation won by institution/teachers/research

scholars/students year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
30	35	77	20	7

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
1	0	0	0	0

Remark : HEI input edited as per given documents. Participation / presentation certificates in workshops / conferences etc cannot be considered. • The claims without certificate or award letter will not be considered.

3.7.1 Number of Collaborative activities for research, faculty exchange, student exchange per year

3.7.1.1. Total number of Collaborative activities for research, faculty exchange, student exchange year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
99	88	104	111	65

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
29	27	19	19	11

Remark : HEI input edited according to clarification.

3.7.2 Number of linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the last five years

3.7.2.1. Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
324	373	210	142	162

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
1	0	0	0	0

Remark : HEI input edited as proofs of linkages are not provided. Internship completion of one student or group of student cannot be considered as linkage proof between two institutes. One entry of 2019 is considered as it is the only permission letter written to student coordinator of HEI.

4.1.4 Average percentage of budget allocation, excluding salary for infrastructure augmentation during the last five years.

4.1.4.1. Budget allocation for infrastructure augmentation, excluding salary year-wise during the last five years (INR in Lakhs)

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
1100	800	800	550	500

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
122.60	122.833	404.80	150.80	46.442

Remark : HEI input edited as Recurring expenditure are not to be considered. Data pertaining to infrastructure augmentation only can be considered.

4.3.4 Facilities for e-content development such as Media Centre, Recording facility, Lecture Capturing System (LCS)

Answer before DVV Verification : Yes

Answer After DVV Verification: Yes

5.1.5 Average percentage of students benefited by Vocational Education and Training (VET) during the last five years

5.1.5.1. Number of students attending VET year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
2918	1346	1731	421	297

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
2605	1036	1150	421	297

5.3.1 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) during the last five years

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

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
27	15	11	8	6

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
5	2	0	3	4

Remark : HEI input edited as only national and international level awards can be considered here.

7.1.10 Number of Specific initiatives to address locational advantages and disadvantages during the last five years 7.1.10.1. Number of specific initiatives to address locational advantages and disadvantages year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
11	6	6	4	3

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
6	5	10	1	2

Remark : HEI input edited as per clarification and documents.

7.1.11 Number of initiatives taken to engage with and contribute to local community during the last five years (Not addressed elsewhere)

7.1.11.1. Number of initiatives taken to engage with and contribute to local community year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
11	7	9	5	6

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0	0	0

Remark : HEI input edited as initiatives considered in above metric cannot be considered here.

2.Extended Profile Deviations

Extended Profile Deviations
No Deviations

NAAC