GOKARAJU RANGARAJU

INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Autonomous)

Internal Quality Assurance Cell (IQAC) and

Submission of Annual Quality Assurance Report (AQAR)

2019 - 20

राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission
P. O. Box. No. 1075, Opp: NLSIU, Nagarbhavi, Bengaluru - 560 072 India

The Annual Quality Assurance Report (AQAR) of the IQAC
(For Autonomous Colleges)

Institutions Accredited by NAAC need to submit an Annual self-reviewed progress report i.e. Annual Quality Assurance Report (AQAR) to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the IQAC at the beginning of the Academic year. *The AQAR period would be the Academic Year. (For example, July 1, 2017 to June 30, 2018)*

Part – A

Data of the Institution
(data may be captured from IIQA)
1. Name of the Institution **GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING AND TECHNOLOGY**

- Name of the Head of the institution: **Dr. J Praveen**

- Designation: **Principal**

- Does the institution function from own campus: **Yes**

- Phone no./Alternate phone no. **7207344440/7207344441**

- Mobile no. **9652313434**

- Registered Email: **info@griet.ac.in**

- Alternate Email: **principal@griet.ac.in**

- Address   : **Bachupally, Kukatpally**

- City/Town   : **Hyderabad**

- State/UT   : **Telangana**

- Pin Code   : **500090**

2. Institutional status:
- Autonomous Status *(provide the date of Conformant of Autonomous Status):* **05.02.2014**
- Type of Institution: Co-education/Men/Women: **Co-Education**
- Location: Rural/Semi-urban/Urban: **Rural**

- Financial Status: Grants-in aid/ UGC 2f and 12 (B)/ Self financing
  UGC 2f and 12 (B)
  Self-Financing

- Name of the IQAC Co-ordinator/Director: **Mr. V. Vijayarama Raju**

- Phone no. /Alternate phone no.:

- Mobile: +**91 9440821902**

- IQAC e-mail address: **iqac@griet.ac.in**

- Alternate Email address: **info@griet.ac.in**

3. Website address: **www.griet.ac.in**

Web-link of the AQAR: (Previous Academic Year):

http://www.griet.ac.in/images2/AQAR%202018-19.pdf

4. Whether Academic Calendar prepared during the year?

Yes/No....., if yes, whether it is uploaded in the Institutional website: **Yes.**

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

5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1st	**A**	**3.15**	**2013**	from **July 2013** to **July 2018**
2nd				from: to:
3rd				from: to:
4th				from: to:
5th				from: to:

6. Date of Establishment of IQAC: DD/MM/YYYY: **01/08/2013**

7. Internal Quality Assurance System

7.1 Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & duration	Number of participants/beneficiaries
GR20 (As per AICTE) curriculum are developed to strongly suit Outcome-Based Education (OBE), Choice Based Credit System (CBCS), Open Electives System, Value Added Courses.	2019-20	300
Workshops and Training sessions are organized to improve various quality metrics.	2019-20	250

Special Interest Groups (SIGs) are initiated to discuss and share research ideas and do collaborative work.	2019-20	100
Course-based Projects are developed for the laboratory courses of every semester and are presented.	2019-20	300
Internal Inspections are regularly conducted to improve academic activities like course files, course registers, result analysis, budget management etc.	2019-20	300
Swayam Prabha Moocs offering countless courses for learners to excel in new skills is shared to all faculty and students.	2019-20	200
CCNA certification for faculty and students	2019-20	150
Active Student participation in NSS activities like Blood Donation, Eye check-up, Green Campus (Haritha-Haram)	2019-20	200

Note: Some Quality Assurance initiatives of the institution are:
   (Indicative list)

- *Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback from all stakeholders collected, analysed, and used for improvements.*
- *Academic Administrative Audit (AAA) conducted and its follow up action.*

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	*Yes*	*Dr. Sethuraman*	*Yes*	*Interdepartmental*
Administrative	*Yes*	*Dr. Sethuraman*	*Yes*	*Interdepartmental*

- *Participation in NIRF: YES*
- *ISO Certification: NO*
- *NBA etc.: YES*
- *Any other Quality Audit*

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8. Provide the list of Special Status conferred by Central/ State Government-

UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/ Department/Faculty	Scheme	Funding agency	Year of award with duration	Amount in Rs. Lakh

9. Whether composition of IQAC as per latest NAAC guidelines: Yes/No: **YES**

   *upload latest notification of formation of IQAC

10. No. of IQAC meetings held during the year: **2.**

The minutes of IQAC meeting and compliance to the decisions have been uploaded on the institutional website: **Yes.**

   (Please upload, minutes of meetings and action taken report)

11. Whether IQAC received funding from any of the funding agency to support its activities during the year?   Yes   No ✔

             If yes, mention the amount: Year:

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

- NBA Accreditation for all PG Programs

- Participation in NIRF

- Participation in various Hackathons and won Prizes.

- Introduced ICT enabled classrooms.

- NPTEL/SWAYAM/MOOCS certification courses by faculty and students.

13. Plan of action chalked out by the IQAC in the beginning of the Academic year towards

   Quality Enhancement and the outcome achieved by the end of the Academic year

Plan of Action	Achievements/Outcomes
Participation in various Hackathons	won Prizes
NBA Accreditation	100% Accredited'
Participation of Faculty and Students in various NPTEL Courses	Awarded Certificates

14. Whether the AQAR was placed before statutory body?   Yes /No: **YES**

   Name of the statutory body: **Governing Body**   Date of meeting(s): 19 December 2020

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning?
   Yes/No: YES   Date: 2019

16. Whether institutional data submitted to AISHE: Yes/No: YES

        Year: 2019-20   Date of Submission: 11/01/2020

17. Does the Institution have Management Information System? **Yes**
If yes, give a brief description and a list of modules currently operational. (Maximum 500 words)

GRIET Campus Administration portal

GRIET College Administrative Portal (GCAP), college webpage and e-magazine created and maintained by staff and students. The various academic and other activities are automated through GCAP. Attendance is updated daily, and the parents are informed about the absentee on the day of their absence through GCAP and SMS.

The College adopts mentoring procedure through which each instructor is assigned twenty (20) students, who provides counseling catering their emotional, physical, inspirational needs and guidance on information regarding opportunities that exist in their discipline. This mentoring process is also routed through GCAP to have the complete history of the student.

The online evaluation feedback of teaching learning by students is done at least twice in a semester.

From the day of commencing the internal examination, four days are given for marks entry into GCAP. In conjunction with the mid examination, lab internal examination is conducted once in a semester to evaluate the students' level of practicality, problem-solving skills. Internal assessment includes marks for the record, viva and program write up as well as execution. All the marks are published in GCAP.

Highlights of GCAP:

 1.It is an initiative by GIG (GRIET Information Group) to design a highly customized integrated online portal.

2. it's a web-based portal as per the needs and practices of GRIET.

3. It can be accessed from anywhere on/off the campus. (http://www.griet.in/gcap/login.php)

Post-Examination Process

The answer scripts are evaluated by the expertise in subject from reputed institutions. The results are declared by Results Committee which has JNTUH Nominee. GRIET takes around 4 weeks to declare the results right from the date of commencement of the examination. Finally, marks memos and certificates are printed. All the above processes controlled by GRADES of the GCAP platform.

Library is automated in 2017 with Integrated Library Management System (ILMS). The library uses 16.5 Version Koha, a web-based Integrated Library System with a SQL database back end with cataloging data stored in MARC. It's a fully automated Library Management Information System that supports in-house operations of the Library.

G.R.I.E.T. has an Alumni Association, registered under Society's Registration Act, 1860. Membership to the alumni association is through GCAP.

All the accounts and financial issues are monitored through GCAP finance module.

Part-B

CRITERION I – CURRICULAR ASPECTS

1.1 Curriculum Design and Development

1.1.1 Programmes for which syllabus revision was carried out during the Academic year

Name of programme	Programme Code	Dates of revision
B. Tech Civil Engineering	1	2018
M. Tech Structural Engineering	20	2018
B. Tech Mechanical Engineering	3	2018
M. Tech Design for Manufacturing	51	2018
M. Tech Thermal Engineering	21	2018
B. Tech Electrical & Electronics Engineering	2	2018
M. Tech Power Electronics	43	2018
M. Tech Power Systems	83	2018
B. Tech Electronics and Communication Engineering	4	2018
M. Tech Embedded Systems	55	2018
M. Tech VLSI	57	2018
B. Tech Computer Science and Engineering	5	2018
M. Tech Software Engineering	25	2018
M. Tech Computer Science and Engineering	48	2018
B. Tech Information Technology	12	2018

1.1.2 Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Date of Introduction	Course Name	Course Code	Date of Introduction
1	2018	Liner Algebra and Differential calculus	GR18A1001	2018
1	2018	Differential equation and vector calculus	GR18A1002	2018
1	2018	Engineering Physics	GR18A1004	2018
1	2018	Engineering Chemistry	GR18A1005	2018
1	2018	English	GR18A1006	2018
1	2018	Programming for Problem	GR18A1007	2018

		Solving		
1	2018	Engineering Mechanics	GR18A1009	2018
1	2018	Engineering Graphics	GR18A1010	2018
1	2018	Engineering Physics Lab	GR18A1012	2018
1	2018	English Language and Communication Skills	GR18A1014	2018
1	2018	Engineering Workshop	GR18A1017	2018
1	2018	Environmental Science	GR18A2001	2018
1	2018	Value Education Ethics and Gender Culture	GR18A2002	2018
1	2018	Computational Mathematics for Engineers	GR18A2006	2018
1	2018	Building Materials and Construction Planning	GR18A2007	2018
1	2018	Engineering Geology	GR18A2008	2018
1	2018	Solid Mechanics – I	GR18A2009	2018
1	2018	Introduction to Fluid Mechanics	GR18A2010	2018
1	2018	Pavement Materials	GR18A2011	2018
1	2018	Solid Mechanics Lab	GR18A2013	2018
1	2018	Solid Mechanics – II	GR18A2014	2018
1	2018	Basics of Electrical & Electronics Engineering	GR18A2015	2018
1	2018	Mechanical Engineering	GR18A2016	2018
1	2018	Surveying & Geomatics	GR18A2017	2018
1	2018	Hydraulic Engineering	GR18A2018	2018
1	2018	Structural Analysis –I	GR18A2019	2018
1	2018	Surveying Lab	GR18A2020	2018
1	2018	Computer Aided Design Lab	GR18A2021	2018

1	2018	Fluid Mechanics & Hydraulic Machinery Lab	GR18A2022	2018
1	2017	Advanced English Communication Skills Lab	GR17A3100	2017
1	2017	Advanced Reinforced concrete Structural Design	GR17A3112	2017
1	2017	Advanced Structural Analysis	GR17A3004	2017
1	2017	Advanced Water Resources Engineering	GR17A3108	2017
1	2017	Air Pollution and Control Engineering	GR17A3114	2017
1	2015	Geotechnical Engineering-II	GR15A4001	2015
1	2015	Estimating & Costing	GR15A4002	2015
1	2015	Environmental Engineering	GR15A4003	2015
1	2015	Ground Water Development & Management	GR15A4004	2015
1	2015	Prestressed Concrete	GR15A4005	2015
1	2015	Finite Element Methods	GR15A4007	2015
1	2015	Ground Improvement Techniques	GR15A4009	2015
1	2015	Irrigation Design & Drawing	GR15A4010	2015
1	2015	Environmental Engineering Lab	GR15A4011	2015
1	2015	Computer Applications in Structural Engineering (CASE) Lab	GR15A4012	2015
1	2015	Construction Technology & Project Management	GR15A4013	2015
1	2015	Pavement Analysis & Design	GR15A4015	2015
1	2015	Water Shed Management	GR15A4016	2015
1	2015	Remote Sensing & GIS	GR15A4017	2015

1	2015	Airport, Docs & Harbour Engineering	GR15A4018	2015
1	2015	GIS Lab	GR15A4020	2015
1	2015	Advanced Steel Structural Design	GR15A4145	2015
2	2018	Liner Algebra and Differential calculus	GR18A1001	2018
2	2018	Differential equation and vector calculus	GR18A1002	2018
2	2018	Applied Physics	GR18A1003	2018
2	2018	Engineering Chemistry	GR18A1005	2018
2	2018	English	GR18A1006	2018
2	2018	Basic Electrical Engineering	GR18A1008	2018
2	2018	Applied Physics Lab	GR18A1011	2018
2	2018	English Language and Communication Skills	GR18A1014	2018
2	2018	Basic Electrical Engineering Lab	GR18A1016	2018
2	2018	Environmental Science	GR18A2001	2018
2	2018	Value Education Ethics and Gender Culture	GR18A2002	2018
2	2018	Probability & Statistics	GR18A2005	2018
2	2018	Electrical Circuit Analysis	GR18A2023	2018
2	2018	Analog Electronic Circuits	GR18A2024	2018
2	2018	Electrical Machines – I	GR18A2025	2018
2	2018	Electromagnetic Fields	GR18A2026	2018
2	2018	Analog Electronic Circuits Lab	GR18A2028	2018
2	2018	Electrical Machines – I Lab	GR18A2029	2018
2	2018	Digital Electronics	GR18A2030	2018
2	2018	Electrical Machines – II	GR18A2031	2018

2	2018	Control Systems	GR18A2032	2018
2	2018	Electrical Machines – II Lab	GR18A2034	2018
2	2018	Control Systems Lab	GR18A2035	2018
2	2018	Signals and Systems	GR18A2052	2018
2	2017	Operational Amplifiers	GR17A3015	2017
2	2017	Power Transmission System	GR17A3016	2017
2	2017	Electrical Measurements and Instrumentation	GR17A3017	2017
2	2017	Power Electronics	GR17A3018	2017
2	2017	Sensors, Measurements and Instrumentation Lab	GR17A3019	2017
2	2017	Power Electronics Lab	GR17A3020	2017
2	2017	Computer Methods in Power Systems	GR17A3021	2017
2	2017	Switch Gear and Protection	GR17A3022	2017
2	2017	Utilization of Electrical Energy	GR17A3023	2017
2	2017	Non-Conventional Sources of Energy	GR17A3024	2017
2	2017	Power Systems Lab	GR17A3025	2017
2	2017	Advanced English Communication Skills Lab	GR17A3100	2017
2	2017	Management Science	GR17A3102	2017
2	2017	Neural and Fuzzy Systems	GR17A3106	2017
2	2017	Solar and Wind Energy Systems	GR17A3152	2017
2	2017	Sensors & Transducers	GR17A3162	2017
2	2015	Power Semiconductor Drives	GR15A4022	2015
2	2015	Power System Operation And Control	GR15A4023	2015
2	2015	HVDC Transmission	GR15A4024	2015

2	2015	Electrical Distribution Systems	GR15A4026	2015
2	2015	DSP Based Electrical Lab	GR15A4027	2015
2	2015	Power System Simulation Lab	GR15A4028	2015
2	2015	Power Electronics And Drives Lab	GR15A4029	2015
2	2015	Programmable Logic Controllers	GR15A4030	2015
2	2015	Power System Automation	GR15A4031	2015
2	2015	Flexible AC Transmission Systems	GR15A4032	2015
2	2015	EHV AC Transmission	GR15A4035	2015
2	2015	Modern Power Electronics	GR15A4036	2015
2	2015	Advanced Control Systems	GR15A4037	2015
2	2015	Programmable Logic Controllers Lab	GR15A4038	2015
2	2015	High Voltage Engineering	GR15A4147	2015
2	2015	Principles of signal processing	GR15A4148	2015
2	2015	DSP Based Electromechanical Systems	GR15A4149	2015
2	2015	Soft Computing Techniques	GR15A4162	2015
3	2018	Liner Algebra and Differential calculus	GR18A1001	2018
3	2018	Differential equation and vector calculus	GR18A1002	2018
3	2018	Engineering Physics	GR18A1004	2018
3	2018	Engineering Chemistry	GR18A1005	2018
3	2018	English	GR18A1006	2018
3	2018	Programming for Problem Solving	GR18A1007	2018
3	2018	Engineering Mechanics	GR18A1009	2018

3	2018	Engineering Graphics	GR18A1010	2018
3	2018	Engineering Physics Lab	GR18A1012	2018
3	2018	English Language and Communication Skills	GR18A1014	2018
3	2018	Engineering Workshop	GR18A1017	2018
3	2018	Environmental Science	GR18A2001	2018
3	2018	Value Education Ethics and Gender Culture	GR18A2002	2018
3	2018	Value Education Ethics and Gender Culture	GR18A2002	2018
3	2018	Probability & Statistics	GR18A2005	2018
3	2018	Computer Aided Design Lab	GR18A2021	2018
3	2018	Applied Thermodynamics	GR18A2044	2018
3	2018	Fluid Mechanics and Fluid Machines	GR18A2045	2018
3	2018	Kinematics of Machinery	GR18A2046	2018
3	2018	Manufacturing Process	GR18A2047	2018
3	2018	Thermal Engineering Lab	GR18A2048	2018
3	2018	Manufacturing Process Lab	GR18A2049	2018
3	2018	Fluid Mechanics and Fluid Machines Lab	GR18A2050	2018
3	2017	Machine Design	GR17A3026	2017
3	2017	Dynamics of machinery	GR17A3028	2017
3	2017	Machine Tools	GR17A3029	2017
3	2017	Thermal Engineering Lab	GR17A3030	2017
3	2017	Machine Tools Lab	GR17A3031	2017
3	2017	Design of Machine Members	GR17A3032	2017
3	2017	Heat Transfer	GR17A3033	2017
3	2017	Metrology and Surface	GR17A3034	2017

		Engineering		
3	2017	Industrial Management	GR17A3035	2017
3	2017	Mechatronics	GR17A3037	2017
3	2017	Power Plant Engineering	GR17A3038	2017
3	2017	Heat Transfer Lab	GR17A3039	2017
3	2017	Metrology Lab	GR17A3040	2017
3	2017	Advanced English Communication Skills Lab	GR17A3100	2017
3	2017	Industry Oriented Mini Project	GR17A3101	2017
3	2017	Applied Thermodynamics	GR17A3153	2017
3	2017	Automobile Engineering	GR17A3163	2017
3	2015	Basic Finite Element Methods	GR15A4039	2015
3	2015	CAD/CAM	GR15A4040	2015
3	2015	Flexible Manufacturing Systems	GR15A4042	2015
3	2015	Robotics	GR15A4043	2015
3	2015	Instrumentation and control systems	GR15A4044	2015
3	2015	Un-conventional Machining Processes	GR15A4045	2015
3	2015	Renewable Sources of Energy	GR15A4046	2015
3	2015	Computational Fluid Dynamics	GR15A4047	2015
3	2015	Computer Aided Design Lab	GR15A4048	2015
3	2015	Instrumentation and Control Systems Lab	GR15A4049	2015
3	2015	Production Drawing Practice	GR15A4050	2015
3	2015	Refrigeration and Air Conditioning	GR15A4051	2015
3	2015	Production Planning and Control	GR15A4052	2015

3	2015	Plant Layout and Material Handling	GR15A4053	2015
3	2015	Tribology	GR15A4054	2015
3	2015	Mechanical Vibrations	GR15A4055	2015
3	2015	Nuclear Power Plant Engineering	GR15A4056	2015
3	2015	Optimization Techniques	GR15A4057	2015
3	2015	CAM and Simulation Lab	GR15A4058	2015
4	2018	Liner Algebra and Differential calculus	GR18A1001	2018
4	2018	Differential equation and vector calculus	GR18A1002	2018
4	2018	Applied Physics	GR18A1003	2018
4	2018	Engineering Chemistry	GR18A1005	2018
4	2018	English	GR18A1006	2018
4	2018	Programming for Problem Solving	GR18A1007	2018
4	2018	Applied Physics Lab	GR18A1011	2018
4	2018	English Language and Communication Skills	GR18A1014	2018
4	2018	Environmental Science	GR18A2001	2018
4	2018	Value Education Ethics and Gender Culture	GR18A2002	2018
4	2018	Constitution of India	GR18A2003	2018
4	2018	Economics and Accounting for Engineers	GR18A2004	2018
4	2018	Computational Mathematics for Engineers	GR18A2006	2018
4	2018	Digital Electronics	GR18A2030	2018
4	2018	Control Systems	GR18A2032	2018
4	2018	Electronic Devices and Circuits	GR18A2051	2018

4	2018	Signals and Systems	GR18A2052	2018
4	2018	Network Analysis and Transmission Lines	GR18A2054	2018
4	2018	Electronic Devices and Circuits Lab	GR18A2055	2018
4	2018	Signals and Systems Lab	GR18A2056	2018
4	2018	Electromagnetic Fields and Waves	GR18A2057	2018
4	2018	Analog and Digital Communications	GR18A2058	2018
4	2018	Analog and Pulse Circuits	GR18A2059	2018
4	2018	Micro Processors and Microcontrollers	GR18A2060	2018
4	2018	Principles of Operating Systems	GR18A2061	2018
4	2018	Analog and Digital Communications Lab	GR18A2062	2018
4	2018	Analog and pulse circuits Lab	GR18A2063	2018
4	2018	Microprocessors and Microcontrollers Lab	GR18A2064	2018
4	2017	Digital Communications	GR17A3041	2017
4	2017	Antennas and Wave Propagation	GR17A3042	2017
4	2017	VLSI Design	GR17A3043	2017
4	2017	VLSI Design Lab	GR17A3044	2017
4	2017	Digital Communications Lab	GR17A3045	2017
4	2017	Digital Signal Processing	GR17A3046	2017
4	2017	Microwave Engineering	GR17A3048	2017
4	2017	Digital Signal Processing Lab	GR17A3049	2017
4	2017	Software Engineering	GR17A3057	2017
4	2017	Embedded Systems Design	GR17A3070	2017

4	2017	Advanced English CommunicationSkills Lab	GR17A3100	2017
4	2017	Industry Oriented Mini Project	GR17A3101	2017
4	2017	Management Science	GR17A3102	2017
4	2017	Linear Control Systems	GR17A3104	2017
4	2017	System Modeling and Simulation	GR17A3109	2017
4	2017	Information Theory and Coding	GR17A3110	2017
4	2015	Electronic Measurements and Instrumentation	GR15A4059	2015
4	2015	Cellular Mobile Communications	GR15A4060	2015
4	2015	Optical Communications	GR15A4061	2015
4	2015	Wireless Communication and Networks	GR15A4063	2015
4	2015	Microwave Engineering Lab	GR15A4066	2015
4	2015	Communication Protocols Lab	GR15A4067	2015
4	2015	Embedded Systems Lab	GR15A4068	2015
4	2015	Digital Image Processing	GR15A4069	2015
4	2015	Radar Systems	GR15A4070	2015
4	2015	Digital Signal Processors and Architectures	GR15A4072	2015
4	2015	Digital Image Processing Lab	GR15A4076	2015
4	2015	Seminar	GR15A4143	2015
4	2015	Major Project	GR15A4144	2015
4	2015	Modern Control Systems	GR15A4150	2015
4	2015	Audio and Video Engineering	GR15A4152	2015
4	2015	Radio Navigational Aids	GR15A4153	2015
4	2018	Liner Algebra and Differential	GR18A1001	2018

		calculus		
4	2018	Differential equation and vector calculus	GR18A1002	2018
4	2018	Applied Physics	GR18A1003	2018
4	2018	Engineering Chemistry	GR18A1005	2018
4	2018	English	GR18A1006	2018
4	2018	Applied Physics Lab	GR18A1011	2018
4	2018	English Language and Communication Skills	GR18A1014	2018
4	2018	Environmental Science	GR18A2001	2018
4	2018	Value Education Ethics and Gender Culture	GR18A2002	2018
4	2018	Probability & Statistics	GR18A2005	2018
4	2018	Control Systems	GR18A2032	2018
4	2018	Open Source Lab	GR18A2069	2018
4	2017	Unix and Shell Programming	GR17A3050	2017
4	2017	Compiler Design	GR17A3051	2017
4	2017	Principles of Programming Languages	GR17A3053	2017
4	2017	Advanced Java Programming Lab	GR17A3054	2017
4	2017	Unix Programming and Compiler Design Lab	GR17A3055	2017
4	2017	Design and Analysis of Algorithms	GR17A3056	2017
4	2017	Software Engineering	GR17A3057	2017
4	2017	Information Security	GR17A3058	2017
4	2017	Web Technologies	GR17A3059	2017
4	2017	Artificial Intelligence and Neural Networks	GR17A3061	2017

4	2017	Multicore Computing and Architecture	GR17A3062	2017
4	2017	Web Technologies Lab	GR17A3063	2017
4	2017	Data warehousing and Data mining	GR17A3067	2017
4	2017	Computer Graphics	GR17A3069	2017
4	2017	Advanced English Communication Skills Lab	GR17A3100	2017
4	2017	Management Science	GR17A3102	2017
4	2017	Introduction to Data Sciences	GR17A3107	2017
4	2017	Big Data Analytics	GR17A3111	2017
4	2017	Principles of E- Commerce	GR17A3154	2017
12	2018	Liner Algebra and Differential calculus	GR18A1001	2018
12	2018	Differential equation and vector calculus	GR18A1002	2018
12	2018	Applied Physics	GR18A1003	2018
12	2018	Engineering Chemistry	GR18A1005	2018
12	2018	English	GR18A1006	2018
12	2018	Programming for Problem Solving	GR18A1007	2018
12	2018	Applied Physics Lab	GR18A1011	2018
12	2018	English Language and Communication Skills	GR18A1014	2018
12	2018	Environmental Science	GR18A2001	2018
12	2018	Value Education Ethics and Gender Culture	GR18A2002	2018
12	2018	Probability & Statistics	GR18A2005	2018
12	2018	Digital Logic Design	GR18A2065	2018
12	2018	Data Structures	GR18A2066	2018

12	2018	Database Management Systems	GR18A2068	2018
12	2018	Data Structures Lab	GR18A2071	2018
12	2018	Database Management Systems Lab	GR18A2072	2018
12	2018	Computer Organization	GR18A2073	2018
12	2018	Operating systems	GR18A2074	2018
12	2018	Java Programming	GR18A2075	2018
12	2018	Java Programming Lab	GR18A2079	2018
12	2018	Data Communication & Computer Networks	GR18A2080	2018
12	2018	Operating systems and Sci Lab	GR18A2081	2018
12	2018	Data Communication & Computer Networks Lab	GR18A2082	2018
12	2018	Design Thinking	GR18A2083	2018
12	2017	Design & Analysis of Algorithms	GR17A3056	2017
12	2017	Software Engineering	GR17A3057	2017
12	2017	Information Security	GR17A3058	2017
12	2017	Web Technologies	GR17A3059	2017
12	2017	Scripting Languages	GR17A3060	2017
12	2017	Artificial Intelligence and Neural Networks	GR17A3061	2017
12	2017	Web Technologies Lab	GR17A3063	2017
12	2017	Distributed Databases and Systems	GR17A3068	2017
12	2017	Computer Graphics	GR17A3069	2017
12	2017	Embedded Systems	GR17A3070	2017
12	2017	Compiler Design and Unified Modelling Language Lab	GR17A3071	2017

12	2017	Advanced Linux Programming Lab	GR17A3072	2017
12	2017	Management Science	GR17A3102	2017
12	2017	Advanced Linux Programming	GR17A3103	2017
12	2015	Mobile Application Development	GR15A4082	2015
12	2015	Scripting Languages Lab	GR15A4084	2015
12	2015	Design Patterns	GR15A4090	2015
12	2015	E-Commerce	GR15A4091	2015
12	2015	Semantic Web and Social Networks	GR15A4094	2015
12	2015	Network Programming	GR15A4098	2015
12	2015	Middleware Technologies Lab	GR15A4099	2015
12	2015	Animations Lab	GR15A4100	2015
12	2015	Software Project Management	GR15A4101	2015
12	2015	Adhoc Sensor Networks	GR15A4102	2015
12	2015	Middleware Technologies	GR15A4104	2015
12	2015	Mobile Application Development Lab	GR15A4105	2015
12	2015	Business Intelligence	GR15A4165	2015
20	2018	Research Methodology and IPR	GR18D5012	2018
20	2018	Matrix Methods In Structural Analysis	GR18D5164	2018
20	2018	Advanced Solid Mechanics	GR18D5165	2018
20	2018	Advanced Concrete Technology	GR18D5166	2018
20	2018	Theory and Applications of Cement Composites	GR18D5167	2018
20	2018	Theory of Structural Stability	GR18D5168	2018

20	2018	Analytical and Numerical Methods for Structural Engineering	GR18D5169	2018
20	2018	Structural Health Monitoring	GR18D5170	2018
20	2018	Structural Optimization	GR18D5171	2018
20	2018	Structural Design Lab	GR18D5172	2018
20	2018	Advanced Concrete Lab	GR18D5173	2018
20	2018	FEM Structural engineering	GR18D5174	2018
20	2018	Structural Dynamics	GR18D5175	2018
20	2018	Advanced Steel Design	GR18D5176	2018
20	2018	Design of Formwork	GR18D5177	2018
20	2018	Design of High Rise Structures	GR18D5178	2018
20	2018	Design of Masonry Structures	GR18D5179	2018
20	2018	Design of Advanced Concrete Structures	GR18D5180	2018
20	2018	Advanced Design of Foundations	GR18D5181	2018
20	2018	Soil Structure Interaction	GR18D5182	2018
20	2018	Design of Industrial Structure	GR18D5183	2018
20	2018	Model Testing Lab	GR18D5184	2018
20	2018	Numerical Analysis Lab	GR18D5185	2018
20	2018	Design of Pre-stressed Concrete Structures	GR18D5186	2018
20	2018	Analysis of Laminated Composite Plates	GR18D5187	2018
20	2018	Fracture Mechanics of Concrete Structures	GR18D5188	2018
20	2018	Theory of Thin Plates and Shells	GR18D5189	2018
20	2018	Composite Materials	GR18D5205	2018

21	2018	Research Methodology and IPR	GR18D5012	2018
21	2018	Optimization Techniques	GR18D5140	2018
21	2018	Thermodynamics and Combustion	GR18D5141	2018
21	2018	Advanced Fluid Dynamics	GR18D5142	2018
21	2018	Nuclear Engineering	GR18D5143	2018
21	2018	Energy Conservation and Management	GR18D5144	2018
21	2018	Micro/Nano scale heat transfer	GR18D5145	2018
21	2018	Air Conditioning System Design	GR18D5146	2018
21	2018	Gas Turbines	GR18D5147	2018
21	2018	Theory of Heat pipes	GR18D5148	2018
21	2018	Thermal Engineering Lab-I	GR18D5149	2018
21	2018	Thermal Engineering Lab-II	GR18D5150	2018
21	2018	Advanced Heat Transfer	GR18D5151	2018
21	2018	Steam Engineering	GR18D5152	2018
21	2018	Refrigeration and cryogenics	GR18D5153	2018
21	2018	Design of Heat Exchangers	GR18D5154	2018
21	2018	Convective Heat Transfer	GR18D5155	2018
21	2018	Computational Fluid Dynamics	GR18D5156	2018
21	2018	Modelling of IC Engines	GR18D5157	2018
21	2018	Numerical Simulation and Modelling of Turbulent flows	GR18D5158	2018
21	2018	Thermal Engineering Lab-III	GR18D5159	2018
21	2018	Thermal Engineering Lab-IV	GR18D5160	2018
21	2018	Design of Solar and Wind System	GR18D5161	2018

21	2018	Advanced Mathematical Methods in Engineering	GR18D5162	2018
21	2018	Industrial Safety	GR18D5202	2018
21	2018	Pedagogy Studies	GR18D5212	2018
25	2018	Advanced Data Structures	GR18D5002	2018
25	2018	Advanced Data Mining	GR18D5003	2018
25	2018	Research Methodology and IPR	GR18D5012	2018
25	2018	Advanced Data Structures lab	GR18D5013	2018
25	2018	Machine Learning and Applications	GR18D5014	2018
25	2018	Data Analytics	GR18D5018	2018
25	2018	Advanced Computer Networks	GR18D5021	2018
25	2018	Machine Learning and Applications Lab	GR18D5025	2018
25	2018	Information Storage and Retrieval	GR18D5027	2018
25	2018	Software Requirements & Estimation	GR18D5029	2018
25	2018	Advanced Software Engineering	GR18D5030	2018
25	2018	Component oriented Programming Languages	GR18D5031	2018
25	2018	Software Process and Project Management	GR18D5032	2018
25	2018	Software Engineering Lab	GR18D5033	2018
25	2018	Component Oriented Programming Languages Lab	GR18D5034	2018
25	2018	Advances in Software Testing	GR18D5035	2018
25	2018	Model Driven Software Engineering	GR18D5036	2018

25	2018	Model Driven Software Engineering	GR18D5036	2018
25	2018	Server Side Scripting Languages	GR18D5037	2018
25	2018	Service Oriented Architecture	GR18D5038	2018
25	2018	Software Patterns	GR18D5039	2018
25	2018	Distributed Databases	GR18D5040	2018
25	2018	Server Side Scripting Languages Lab	GR18D5041	2018
25	2018	Advances in Software Testing Lab	GR18D5042	2018
25	2018	Software Quality Assurance	GR18D5043	2018
25	2018	Multimedia Rich Internet Development	GR18D5044	2018
25	2018	Software Configuration Management	GR18D5045	2018
25	2018	Operations Research	GR18D5203	2018
25	2018	Sanskrit for Techinical Knowledge	GR18D5209	2018
43	2018	Research Methodology and IPR	GR18D5012	2018
43	2018	Advanced Power Electronic Converters	GR18D5048	2018
43	2018	Power Quality	GR18D5049	2018
43	2018	Renewable Energy Systems	GR18D5050	2018
43	2018	Optimal and Adaptive Control	GR18D5051	2018
43	2018	PWM for Power Electronic Converter	GR18D5052	2018
43	2018	Electric and Hybrid vehicles	GR18D5053	2018
43	2018	FACTS and Custom Power Devices	GR18D5058	2018

43	2018	Dynamics of Electrical Machines	GR18D5059	2018
43	2018	Advanced Digital Signal Processing	GR18D5060	2018
43	2018	AI Techniques	GR18D5061	2018
43	2018	Distributed Generation	GR18D5062	2018
43	2018	Smart GRIDs	GR18D5063	2018
43	2018	Power Quality Lab	GR18D5064	2018
43	2018	HVDC	GR18D5066	2018
43	2018	Industrial Load Modelling and Control	GR18D5067	2018
43	2018	SCADA Systems and Applications	GR18D5068	2018
43	2018	Electric Drives Systems	GR18D5069	2018
43	2018	Power Electronic Converters	GR18D5070	2018
43	2018	Electrical Drives Lab	GR18D5071	2018
43	2018	Modelling and Analysis of Electrical Machines	GR18D5073	2018
43	2018	Digital Control of Power Electronic and Drives Systems	GR18D5074	2018
43	2018	Digital Signal Processing Lab	GR18D5075	2018
43	2018	Stress Management by Yoga	GR18D5213	2018
48	2018	Mathematical Foundation For Computer Science Applications	GR18D5001	2018
48	2018	Advanced Data Structures	GR18D5002	2018
48	2018	Advanced Data Mining	GR18D5003	2018
48	2018	Information Security	GR18D5004	2018
48	2018	Advanced Python Programming	GR18D5005	2018
48	2018	Computer System Design	GR18D5006	2018

48	2018	Distributed Computing	GR18D5008	2018
48	2018	Information Security Lab	GR18D5010	2018
48	2018	Advanced Python Programming Lab	GR18D5011	2018
48	2018	Research Methodology and IPR	GR18D5012	2018
48	2018	Advanced Data Structures Lab	GR18D5013	2018
48	2018	Machine Learning and Applications	GR18D5014	2018
48	2018	Advanced Algorithms	GR18D5015	2018
48	2018	Image Processing	GR18D5016	2018
48	2018	Advanced Data Science	GR18D5017	2018
48	2018	Data Analytics	GR18D5018	2018
48	2018	Cloud computing and Applications	GR18D5019	2018
48	2018	High Performance Computing	GR18D5020	2018
48	2018	Advanced Computer Networks	GR18D5021	2018
48	2018	Image Processing Lab	GR18D5022	2018
48	2018	Advanced Data Science Lab	GR18D5023	2018
48	2018	Machine Learning and Applications Lab	GR18D5025	2018
48	2018	Mobile Applications and Services	GR18D5026	2018
48	2018	Information Storage and Retrieval	GR18D5027	2018
48	2018	Distributed Databases	GR18D5040	2018
48	2018	Business Analytics	GR18D5201	2018
48	2018	Indian constitution	GR18D5211	2018
51	2018	Research Methodology and IPR	GR18D5012	2018

51	2018	Advanced Computer Aided Design	GR18D5118	2018
51	2018	Advanced Manufacturing Processes	GR18D5119	2018
51	2018	Materials Technology	GR18D5120	2018
51	2018	Quality Engineering in Manufacturing	GR18D5121	2018
51	2018	Precision Engineering	GR18D5122	2018
51	2018	Finite Element Applications in Manufacturing	GR18D5123	2018
51	2018	Industrial Robotics	GR18D5124	2018
51	2018	Material Characterization Techniques	GR18D5125	2018
51	2018	Computer Aided Design Lab	GR18D5126	2018
51	2018	Advanced Manufacturing Processes Lab	GR18D5127	2018
51	2018	Computer Aided Manufacturing	GR18D5128	2018
51	2018	Tool Design	GR18D5129	2018
51	2018	Design for Manufacturing and Assembly	GR18D5130	2018
51	2018	Design of Hydraulics and Pneumatics Systems.	GR18D5131	2018
51	2018	Flexible Manufacturing Systems	GR18D5132	2018
51	2018	Automation in Manufacturing	GR18D5133	2018
51	2018	Production and Operation Management	GR18D5134	2018
51	2018	Sustainable Manufacturing	GR18D5135	2018
51	2018	Computer Aided Manufacturing Lab	GR18D5136	2018
51	2018	Tool Design Lab	GR18D5137	2018

51	2018	Advanced Metal Forming	GR18D5138	2018
51	2018	Mechatronics	GR18D5139	2018
51	2018	Optimization Techniques	GR18D5140	2018
51	2018	Cost Management of Engineering Projects	GR18D5204	2018
51	2018	Value Education	GR18D5210	2018
55	2018	Research Methodology and IPR	GR18D5012	2018
55	2018	Vlsi Technology and Design	GR18D5083	2018
55	2018	Embedded System Design	GR18D5099	2018
55	2018	Microcontrollers for Embedded System Design	GR18D5100	2018
55	2018	Embedded Real Time Operating Systems	GR18D5101	2018
55	2018	Embedded Computing	GR18D5102	2018
55	2018	Embedded System Design Lab	GR18D5105	2018
55	2018	Embedded Networking	GR18D5107	2018
55	2018	Digital Signal Processors	GR18D5108	2018
55	2018	Network Security	GR18D5110	2018
55	2018	Internet of Things(IoT)	GR18D5111	2018
55	2018	Embedded C Lab	GR18D5113	2018
55	2018	Digital Signal Processor Lab	GR18D5114	2018
55	2018	Artificial Neural Networks and Fuzzy Systems	GR18D5115	2018
55	2018	Multimedia Signal Coding	GR18D5117	2018
55	2018	Waste to Energy	GR18D5206	2018
55	2018	Engilish forResearch Paper Writing	GR18D5207	2018
57	2018	Research Methodology and IPR	GR18D5012	2018

57	2018	Digital System Design using HDL	GR18D5076	2018
57	2018	Digital CMOS IC Design	GR18D5077	2018
57	2018	Device Modeling	GR18D5079	2018
57	2018	Scripting Languages for VLSI	GR18D5080	2018
57	2018	HDL Simulation Lab	GR18D5084	2018
57	2018	Digital CMOS IC Design Lab	GR18D5085	2018
57	2018	Analog CMOS IC Design	GR18D5086	2018
57	2018	ASIC Design	GR18D5087	2018
57	2018	Optimization Techniques in VLSI Design	GR18D5088	2018
57	2018	Anlog CMOS IC Design Lab	GR18D5094	2018
57	2018	ASIC Design Lab	GR18D5095	2018
57	2018	Advanced Computer Architecture	GR18D5096	2018
57	2018	CAD for VLSI Circuits	GR18D5097	2018
57	2018	CMOS Mixed Signal Circuit Design	GR18D5098	2018
57	2018	Disaster Management	GR18D5208	2018
83	2018	Research Methodology and IPR	GR18D5012	2018
83	2018	Power System Analysis	GR18D5046	2018
83	2018	Power System Dynamics-1	GR18D5047	2018
83	2018	Advanced Power Electronic Converters	GR18D5048	2018
83	2018	Power Quality	GR18D5049	2018
83	2018	Renewable Energy Systems	GR18D5050	2018
83	2018	Electric and Hybrid vehicles	GR18D5053	2018
83	2018	Power System Steady State Analysis Lab	GR18D5054	2018

83	2018	Power System Dynamics Lab	GR18D5055	2018
83	2018	Digital Protection of Power Systems	GR18D5056	2018
83	2018	Power System Dynamics-2	GR18D5057	2018
83	2018	Dynamics of Electrical Machines	GR18D5059	2018
83	2018	Advanced Digital Signal Processing	GR18D5060	2018
83	2018	AI Techniques	GR18D5061	2018
83	2018	Smart GRIDs	GR18D5063	2018
83	2018	Power System Protection Lab	GR18D5065	2018
83	2018	HVDC	GR18D5066	2018
83	2018	SCADA Systems and Applications	GR18D5068	2018
83	2018	Personality Development through Enlightenment Skills	GR18D5214	2018

1.2.1 New programmes/courses introduced during the Academic year

Name of the Course	Course Code	Date of introduction
Environmental Science	GR18A2001	2018
Value Education Ethics and Gender Culture	GR18A2002	2018
Constitution of India	GR18A2003	2018
Economics and Accounting for Engineers	GR18A2004	2018
Prrobability &Statistics	GR18A2005	2018
Computational Mathematics for Engineers	GR18A2006	2018
Building Materials and Construction Planning	GR18A2007	2018
Solid Mechanics – I	GR18A2009	2018
Introduction to Fluid Mechanics	GR18A2010	2018
Pavement Materials	GR18A2011	2018
Solid mechanics lab	GR18A2013	2018
Solid Mechanics – II	GR18A2014	2018

		2018
Basics of Electrical & Electronics Engineering	GR18A2015	2018
Mechanical Engineering	GR18A2016	2018
Surveying & Geomatics	GR18A2017	2018
Hydraulic Engineering	GR18A2018	2018
Fluid Mechanics & Hydraulic Machinery Lab	GR18A2022	2018
Electrical Circuit Analysis	GR18A2023	2018
Analog Electronic Circuits	GR18A2024	2018
Analog Electronic Circuits Lab	GR18A2028	2018
Digital Electronics	GR18A2030	2018
Control Systems	GR18A2032	2018
Digital Electronics Lab	GR18A2033	2018
Introduction to Electromagnetic Theory	GR18A2036	2018
Materials Engineering	GR18A2037	2018
Materials Science and Metallurgy Lab	GR18A2043	2018
Manufacturing Process	GR18A2047	2018
Manufacturing Process Lab	GR18A2048	2018
ELECTRONIC DEVICES AND CIRCUITS	GR18A2051	2018
Signals and Systems	GR18A2052	2018
NETWORK ANALYSIS AND TRANSMISSION LINES	GR18A2054	2018
ELECTRONIC DEVICES AND CIRCUITS LAB	GR18A2055	2018
ELECTROMAGNETIC FIELDS AND WAVES	GR18A2057	2018
ANALOG AND DIGITAL COMMUNICATIONS	GR18A2058	2018

ANALOG AND PULSE CIRCUITS	GR18A2059	2018
MICROPROCESSORS AND MICROCONTROLLERS	GR18A2060	2018
PRINCIPLES OF OPERATING SYSTEMS	GR18A2061	2018
ANALOG AND DIGITAL COMMUNICATIONS LAB	GR18A2062	2018
ANALOG AND PULSE CIRCUITS LAB	GR18A2063	2018
MICROPROCESSORS AND MICROCONTROLLERS LAB	GR18A2064	2018
Data Structures	GR18A2066	2018
Database Management Systems	GR18A2068	2018
Open Source Lab	GR18A2069	2018
Data Structures Lab	GR18A2071	2018
Database Management Systems Lab	GR18A2072	2018
Computer Organization	GR18A2073	2018
Java Programming	GR18A2075	2018
Design and Analysis of Algorithms	GR18A2076	2018
Data Communications & Computer Networks	GR18A2080	2018
Data Communications & Computer Networks Lab	GR18A2080	2018
Operating Systems and Sci Lab	GR18A2081	2018
Design Thinking	GR18A2083	2018
Analysis of Laminated Composite Plates	GR18D5187	2018
Fracture Mechanics of Concrete Structures	GR18D5188	2018
Theory of Thin Plates and Shells	GR18D5189	2018

Business Analytics		GR18D5201	2018
Industrial Safety		GR18D5202	2018
Operations Research		GR18D5203	2018
Cost Management of Engineering Projects		GR18D5204	2018
Composite Materials		GR18D5205	2018
Waste to Energy		GR18D5206	2018
SCADA Systems and Applications		GR18D5068	2018
Industrial Safety		GR18D5202	2018
Industrial Load Modelling and Control		GR18D5067	2018
SCADA Systems and Applications		GR18D5068	2018
Advanced Metal Forming		GR18D5138	2018
Mechatronics		GR18D5139	2018
Optimization Techniques		GR18D5140	2018
DISSERTATION PHASE-I		GR18D5191	2018
DISSERTATION PHASE-II		GR18D5192	2018
CAD FOR VLSI		GR18D5097	2018
CMOS MIXED SIGNAL CIRCUIT DESIGN		GR18D5098	2018
ARTIFICIAL NEURAL NETWORKS AND FUZZY SYSTEMS		GR18D5115	2018
SENSOR NETWORKS		GR18D5116	2018
MULTIMEDIA SIGNAL CODING		GR18D5117	2018

1.2.2 Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

Name of Programmes adopting CBCS	UG	PG	Date of implementation of CBCS / Elective Course System	UG	PG
B. Tech Civil Engineering	UG		2015	UG	
B. Tech Electrical & Electronics Engineering	UG		2015	UG	
B. Tech Information	UG		2015	UG	

Technology					
B. Tech Electronics and Communication Engineering	UG		2015	UG	
B. Tech Computer Science and Engineering	UG		2015	UG	
B. Tech Mechanical Engineering	UG		2015	UG	
M. Tech Structural Engineering		PG	2015		PG
M. Tech Power Systems		PG	2015		PG
M. Tech Power Electronics		PG	2015		PG
M. Tech Embedded Systems		PG	2015		PG
M. Tech VLSI		PG	2015		PG
M. Tech CSE		PG	2015		PG
M. Tech Software Engineering		PG	2015		PG
M. Tech Thermal Engineering		PG	2015		PG
M. Tech Design for Manufacturing Engineering		PG	2015		PG

1.3 Curriculum Enrichment

1.3.1 Value-added courses imparting transferable and life skills offered during the year

Value added courses	Date of introduction	Number of students enrolled
Electrical Systems Awareness Program	2019	31
Spoken Tutorial-Python	2019	584
Spoken Tutorial- Scilab	2019	478
Fundamentals of DBMS	2019	135
Switching, Routing and Wireless Essentials	2019	186
Introduction to Networks	2019	186

Enterprise Networking, Security and Automation	2019	166
Scaling Networks	2019	166
Spoken Tutorial - Arduino	2019	167
Spoken Tutorial - Java	2019	168
Spoken Tutorial - C Language	2019	310
CCNAv7: Enterprise Networking, Security, and Automation	2019	17
CCNAv7: Switching, Routing, and Wireless Essentials	2019	34
CCNAv7: Introduction to Networks	2019	28
Spoken Tutorial - PHP & MySQL	2019	295
Fusion 360	2019	36
Certification course in Advanced academic center	2019	324

1.3.2 Field Projects / Internships under taken during the year

Project/Programme Title	No. of students enrolled for Field Projects / Internships
B. Tech Civil Engineering	**214+80=294**
B. Tech Electrical & Electronics Engineering	**162+105=267**
B. Tech Mechanical Engineering	**132+93=225**
B. Tech Electronics and Communication Engineering	**155 +300=455**
B. Tech Computer Science and Engineering	**190+340=430**
B. Tech Information Technology	**496+160=656**
M. Tech Structural Engineering	**12**
M. Tech Thermal Engineering	**-**
M. Tech Power Electronics	**3**
M. Tech Power Systems	**1**
M. Tech Design for manufacturing	**8**

M. Tech Embedded Systems	-
M. Tech VLSI	-
M. Tech Computer Science & Engineering	-
M. Tech Software Engineering	-

1.4 Feedback System

1.4.1 Whether structured feedback received from all the stakeholders.

1) Students	2) Teachers	3) Employers	4) Alumni	5)Parents
Yes	Yes	Yes	Yes	Yes

1.4.2 How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

GRIET takes feedback from various stake holders normally the faculty, students, alumni, industry, parents, employer, national institutes, professional bodies, etc. for curriculum design and development.

GRIET have MOU's with industry for the strategic relationship between institution and the industry intended for study of latest trends. Also, completed and ongoing research projects of the institution helps to bridge the gap between academics and industry.

GRIET constantly endeavours to have faculty with relevant competency and qualification to satisfy all of the curricular areas of the program. The institution accommodates adequate levels of student-faculty interaction, student advising and counselling by the faculty, professional development and interactions with industrial and professional practitioners, as well as employers.

Institute provides an opportunity for the continuous improvement. Students are encouraged to participate more in technical events and to exhibit the projects. Participation in paper presentation, seminars, workshops etc. result in improving the effectiveness and efficiency. Regular assessment and improvement process may include innovation, internship, field visits, workshops, seminars, CRT classes etc. GRIET organizes industry interaction and industry visits so as to communicate effectively with engineering community and society.

CRITERION II -TEACHING-LEARNING AND EVALUATION

2.1 Student Enrolment and Profile

2.1. 1 Demand Ratio during the year

Name of the Programme	Number of seats available	Number of applications received	Students Enrolled
UG(CE, EEE, ME, ECE, CSE, IT)	1200	14408	1141
PG(DFM,PE, VLSI, CSE, STE)	102	1603	79

2.2 Catering to Student Diversity

2.2.1. Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of full time teachers available in the institution teaching only UG courses	Number of full time teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019-20	5150	224	277	38	315

2.3 Teaching - Learning Process

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

Number of teachers on roll	Number of teachers using ICT *(LMS, e-Resources)*	ICT tools and resources available	Number of ICT enabled classrooms	Number of smart classrooms	E-resources and techniques used
315	315	GRIET MOODLE	75	11	IEEE-ASPP
		PLICKERS			ASCE-Digital Library
		REPROGRAPHY FACILITY			ASME-Digital Library
		SCANNER			J-GATE(ENGINEERING & TECHNOLOGY)
		WIFI			DELNET
		SWAYAM PRABHA			Sciencedirect

		NPTEL SERVER			NPTEL Lessons
		Newton Class Room			Video Lectures prepared by Faculty
					PPTs prepared by Faculty
					E-Lecture notes prepared by Faculty
					Flipped class room activity
					Think Pair Share(TPS) activity
					Peer Instruction strategies
					E-CAP
					GCAP
					Spoken Tutorilas

2.3.2 Students mentoring system available in the institution? Give details. (maximum 500 words)

Yes.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor: Mentee Ratio
5374	315	1:17

2.4 Teacher Profile and Quality				
2.4.1 Number of full time teachers appointed during the year				
No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
315	315	NIL		96

2.4.2 Honours and recognitions received by teachers
(received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019-20	Dr J. Praveen	Principal	Active Now Excellence Awards

	Dr K.AnuRadha	Professor	Best Dean of the Year
	P.Gopal Krishna	Associate Professor	Inspiring Best Educationist Award-2019
	Dr J. Sridevi	Professor	Bharat Vidya Ratan Award
	Dr K.Madhavi	Professor	Digital Innovation Award
	Dr Y. Nagendra Kumar	Professor	Innovative Research Excellence Award-2019
	Dr Dola Gobinda Padhan	Professor	Bharat Vidya Ratan Award
	Dr V Lakshmi Prasanna	Professor	New Era English Professor
	Dr K. Prasanna Lakshmi	Professor	50 Fabulous Edutech Leaders
	Dr Y. Vijaya Lata	Professor	Significant Volunteer Service Award

2.5 Evaluation Process and Reforms

2.5.1 Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
UG/B.Tech /All Programs	CE(01),EEE(02),ME(03),ECE(04),CSE(05),IT(12)	Semester	24-09-2020	06/10/2020
UG/B.Tech /All Programs	CE(01),EEE(02),ME(03),ECE(04),CSE(05),IT(12)	Semester	06-12-2019	17-12-2019

2.5.2 Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year
Do not include re-evaluation/ re-totalling

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
	5374	

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 in website of the institution (to provide the weblink)

2.6.2 Pass percentage of students

Programme Code	Programme name	Number of students appeared in the final year examination	Number of students passed in final Semester /year examination	Pass Percentage
02	EEE	140	128	
03	ME	136	124	
04	ECE	354	315	
05	CSE	419	385	
12	IT	124	110	
01	CE	126	113	
21	Thermal Engg	16	16	
43	Power Electronics	8	8	
52	DFM	18	18	
83	Power Systems	13	13	
57	VLSI	8	8	
55	Embedded Systems	15	15	
58	CSE	22	22	
25	Software Engg	18	18	
20	Structural Engg	26	26	

2.7 Student Satisfaction Survey

2.7.1 Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 Promotion of Research and Facilities

3.1.1 The institution provides seed money to its teachers for research,

Yes.......... No. ....   if yes give details

Name of the teacher getting seed money	The amount of seed money	Year of receiving grant	Duration of the grant
G.Mallikarjuna Rao,Prof,CSE	0.07728	2019-2020	3
G.N.Beena Bethal,Assoc.Prof.,VCSE	0.02449	2019-2020	365
Dr.K.Anuradha,Prof.,CSE	0.0175	2019-2020	365
Dr.G.Karuna,Prof.,CSE	0.0175	2019-2020	365
V.Srilakshmi,Asst.Prof.,CSE	0.0175	2019-2020	365
Krishna Chythanya N,Asst.Prof	0.02	2019-2020	7
Dr.K.Kavitha,Assoc.Prof.	0.04121	2019-2020	3
Krishna Chythanya N,Asst.Prof	0.05687	2019-2020	2
Dr.J Sridevi	3000	2020	1 month
Dr.J Sridevi	50000	2019	44 days
Dr. Phaneendra Babu Bobba	8200	2020	1 month
V Vijaya Rama Raju	3820	2020	1 month

3.1.2 Teachers awarded National/International fellowship for advanced studies/ research during the year

	Name of the teacher awarded the fellowship	Name of the Award	Date of Award	Awarding Agency
National				
International	Dr. J Sridevi	International Travel Grant/Research	2019	GRIET, Hyderabad

3.2 Resource Mobilization for Research

3.2.1 Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding Agency	Total grant sanctioned	Amount received during the year
Major projects				
Minor Projects				
Interdisciplinary Projects				
Industry sponsored Projects	One year	GHMC-	% Basis on Contract Price of Work	36.64 Lakhs
Projects sponsored by the				

University/ College				
Design and Development of Routing Protocols for Cognitive Wireless Sensor Networks using Neural Networks	On going	TEQIP III/ JNTUH	2,75,000	2,75,000
Development of an Effective Mechanism using Smart Belt/ID Card to prevent School Children Abduction	On going	TEQIP III/ JNTUH	2,75,000	2,75,000
Innovative Protection of Valuable Trees(Red Sandal)from Smuggling	On going	TEQIP III/ JNTUH	3,00,000	3,00,000
Novel Approach for Harmonic Reduction in Renewable Energy Interfacing Converter using Artificial Intelligence Techniques	3 years	Research Promotion Scheme, AICTE	10	
Multi-agent system for Energy Management of Renewable and Alternative Energy in Domestic Cooking	3 years	Collaborative Research Scheme, TEQUIP-III,JNTUH	2.155	
Development of Low Cost Phasor Measurement Unit for WAMS applications	3 years	Collaborative Research Scheme, TEQUIP-III,JNTUH	3	
AI and IoT based Prediction analytics on testing data of Rotating Machinery faults under different conditions	5 years	Ample Auto Tech Pvt. Ltd.	22.504	
Design and development of wireless power Transfer system for Multiple Loads	2 Years	PR Infotech	6	
Design and Implementation of ultrawideband antenna for Ground Penetrating Radar JNTUH/TEQIP-III/CRS/2019/ECE/09	On going	TEQIP III/ JNTUH	2,95,000	
EEG based interpretation of human Brain during Yoga and Meditation using novel Machine Learning algorithms	On going	TEQIP III/ JNTUH	2,92,000	
	One year	TEQIP-III,JNTUH	2,90,000	1,00,000

Students Research Projects *(other than compulsory by the College)*				
International Projects				
Any other(Specify)				
Total				

3.2.2 Number of ongoing research projects per teacher funded by government and non-government agencies during the years

3.3 Innovation Ecosystem

3.3.1 Workshops/Seminars Conducted on Intellectual Property Rights **(IPR)** and Industry-Academia Innovative practices during the year

Title of Workshop/Seminar	Name of the Dept.	Date(s)
Guest Lecture on Impact-CSI	Computer Science and Engineering	22nd February.2020
Guest Lecture on "Big Data"	Computer Science and Engineering	19th February.2020
TEDx GRIET Season 3 -Echoes and Reflections	Computer Science and Engineering	1st February.2020
Guest Lecture on Citizen Chat	Computer Science and Engineering	21st January.2020
Guest Lecture on Hands on Reverse Engineering	Computer Science and Engineering	20th December.2019
CSI Telangana State Student Convention 2019	Computer Science and Engineering	12th December.2019
FDP on BDA & Machine Learning Applications using Pyspark	Computer Science and Engineering	2nd December.2019
FDP on Data Science	Computer Science and Engineering	19th November.2019
Guest Lecture on Cyber Security	Computer Science and Engineering	11th November.2019
Guest Lecture on Hygiene & Health	Computer Science and Engineering	11th November.2019
Workshop on R-Programming	Computer Science and Engineering	9th November.2019
Technical Event on Innovation Day	Computer Science and Engineering	19th October.2019
Workshop on Simulation of Wireless sensor Networks Using ns-3 Simulator	Computer Science and Engineering	19th & 20th September 2019
FDP on Artificial Intelligence & Machine learning	Computer Science and Engineering	13th September.2019
Guest Lecture On Cyber Security	Computer Science and Engineering	10th September.2019
G-talks, Season-2 - Guest Lecture	Computer Science and Engineering	7th September.2019
Faculty Development Programme on Digital	Computer Science and	28th August.2019

Learning Pedagogy	Engineering	
FDP on AWS Cloud practitioner	Computer Science and Engineering	22nd August.2019
X-Kernal'2019	Computer Science and Engineering	17th August.2019
Lecture - Navigating to Build Career in Autonomous Driving/AI	Computer Science and Engineering	6th August.2019
FDP on Digital Learning Through Web & Cloud Apps	Computer Science and Engineering	26th & 27th July 2019
Lecture on Latest Software Programming Trends in IT Industry	Computer Science and Engineering	26th July.2019
Seminar On Importance of Internships	Computer Science and Engineering	22nd July.2019
Tech Talk on Neuroscience in Artificial Intelligence	Computer Science and Engineering	20th July.2019
Automotive Technology for A Sustainable Future (Phase-I)	EEE	7-9-2020 to 12-9-2020
Automotive Technology for A Sustainable Future (Phase-II)	EEE	5-10-2020 to 10-10-2020
Automotive Technology for A Sustainable Future (Phase-III)	EEE	14-12-2020 to 19-12-2020
Startup Expo Event under E-Summit	IT	29/02/2020
Digital Marketing under E-Summit	IT	29/02/2020
Graphic Designing under E-Summit	IT	29/02/2020
Start-up , Legal and Ethical Steps	IT	22/02/2020
Idea Competition in Association with TIE	IT	23/12/2019

3.3.2 Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of the Awardee	Awarding Agency	Date of Award	Category
Digital Innovation	Dr.K.Madhavi	National Summit on Women & Education Empowerment 2020	18-1-2020	Faculty
Best Dean of the Year	Dr.K.Anuradha	National Summit on Women & Education Empowerment 2020	18-1-2020	Faculty
Significant Volunteer Service Award 2019	Dr.Y.Vijayalata	IEEE - Hyderabad Section	19-1-2020	Faculty
Bharat Vidya Ratan Award	Dr.J.Sridevi	International Business Council	2019-20	Teacher
Bharat Vidya Ratan Award	Dr.D.G.Padhan	International Business Council	2019-20	Teacher

Best EEE student Award	Ms. M Aishwarya	ISTE-TS Section Convention & Award function 2019	2019-20	Students ISTE-TS Award function
Gibbs-Shannon entropy and Related Measures	Dr.T.Jaganatha swamy	NIT,warangal.	Oct,2019	Teacher
INNOVATIVE RESEARCH EXCELLENCE AWARD – 2019" for Excellence in Engineering & Technology by Global Education and Economic Development Forum GLOBAL LEADERS SUMMIT & GLOBAL EXCELLENCE AWARDS - 2019 New Delhi	Dr. Y. Jeevan Nagendra Kumar	Global Education and Economic Development Forum	26-11-2019	Teacher
Inspiring Best Educationist Award - 2019	P Gopala Krishna	Global Education And Economic Development Forum	22-11-2019	Teacher
50 Fabulous Edutech Leaders	Dr. K Prasanna Lakshmi	World Education Congress	04-07-2019	Teacher

3.3.3 No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Centre	Name	Sponsored by
COSPUS PRIVATE LIMITED	celebratory events	20/04/2020
IIIRPD	Interdisciplinary research and product development	20/09/2019
WEALTH OUT OF BOOKS	product development	27/05/2019
MK DEVELOPERS	Software support and maintenance	10/07/2018
HIGH DRONE PVT LTD	Technical services	21/08/2018

YOURTEES	Designs T-shirts	12/08/2018
MSME	P Kiran Varma	--

Name of the Start-up	Nature of Start-up	Date of commencement
SEZY	Software	15/03/2019

3.4 Research Publications and Awards

3.4.1 Ph. Ds awarded during the year

Name of the Department	No. of Ph. Ds Awarded
Civil Engineering	1
CSE	01
EEE	1
Mechanical	02
IT	1

3.4.2 Research Publications in the Journals notified on UGC website during the year

	Department	No. of Publication	Average Impact Factor, if any
National	Civil Engg	2	
International	Civil Engg	42	
National	CSE	-	**-**
International	CSE	34	4.4
National	EEE	**-**	-
International	EEE	36	-
National	Mech Engg	**-**	-
International	Mech Engg	-	-
National	ECE	-	**-**
International	ECE	34	3.7
National	IT	3	**--**
International	IT	--	--

3.4.3 Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	No. of publication
CSE	1
Mechanical	29
ECE	21
IT	20

3.4.4 Patents published/awarded during the year

Patent Details	Patent status **Published/**	Patent Number	Date of Award

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	Filed		
Method for design of current differencing buffered amplifier using computing device by Dr.G.R.Sakthidharan	Published	Application No.201911023802 A	15/06/2019
Triangular pair of Solar photovoltaic panels with rotating gear mechanism	Published	202041000000	21/02/2020
Photovoltaic bidirectional inverter system for seamless power transmission to direct current and alternate current loads	Published	202041000000	25/09/2020
DESIGN AND FABRICATION OF ELECTRIC SMART BIKE WITH VOICE RECOGNITION	Published	202041053479	18/12/2020
IOT based Intelligent Solar Water heater	Published	202041030263	7/8/20
Door Mounted Door Handle Sanitizer Dispenser	Published	202041026845	10/7/20
Design of Solar Powered Mini Rice Mill	Published	202041030668	31/7/2020
Design of Coconut Husk Remover with Shell Cutter & Scrapper	Published	202041028199	10/7/2020
Wearable Child Monitoring Device With Inbuilt Heart Rate Measurement to Protect Falling Into Anandoned Deep Bore Well	Published	202041033007	21/08/2020
Improvisation in mechanical behaviour of inconel 718 at sub zero temperature	Published	202041036195	11/9/2020
Intelligent virus detection biochip	Published	202041023019	19/6/2020
Car Disabled People: Electric car control and monitor by disabled people	Published	202041023566	19/6/2020
Hexagonal Split -ring resonator based Ultra-wideband LPDA	Published	202041015862 A	22/05/2020
System and method to montior water consumption in premises	Published	202041001100	17/01/2020
Encryption Based Security Solution for Data	Published	202041034520	4/09/2020

Communication of IOT Devices			
"A SMART GLOVE FOR RECOGNIZING AND COMMUNICATING SIGN LANGUAGE AND ASSOCIATED METHOD THEREOF"	Published	202041038106	25/09/2020
NIBT-Fire Detection: Fire detection and notification using IOT based technology	Published	2020102097	23/12/2020
A method of interpreting human brain activity during meditation using Electroencephalogram	Published	202041039549 A	25/09/2020
IOT Based Things Speak Environmental MonitoringUsing Wireless Sensor	Published	202041039548A	25/09/2020
EFFECTIVE COMMUNICATION SYSTEM FOR DISABLED PERSONS USING NEURO SIGNALS	Published	2020102681	23/12/2020
Dr. K Prasanna Lakshmi DEVELOPMENT OF ROBOT FOR PIPELINE INSPECTION	Published	202041014971 A	22-05-2020

3.4.5 Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or Pub Med/ Indian Citation Index

Title of the paper	Name of the author	International Journal of Innovative Technology and Exploring Engineering (IJITEE), Volume-8 Issue-12S,	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citations
Characteristics of Paper brick with Inequitable Substitution of Cement	M.S. Britto Jeyakumar	International Journal of Innovative Technology and Exploring Engineering	2019	2	GRIET Hyderabad	2

		(IJITEE)				
Characteristics of Paper brick with Inequitable Substitution of Cement	Y.Kamala Raju	International Journal of Recent Technology and Engineering (IJRTE)	2019	3	GRIET Hyderabad	3
Pavement Overlay Design Using Falling Weight Deflectometer	I.Chandana	International journal of innovative technology and exploring engineering(IJITEE)	2019	0	GRIET Hyderabad	0
Inquiry on mechanical properties of M3O grade concrete with partial replacement of copper slag and dolomite powder for fine aggregate and cement	G. V. V Satyanarayana	International journal of innovative technology and exploring engineering(IJITEE)	2019		GRIET Hyderabad	
Effect on mechanical properties of M35 grade concrete by partial replacement of fine aggregate with copper slag	G. V. V Satyanarayana	International journal of innovative technology and exploring engineering(IJITEE)	2019		GRIET Hyderabad	
Effect of Dolomite Powder on Mechanical properties of M40 grade concrete when	G. V. V Satyanarayana	International Journal of recent technology and engineering	2019		GRIET Hyderabad	

cement was partially replaced						GRIET Hyderabad	
Durability Properties of M60 grade self-compacting concrete with partial replacement of cement by GGBS, lime powder and Metakaolin	G. V. V Satyanarayana	International journal of innovative technology and exploring engineering(IJITEE)	2019			GRIET Hyderabad	
Effect of Air Quality Parameters in Hyderabad and Mapping Using QGIS and Detection Management Software	K.Hemalatha	International journal of innovative technology and exploring engineering(IJITEE)	2019	0		GRIET Hyderabad	0
Modulus of Elasticity on High Performance Glass Fibre RCC Beams With Partial Replacement of Cement by Silica Fume	Y.Kamala Raju	International Journal Of Recent Technology And Engineering ((IJRTE)	2019	3		GRIET Hyderabad	3
Influence of support reactions on RCC building frames a computational method	Y.Kamala Raju	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	3		GRIET Hyderabad	3
Mechanical and Durability Properties of Fly Ash and	N.Sanjeev	International Journal of Innovative Technology	2019	1		GRIET Hyderabad	1

GGBS Based Fiber Reinforced concrete		and Exploring Engineering (IJITEE)				
An Experimental Programme on Fibre Reinforced Concrete with OPC, Fly Ash, GGBS and Metakaolin	N.Sanjeev	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	1	GRIET Hyderabad	1
Mechanical and Durability Properties of Fibre reinforced concrete made with OPC, GGBS and Metakaolin	N.Sanjeev	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	1	GRIET Hyderabad	1
An Experimental Programme on FRC with OPC, Flyash, GGBS, and Metakaolin	N.Sanjeev	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	1	GRIET Hyderabad	1
Mechanical Properties of Concrete with Mineral Admixtures - an Experimental Programme	N.Sanjeev	International Journal of Engineering and Advanced Technology (IJEAT)	2019	1	GRIET Hyderabad	1
Strength and Durability Characteristics of Steel Fibre Reinforced Concrete with	N.Sanjeev	International Journal of Recent Technology and Engineering	2019	1	GRIET Hyderabad	1

Mineral Admixtures		(IJRTE)				
Pavement Overlay Design Using Falling Weight Deflectometer	G.Swetha	International journal of innovative technology and exploring engineering(IJITEE)	2019	0	GRIET Hyderabad	0
Effect of Air Quality Parameters in Hyderabad and Mapping Using QGIS and Detection Management Software	G.Swetha	International Journal of Civil Engineering and Technology (IJCIET)	2019	0	GRIET Hyderabad	0
Studies on the behaviour of sulphate attack resistance of low calcium fly ash and slag based geopolymer concrete	T.Srinivas	International Journal of Engineering and Advanced Technology (IJEAT)	2019	5.5	GRIET Hyderabad	11
Seismic Effect on Design of Residential Multi-Storey Building (Stilt+17 Floors) In Zone-III and Zone-IV using Etabs	T.Srinivas	International journal of innovative technology and exploring engineering(IJITEE)	2019	5.5	GRIET Hyderabad	11
Sulphate attack Resistance of Geo-polymer Concrete made with	T.Srinivas	International journal of innovative technology and exploring engineering(IJ	2019	5.5	GRIET Hyderabad	11

Partial Replacement of Coarse Aggregate by Recycled Coarse Aggregate		ITEE)					
Permeation Properties of Geopolymer Concrete Made with Partial Replacement of Recycled Coarse Aggregates	T.Srinivas	International Journal of Engineering and Advanced Technology (IJEAT)	2019	5.5	GRIET Hyderabad	11
Mechanical Properties of Geopolymer Concrete Made With Partial Replacement of Coarse Aggregate by Recycled Aggregate	T.Srinivas	International journal of innovative technology and exploring engineering(IJITEE)	2019	5.5	GRIET Hyderabad	11
Effect of Air Quality Parameters in Hyderabad and Mapping Using QGIS and Detection Management Software	T.Srinivas	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	5.5	GRIET Hyderabad	11
Impact of Ground Water Due to The Solid and Liquid Dump and Evaluating Various Parameters in	S.Venkata Charyulu	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	1	GRIET Hyderabad	1

The Leachate						
Mechanical behaviour of Self-compacting concrete using rice husk ash & M-Sand	V.Mallikarjun a Reddy	International Journal of Recent Technology and Engineering (IJRTE)	2019	5	GRIET Hyderabad	10
Mechanical Properties of Fibre Reinforced Self Compacting Concrete using Rice Husk Ash	V.Mallikarjun a Reddy	International Journal of Recent Technology and Engineering (IJRTE)	2019	5	GRIET Hyderabad	10
Effect of Polyethylene Glycol in Self-Curing of Self Compacting Concrete	V.Mallikarjun a Reddy	International Journal of Recent Technology and Engineering (IJRTE)	2019	5	GRIET Hyderabad	10
Durability Properties of Self Compacting Concrete by using M-Sand as Fine Aggregate	V.Mallikarjun a Reddy	International Journal of Recent Technology and Engineering (IJRTE)	2019	5	GRIET Hyderabad	10
Effect of Elevated Temperatures on Fiber Reinforced Self Compacting Concrete	V.Mallikarjun a Reddy	International Journal of Recent Technology and Engineering (IJRTE)	2019	5	GRIET Hyderabad	10
PCC constituents quantification through	V.Mallikarjun a Reddy	International Journal of Civil Engineering	2019	5	GRIET Hyderabad	10

partial replacement of fine aggregate and cement		and Technology (IJCIET)				
Evaluation Of Cementing Efficiency In Quaternary Blended Self-Compacting Concrete	V Srinivasa Reddy	International Journal of Recent Technology and Engineering (IJRTE)	2019	10	GRIET Hyderabad	30
Strength Conversion Factors for Concrete Based On Specimen Geometry, Aggregate Size and Direction of Loading	V Srinivasa Reddy	International Journal of Engineering and Advanced Technology (IJEAT),	2019	10	GRIET Hyderabad	30
Appraisal of Processing Techniques for Recycled Aggregates in Concrete	V Srinivasa Reddy	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	10	GRIET Hyderabad	30
Microstructural Characterization of Calcite Mineral Precipitation in Bacteria Incorporated Concrete	V Srinivasa Reddy	International Journal of Recent Technology and Engineering (IJRTE)	2019	10	GRIET Hyderabad	30
Optimization and Development of High-Strength High-Volume	V Srinivasa Reddy	International Journal of Recent Technology and Engineering	2019	10	GRIET Hyderabad	30

Fly Ash Concrete Mixes		(IJRTE)				
Performance Evaluation of High-Strength High-Volume Fly Ash Concrete	V Srinivasa Reddy	International Journal of Recent Technology and Engineering (IJRTE)	2019	10	GRIET Hyderabad	30
Strength Appraisal of Light Weight Green Concrete Made with Cold Bonded Fly Ash Coarse Aggregate	V Srinivasa Reddy	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	10	GRIET Hyderabad	30
Statistical Models for Mechanical Properties of Basalt Fibre Reinforced Concrete	V Srinivasa Reddy	International Journal of Engineering and Advanced Technology (IJEAT),	2019	10	GRIET Hyderabad	30
Flexural Capacity of Concrete Beams Reinforced with Basalt Fibre Rebars	V Srinivasa Reddy	International Journal of Recent Technology and Engineering (IJRTE)	2019	10	GRIET Hyderabad	30
Cementing Efficiency of Rice Husk Ash and Ground Granulated Blast Furnace Slag in M60 grade Self Compacting	V Srinivasa Reddy	International Journal of Recent Technology and Engineering (IJRTE)	2019	10	GRIET Hyderabad	30

Concrete						
Estimation of Ground Granulated Blast Furnace Slag and Rice Husk Ash Cementing Efficiency in Low and Medium Grade Self-Compacting Concretes	V Srinivasa Reddy	Indian Geotechnical Conference 2019 Geo Indus	2019	10	GRIET Hyderabad	30
Study on CBR of lime and cement stabilized copper slag cushion laid over expansive soil	C Lavanya	Indian Geotechnical Conference 2019 Geo Indus	2019	3	GRIET Hyderabad	6
A geotechnical study on breached summer storage tank	C Lavanya	The Visual Computer, Springer (SCIE)	2019	3	GRIET Hyderabad	6
2D-human face recognition using SIFT and SURF descriptors of face's feature regions	Surbhi Gupta	IEEE ACCESS (SCIE)	Feb 20		GRIET	
Plant species recognition using morphological features and adaptive	Surbhi Gupta	IEEE(SCI)	Nov-19		GRIET	

boosting methodology						
Optimal ,secure cluster head placement through source coing techniques in wireless sensor networks	Padmalaya Nayak	Multimedia tools and applications An International Journal(SCIE)	Dec-19		GRIET	
Improved object recognitionr esults using SIFTandORB feature detector	Surbhi Gupta	Foundations, Methodologies and applications(SCI)	Oct-19	0	GRIET	
Forensic document examination system using boosting and bagging methodologies	Surbhi Gupta	(SCI)Data in Brief(Elsevier)	Aug-19		GRIET	
A dataset for automatic contrast enhancement of microscopic malaria infected blood RGB images	G.Ramesh	(SCI)Traitement du signal	Oct-19		GRIET	
Image transformation technique using	G.Ramesh	SCIE	Nov-19		GRIET	

steganography methods using LWT techniques					
A computational approach for printed document forensics using SURF and ORB features	Surbhi Gupta	Wireless Networks - Springer (SCI)	Jan-20	GRIET	
A hybrid approach for the optimization of quality of service metrics of WSN	P.Chandra Sekhar Reddy	JMCMS JOURNAL(ESCI)	Jan-20	GRIET	
Algorithm selection and importance of learning in prediction of breast cancer	B.Sankara Babu	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	Nov-19	GRIET	
robust video watermarking using secret sharing and cuckoo search algorithm	S.Bhargavi Latha	International Journal of Recent Technology and Engineering (IJRTE)	Sep-19	GRIET	
a secure architecture of design for testability	G.Karuna	International Journal of Recent Technology	Jul-19	GRIET	

structures		and Engineering (IJRTE)				
Distributed Computing Engines for Big Data Analytics	Bh.Prashanthi	International Journal of Recent Technology and Engineering (IJRTE)	Jul-19		GRIET	
Detection of Malicious uniform Resource Locator	P.Varaprasada Rao	International Journal of Engineering and Advanced Technology (IJEAT)	Jul-19		GRIET	
Gender Classification using Central Fibonacci Weighted Neighborhood Pattern Flooding Binary Matrix (CFWNP_FBM) Shape Primitive Features	P.Chandra Shekhar Reddy	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	Aug-19		GRIET	
An Efficient Parallel and Distributed Algorithm on Top of MapReduce	G.Karuna	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	Aug-19		GRIET	
An efficient	A.Sai	International	Sep-19		GRIET	

and secured framework for mobile computing	Hanuman	Journal of Innovative Technology and Exploring Engineering (IJITEE)				
An encrypted key exchange protocol to secure communication among Fog nodes and the cloud	G.Karuna	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	Oct-19		GRIET	
GSM based face recognition using pir sensor on rasberry pi 3	G.Karuna	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	Oct-19		GRIET	
Moving Object Detection and Tracking under Different Occlusion Conditions in Video Sequences	G.Karuna	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	Sep-19		GRIET	
Accomplishing Data Integrity and Confidentiality in Data	G.S.Bapi Raju	International Journal of Innovative Technology and Exploring	Sep-19		GRIET	

Markets		Engineering (IJITEE)				
Detection of Various Neoplasm's in Medical Images using Edge Detection and Neural Network	G.S.Bapi Raju	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	Sep-19		GRIET	
Identifying and Detecting Offensive Language in Social Media	G.S.Bapi Raju	International Journal of Recent Technology and Engineering (IJRTE)	Jul-19		GRIET	
AEAO: Auto Encoder with Adam Optimizer Method for Efficient Document Indexing Of Big Data	Y.Krishna Bhargavi	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	Sep-19		GRIET	
A Secure and Robust Digital Image Watermarking Techniques	K.Madhavi	Advances in Engineering management and sciences	Oct-19		GRIET	
Evaluate the performance of the clustering Algorithms by using data	S.Govind Rao	INTERNATIONAL JOURNAL OF SCIENTIFIC & TECHNOLO	Sep-19		GRIET	

discrepancy factor		GY RESEARCH				
Summarizing Product Reviews Using NLP Based Text Summarization	G.Ramesh,	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	Oct-19		GRIET	
Flat VS Hierarichal routing protocols in wireless sensor networks:an in-depth analysis	Padmalaya Nayak	International Journal of Recent Technology and Engineering (IJRTE)	Sep-19		GRIET	
An Efficient and Effective Framework to Track, Monitor, and Orchestrate Resource Usage in an Infrastructure as a Service	G.Ramesh,	International Journal of Engineering and Advanced Technology (IJEAT)	Sep-19		GRIET	
Data offloading for effective rescue operations during fire disaster	Dr.K.Kavitha,J.BhargaviLatha,T.V.Suneetha	International journal of innovative technology and exploring engineering(IJITEE)	Oct-19		GRIET	
Semi Equalizing	K.Kavitha	International journal of	Nov-19		GRIET	

load in Multi-hop wireless Networks		innovative technology and exploring engineering(I JITEE)				
An effective system to detect fake reviews	K.Kavitha	International journal of innovative technology and exploring engineering(I JITEE)	Nov-19		GRIET	
Counterfeiti ng threats in IOT	K.Kavitha,T. V.Suneetha, D.Usha sree	International journal of recent technology and engineering(I JRTE)	Nov-19		GRIET	
Proactive health care monitoring using IOT	V.Deepthi,C h.Sruthi	International journal of recent technology and engineering(I JRTE)	Sep-19		GRIET	
A novel video game recommende r system using content based filtering-Vidhya	N.Krishna chythanya,Y. Krishna Bhargavi	International journal of engineering and advanced technology(I JEAT)	Nov-19		GRIET	
Improving the quality of KB Harvest by	Dr.K.Butchi Raju	INTERNATI ONAL JOURNAL OF	Oct-19		GRIET	

Leveraging muitimodal signals based on event and place		SCIENTIFIC & TECHNOLOGY RESEARCH				
Best Keyword set recommendations for buildiing service based systems	De.G.Ramesh,Dr.K.Madhavi	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	Oct-19		GRIET	
User Connectivity and Event Popularity Based Re-Tweet Prediction in Social Networks	Dr.Y.Vijaya Latha	Ingénierie des Systèmes d'Information	Jan-20		GRIET	
A Secured Framework to Protect Association Rules in the Big Data Environment Using Fuzzy Logic	Dr.G.Ramesh	International journal of advanced science and technology	Oct-19		GRIET	
A Novel Implementation of Information Security Policy Modeling for enterprise networks	T.V.Sunitha	International Journal of Innovative Technology and Exploring Engineering (IJITEE	Jul-05		GRIET	
Powering the	D.Usha Sree	International	Nov-19		GRIET	

Next Billion Devices with Iot Security		journal of engineering and advanced technology(IJEAT)				
Data search rank extortion and malware identificatio n in google play	vara prasad	International journal of innovative technology and exploring engineering(I JITEE)	Oct-19		GRIET	
Region based segmentatio n and object detection	Dr.K.Butchi Raju	The International journal of analytical and experimental modal analysis	Sep-19		GRIET	
machine learning based face recognition system	G.Padmaja	International Journal of Engineering and Advanced Technology (IJEAT)	Jan-20		GRIET	
Modelling of DVR with Artificial Intelligence for Compensate the Voltage Sag, Swell and Flickers by Using SVPWM Switching Techniques	J.Praveen	International Journal of Recent Technology and Engineering	2020	0	GRIET Hyderabad	0

in Distribution Lines						
Implementation of DSP based voltage source inverter (VSI) by using sinusoidal pulse width modulation technique	Praveen J., Vinay Kumar A.	International Journal of Recent Technology and Engineering (IJRTE)	2019	1	GRIET Hyderabad	1
Power Loss Reduction using Instantaneous Network Reconfiguration and DG placement with Cuckoo Search Algorithm in Distribution System	Jami Sridevi	International Journal of Advanced Science and Technology.	2020	0	GRIET Hyderabad	0
Congestion Management With Static Voltage Stability Index Approach Incorporated With Svc And Tcsc Using Cat-Firefly Algorithm In	J Sridevi, usha rani	International conferenceon Renewable Energgy Interation into Smart Grids(ICREISG-2020)	2020	0	GRIET Hyderabad	0

Deregulated Power System						
Energy Mangament of Renewable and Alternative Energy in Domestic Cooking	Dr.J.Sridevi	IEEE ICECIE 2019 lnternational Conference on Electrical, Control and lnstrumentation Engineering	2020	0	GRIET Hyderabad	0
lntegration of Renewable DGs to Radial Distribution System lor Loss Reduction and Voltage Profile lmprovement	Jami Sridevi; Usha Rani V;	International Journal of Recent Technology and Engineering	2019	0	GRIET Hyderabad	0
Power system stability enhancement using FACTS devices	Padhan.D.G.	International Journal of Applied Electromagnetics and Mechanics	2019	0	GRIET Hyderabad	0
Design and development of wireless power transfer system for implantable cardioverter	Phaneendra Babu Bobba and Y. Satyavani	Materials Today: Proceedings	2020	0	GRIET Hyderabad	0

defibrillator						
Feasibility analysis of different conducting and insulation materials used in laminated busbars	PhaneendraBabu Bobba, T.Suresh Kumar	2nd International Conference on Design and Manufacturing Aspects for Sustainable Energy (ICMED 2020)	2020	0	GRIET Hyderabad	0
Comparison of GAN, SIC, SI Technology for High Frequency and High Efficiency Inverters	Phaneendra Babu Bobba and Satyavani Yadlapalli	2nd International Conference on Design and Manufacturing Aspects for Sustainable Energy (ICMED 2020)	2020	0	GRIET Hyderabad	0
Review on Laminated Busbars used in High Frequency Inverters	Bobba Phaneendra Babu	2nd International Conference on Design and Manufacturing Aspects for Sustainable Energy (ICMED 2020)	2020	0	GRIET Hyderabad	0
ANN based Battery Health Monitoring - A	Phaneendra Babu Bobba	International Transportation Electrification Conference	2020	0	GRIET Hyderabad	0

Comprehensive Review		India IEEE:2019				
Design and Development of Dynamic Wireless Power Transfer System for Hybrid Power Source Based EV with Unique SC Cell Voltage Balancing Circuit	Dr. B Phaneendra Babu,Y Satyavani	2019 5th International Conference for Convergence in Technology	2019	0	GRIET Hyderabad	0
Extensive Analysis on Load Dynamics of an Unmanned Aerial Vehicle	Phaneendra Babu Bobba	2019 5th International Conference for Convergence in Technology	2019	0	GRIET Hyderabad	0
Design of Misalignment Tolerant WPT System for Deep Brain Stimulator	Phaneendra Babu Bobba	PEDES 2018	2019	0	GRIET Hyderabad	0
Design of a Universal Wireless Charging System for Mobile and Laptop Applications	Phaneendra Babu Bobba	International Journal of Innovative Technology and Exploring Engineering	2019	0	GRIET Hyderabad	0

Forward converter based switch mode power supply with modified boost converter as PFC	Suresh Kumar T.	International Journal of Innovative Technology and Exploring Engineering	2019	10	GRIET Hyderabad	10
Fifteen level cascaded H-bridge multilevel inverter fed induction motor	Suresh Kumar T.	International Journal of Innovative Technology and Exploring Engineering	2019	10	GRIET Hyderabad	10
Fifteen level cross H bridge multilevel inverter fed PMSM	Suresh Kumar T.	International Conference on Computer Communication and Informatics, ICCCI 2019	2019	14	GRIET Hyderabad	14
Design and Analysis of planar inverted Leaf antenna for WLAN applications	Kumar, T.S., Padhan, D.G.	International Journal of Advanced Science and Technology.	2019	0	GRIET Hyderabad	0
Intelligent Multi-verse-based Fuzzy optimization for LFC model	P Srividyadevi, Rekha M, G. Sandya Rani, M.N. Sandya Rani, J. Sridevi	Advances in Materials and Processing Technologies (Taylor & Francis journal)	2020	0	GRIET Hyderabad	0
Predictive study of Inconel718	Srividyadevi P	Journal of Innovative Technology	2020	1	GRIET Hyderabad	1

mechanical properties at sub-zero temperatures		and Exploring Engineering				
Optimization of Load Frequency with Nature inspired algorithm	P.Sri Vidya Devi	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	0	GRIET Hyderabad	0
Solar Powered Dtmf Controlled Robot over Skype and Its Applications in Various Fields	Dr.P.Srividya Devi, Dr.J.Sridevi	International Journal of Innovative Technology and Exploring Engineering	2019	0	GRIET Hyderabad	0
Effect of different communication delay latencies on LMI based load frequency control model	Palakaluri S.V.D.	International Journal of Recent Technology and Engineering	2019	0	GRIET Hyderabad	0
Optimal PMU placement using binary particle swarm and artificial bee colony with channel limitations	Vijaya Rama Raju V.	2nd International conference on Design and manufacturing aspects for sustainable energy -	2019	0	GRIET Hyderabad	0

and redundancy		2020				
IOT based solar energy prophecy using RNN architecture	V. Vijaya Rama Raju	Hindawi International Journal of Photoenergy	2020	0	GRIET Hyderabad	0
Dual-Mode Photovoltaic Bidirectional Inverter Operation for Seamless Power Transfer to DC and AC Loads with the Grid Interface	B. Pakkiraiah	Lecture Notes in Electrical Engineering-Springer Publisher,	2019	0	GRIET Hyderabad	0
"Solar Tracking System Using IoT,"	Pakkiraiah B	International Journal of Engineering and Advanced Technology (IJEAT),	2019	0	GRIET Hyderabad	0
"Distributed Generation Integration to Grid Using DG Controlled PQ Theory,"	B. Pakkiraiah,	International Journal of Engineering and Advanced Technology (IJEAT),	2019	1	GRIET Hyderabad	1
"Power Quality Improvement of AC Distribution System using 3 Phase PV	B. Pakkiraiah,	International Journal of Engineering and Advanced Technology (IJEAT),	2019	1	GRIET Hyderabad	1

Integrated UPQC with Advanced Control Strategy,"						
"A New Converter Topology Designed for Cascaded H Bridge Fifteen Level Inverter,"	B. Pakkiraiah,	International Journal of Disaster Recovery and Business Continuity	2019	0	GRIET Hyderabad	0
DESIGN AND FABRICATION OF AQUA SILENCER FOR POLLUTION CONTROL	DSNM RAO	Journal Européen des Systèmes Automatisés	2020	0	GRIET Hyderabad	0
Oppositional Teaching and Learning Based Optimization of Economical Load Dispatch Problem with Valve Point Loading Effect	DSNM RAO	International Journal of Innovative Technology and Exploring Engineering	2019	0	GRIET Hyderabad	0
Implementation of single phase srf based	Vinay Kumar A., Praveen J.	International Journal of Innovative Technology	2019	0	GRIET Hyderabad	0

dynamic voltage restorer in distribution system for power quality improvement		and Exploring Engineering				
Development of multilevel cascaded h-bridge inverter based dynamic voltage restorer (DVR)	Awaar V.K., Praveen J.	2nd International conference on Design and manufacturing aspects for sustainable energy - 2020	2019	0	GRIET Hyderabad	0
Adoption Of Multilevel Inverter Based Dynamic Voltage Restorer For Power Quality Improvement With Adjustable Dc-Link Adoption Of Multilevel Inverter Based Dynamic Voltage Restorer For Power Quality Improvemen	A Vinay Kumar, J Praveen	2nd International conference on Design and manufacturing aspects for sustainable energy - 2020	2020	0	GRIET Hyderabad	0

t With Adjustable Dc-Link						
DSP Based Voltage Source Inverter Using SPWN For Application Of Induction Motor Control	Vinay Kumar Awaar, Praveen Jugge	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2020	0	GRIET Hyderabad	0
IOT Based Home Automation using Raspberry PI	Syed Sarfaraj Nawaz, M. karthika	International Journal of Innovative Technology and Exploring Engineering	2020	0	GRIET Hyderabad	0
Rotor power flow control of doubly fed induction generator using dspACE ds1104	Nawaz S.S.	International Journal of Innovative Technology and Exploring Engineering	2019	0	GRIET Hyderabad	0
Induction motor speed control fed by an inverter coupled with DSPACE controller	Nawaz S.S.	International Journal of Innovative Technology and Exploring Engineering	2019	1	GRIET Hyderabad	1
Implementation of UPFC for improving the power	Madhuri V.V.S.	International Journal of Innovative Technology and	2019	0	GRIET Hyderabad	0

flow and voltage stability with fuzzy logic controller		Exploring Engineering (IJITEE)				
Automatic Restoration of the Network by using Distributed Energy Sources	V.V.S Madhuri	International Journal of Recent Technology and Engineering (IJRTE)	2019	0	GRIET Hyderabad	0
Energy Monitoring and Routing for Impending Challenges in SMART GRID	V.V.S. Madhuri, P. Srividyadevi	International Journal of Innovative Technology and Exploring Engineering	2019	0	GRIET Hyderabad	0
Development of a micro grid with renewable energy sources with feedback controller	Usha Rani V	International Journal of Innovative Technology and Exploring Engineering	2019	0	GRIET Hyderabad	0
Electric energy storage solution for standalone photovoltaic and supercapacitor applications in rural areas	Usha Rani V.	Test Engineering and Management	2019	0	GRIET Hyderabad	0
Dynamic	M.Karthika,	Journal of	2020	0	GRIET	0

Machine Modelling and performance of Three Phase Induction Motor using MATLAB/SIMULINK	P. Sirisha, U. Vijayalakshmi, P. Srividya Devi	Materials Engineering and Performance (2019)			Hyderabad	
Microstructure Characteristics and Comparative Analysis of Constitutive Models for Flow Stress Prediction of Inconel 718 Alloy	Mahalle G Kotkunde N Gupta A Sujith R Singh S Lin Y	International Journal of Advanced Manufacturing Technology (2019)	2019			
Material characterization, constitutive modelling, and processing map for superplastic deformation region in Ti-6Al-4V alloy	Wahed M Gupta A Sharma V Mahesh K Singh S Kotkunde N	Journal of Materials Engineering and Performance (2019)	2019			
Analysis of Hot Anisotropic Tensile Flow Stress and Strain Hardening Behavior for	C. Anand BadrisNitin KotkundeGauri MahalleSwadesh Kumar SinghK. Mahesh	International Journal of Material Forming (2019)	2019			

Inconel 625 Alloy						
Warm deep drawing behavior of Inconel 625 alloy using constitutive modelling and anisotropic yield criteria	Kotkunde N Badrish A Morchhale A Takalkar P Singh S	Journal of Materials Engineering and Performance (2019)	2019			
Flow Stress Behavior, Constitutive Modeling, and Microstructural Characteristics of DP 590 Steel at Elevated Temperatures	Sandeep Pandre, Nitin Kotkunde, Prathamesh Takalkar, Ayush Morchhale, Ravindran Sujith, and Swadesh Kumar Singh	Energy Sources, Part A: Recovery, Utilization and Environmental Effects	2019			
Regression and Taguchi–gray analysis for multi response optimization of alternative fuel operated diesel engine with EGR	Rajagopalan Karthikeyan, Kavati Venkateswarlu, Syed Yousufuddin & A Punitha	Materials Today: Proceedings (2019)	2019			
Cowper-symonds strain hardening model for flow	Mahalle G Kotkunde N Gupta A Singh S	Materials Today: Proceedings (2019)	2019			

behaviour of inconel 718 alloy						
Finite element analysis of spring back in Ti-6Al-4V alloy	Wahed M Gadi V Gupta A Supradeepan K Singh S Kotkunde N	Metallography, Microstructure, and Analysis (2019)	2019			
Effect of Processing Routes on Orientation-Dependent Tensile Flow Behavior of Zircaloy-4 at Elevated Temperatures	Limbadri K Singh S Satyanarayana K Singh A Maruthi Ram A Ravindran M Krishna M Chaitanya Reddy M Suresh K	Materials Today: Proceedings (2019)	2019			
Evaluation and optimization of material properties of ASS 316L at elevated temperatures using response surface methodology	Ul Haq A Kavit A Rao T Buddi T Baloji D Satyanarayana K Singh S	Materials Today: Proceedings (2019)	2019			
Evaluation and optimization of Material Properties of ASS316L at sub-zero Temperature	Baloji D Anil K Satyanarayana K Ul Haq A Singh S Naik M	Materials Today: Proceedings (2019)	2019			

Using Taguchi Robust Design						
Influence of temperatures and strain rates on tensile deformation behaviour of DP 590 steel	Pandre STakalkar PKotkunde NSingh SUl Haq A	Materials Today: Proceedings (2019)	2019			
Investigation on microstructure and mechanical properties of treated aisi 440 steel by tempering process -A review	Subbiah R Lokesh K Singh S Chatterjee S Eswaraiah D	Materials Today: Proceedings (2019)	2019			
Study of anisotropic material behavior for inconel 625 alloy at elevated temperatures	Badrish C Kotkunde N Salunke O Singh S	Materials Today: proceedings (2019)	2019			
Optimization of injection Moulding Process in Manufactiuring the Top cap of water meter	N.Sateesh, S.Devakar Reddy, G.Praveen Kumar, Ram.Subbia h	International Journal of Engineering and Advanced Technology (IJEAT)ISS N: 2249 – 8958, Volume-9 Issue-1,	2019			

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Wear Behavior Analysis of Aisi440 Martensitic Steel by Annealing and Tempering Process	K. Lokesh, M. Mamatha Gandhi, S. Ravi Sekhar, N. Sateesh, Ram Subbiah	International Journal of Engineering and Advanced Technology (IJEAT)	2019			
Wear on Thermal &Plasma Spray Coated Al-2014 Alloy under Dry Sliding Conditions	A.Arun, K.Ramya Sree, Ram Subbiah, J.Saranya, N.Sateesh	International Journal of Engineering and Advanced Technology (IJEAT)	2019			
Flexural Strength Behavior of T-Shaped Beam-Column Joint with varying Polypropylene Fibre.	Nagari Vikas, Gude Rama Krishna, N.Sateesh	Materials Today: proceedings (2019)	2019			
Experimental Study of Wear Behaviour on Al-2014 Alloy Coated with Thermal Spray HVOF (High Velocity	RamSubbiah[a]A.Arun[b]A.Anitha.Lakshmi[c]A Naga Sai Harika[d]N.Ram[d]N.Sateesh[e]	International Journal of Mechanical and Production Engineering Research and Development (2019)	2019			

Oxy-Fuel) and Plasma Spray Process– A Review						
An effect of graphite nano-particles on dry sliding wear behaviour of AA2014/SIC metal matrix composite	Manikonda R Sreekara Reddy M Arul Raj K Subbiah R Manikonda R Sreekara Reddy M Arul Raj K Subbiah R	International Journal of Engineering and Advanced Technology (2019)	2019			
Characterization of friction surfaced deposits on low carbon steel	Ravi Sekhar S Chittaranjan Das V Govardhan D Subbiah R	International Journal of Engineering and Advanced Technology (2019)	2019			
Design, analysis and manufacturing of a weight lifting human sized exo-skeleton	Tadepalli L Sunil Kumar Reddy K Subbiah R	Materials Today: Proceedings (2019)	2019			
Experimental study on wear resistance of AISI 347 treated with salt bath nitriding and gas nitriding processes-a	Singha S Naveenb C Saic Y Satish U Bandhavi CSubbiah R	Materials Today: Proceedings (2019)	2019			

review						
Investigation on microstructure and mechanical properties of P91 alloy steel treated with normalizing process - A review	Subiah R Rahel M Sravika A Ambika R Srujana A Navya E	International Journal of Engineering and Advanced Technology (2019)	2019			
Tribological properties on p91 alloy steel treated with normalizing & carburizing process	Rahel M Tadepalli L Balubai M Sunil Kumar Reddy K Subbiah R	Materials Today: Proceedings (2019)	2019			
Dry sliding wear behavior of AISI310 stainless steel with low temperature salt bath nitriding and gas nitriding processes	Naveen C Bhandhavi C Ramya Sree K Mamatha Gandhi M Subbiah R	Materials today Proceedings(2019)	2019			
An integrated ANN-PSO approach to optimize the material removal rate and surface	K. Naveen Babu, R. Karthikeyan, A. Punitha	AIP conference proceedings	2019			

roughness of wire cut EDM on INCONEL 750						
Performance evaluation of heat exchanger and tube distinct fin configuratio ns	V. Praveena, R. Karthikeyan, D. eswaraiah	International Journal of Engineering and Advanced Technology(IJEAT)	2019			
Optimization of Heat Transfer Coefficient for $Al_2O_3(75\%)$-CuO(25%)/ Water Hybrid Nanofluid using Taguchi	K. Prashanth Reddy, Brahmara Panitapu, Ramesh Chilukuri, R karhikeyan, A. Kalyan Kumar	Materials Today: Proceedings (2019)	2019			
Evaluation and optimization of material properties of brass at subzero temperature using taguchi robust design	Sandeep, M., Jayahari, L., Satyanara yana, K., Dinesh, M., Kumar, V.V.	Materials Today: Proceedings (2019)	2019			
Optimization of Wear and Friction parameters of	AshishKuma r[a]RishabhKu mar[a]V.K.Son i[b]R.S.Rana[b] RajeshPuroh	Materials Today: Proceedings (2019)	2019			

(LM24/B$_4$C) Composite using Taguchi Technique	it^{c}Jayahari^d					
Investigation of mechanical properties of Al 7075/SiC/MoS2 hybrid composite	Maruthi Varun, K., Raman Goud, R.	Materials Today: Proceedings (2019)	2019			
The effect of temperature on formability of EDD steel	Raman Goud, R., Rachala, A.	Materials today proceedings (2019)	2019			
Experimental Taguchi approach and Gray-Taguchi optimization on mechanical properties of aluminum 8011 alloy sheet under uniaxial tensile loads	Mahesh Reddy, D., Anitha Lakshmi, A., Ul Haq, A.	Materials today proceedings (2019)	2019			
Comparative study on mechanical behavior of ASS 316L for low and high temperature applications	Harshini, D., Ul Haq, A., Buddi, T., Ajay Kumar, K., Anitha Lakshmi, A.	Materials today proceedings (2019)	2019			

Prediction Of Superplasticity Of Austenitic Stainless Steel -304 At Hot Working Temperatures	A. Anitha Lakshmi1*, Ch. Srinivasa Rao2 , Ahsan ul haq3 , George varghese4 ,Tanya Buddi1	Materials today proceedings (2019)	2019			
Development of Epoxy/Nano SiC composites and their Mechanical Studies	ArchanaNigrawal[a]TanyaBuddi[b]R.S.Rana[a]RajeshPurohit[a]	International Journal of Ambient Energy	2019			
Effect of turbulence and multiple injection strategies on homogeneous charge compression ignition (HCCI) diesel engines–a review	Venkateswarlu, K., Ramakrishna, K.	AIP Conference Proceedings	2019			
Effect of oxygenated and metal-based additives on performance, combustion and emission characteristics of Mahua	U S Jyothi, GopinathLavu, B.Shankarachary	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019			

bio-diesel at optimal blend						
Experimental and Numerical Analysis of Composite Wick Heat Pipes using Ethanol	Purbhasu Bhadra, B.Ch. Nookaraju	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019			
Effect of Filling Ratio on Thermal Characteristics and Performance of a Pulsating Heat Pipe	J. Venkata Suresh, Dr.P. Bghramara, CH. Nav	International Journal of Ambient Energy	2019			
CFD analysis on particle diameter in hydrogen-enriched diesel engine for different piston bowl geometries	U S Jyothi, K. Vijay Kumar reddy		2019			
Malicious User Detection in Cooperative Sensing Environment Using robust distance	Dr.N.Swetha	International Conference on Inventive Computation Technology	2019-20	Scopus	GRIET-ECE	1
Comparative Experimental Analysis of different Op-	Dr.Mamatha samson	InternationalConferenceonEmergingTrendsinInformatio	2019-20	Scopus	GRIET-ECE	

amps using 180nm CMOS Technology		nTechnologyandEngineering (ic-ETITE)				
Efficient SBT Architecture for HEVC	Dr.Mamatha samson	Ist International Conference on Data Science, Machine Learning and Applications, 2019; Hyderabad; India; 29 March 2019 through 30 March 2019; Code 240289	2019-20	Scopus	GRIET-ECE	
Simple IOT simulation	Dr Vishnubhatla Arvind	IJTEE	2019-20	Scopus	GRIET-ECE	
Unit Testing of ETSI DECT Codec	Dr Vishnubhatla Arvind	IJTEE	2019-20	Scopus	GRIET-ECE	
Simulating Multimedia IOT	Dr Vishnubhatla Arvind	IJTEE	2019-20	Scopus	GRIET-ECE	
Requirement Gathering for Multi-tasking Autonomous Bus	Dr. V Aravind	International conference on Computer Networks, Big data and IoT	2019-20	Scopus	GRIET-ECE	
A Reliable Automation of Motorized Berth Climb	Dr. V Aravind	International conference on Computer Networks, Big data and IoT	2019-20	Scopus	GRIET-ECE	
Linux Server based Automatic online ticketing kiosk	Dr. V Aravind	International conference on Computer Networks, Big data and IoT	2019-20	Scopus	GRIET-ECE	

Optimal, Secure Cluster Head Placement Through Source Coding Techniques in Wireless Sensor Networks	Dr. Tata Jagannadha swamy	IEEE Communications Letters	2019-20	Scopus	GRIET-ECE	1
Novel Secure Multipurpose Information Service and Management system with the help and Management System with the help of Internet of Things	Dr. T. Jagannadha Swamy	International Conference on Computer Communication and Informatics (ICCCI-2020)	2019-20	Scopus	GRIET-ECE	
Lung Cancer Image-Feature Extraction and Classification using GLCM and SVM classifier.	Ankita, R., Kumari, C. U., Mehdi, M. J., Tejashwini, N., & Pavani, T	IJTEE	2019-20	Scopus	GRIET-ECE	1
Benign and malignant tumor classification using machine learning technique	**Usha Kumari**, Madhusudhana Rao, Kumar M.N.V.S.S, Pinniti K, Prasad Reddy M.P.,	International Journal of Recent technology and Engieeriing	2019-20	Scopus	GRIET-ECE	1
Lung Cancer Detection from Computed Topography Images using	**Dr.Ch.Usha Kumari**	Test Engineering and Management, Volume 83pp: 9005 - 9007	2019-20	Scopus	GRIET-ECE	1

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Marker controlled Watershed						
Sleep Bruxism Disorder Detection and Feature Extraction Using Discrete Wavelet Transform	Dr. Usha Kumari	Proceedings of ICETIT 2019	2019-20	Scopus	GRIET-ECE	1
Heart Rhythm Abnormality Detection and Classification using Machine Learning Technique	Dr. Usha Kumari	Proceedings of the 4th International Conference on Trends in Electronics and Informatics	2019-20	Scopus	GRIET-ECE	
"Image encryption and decryption using chaotic bit level pixel permutation	Dr. Usha Kumari	Test Engineering and Management, Volume 83pp: 9005 - 9007 April 2020	2019-20	Scopus	GRIET-ECE	
Key-Based Functional Obfuscation of Integrated Circuits for a Hardware Security	Dr.D.Jayanthi	2019 2nd International Conference on Intelligent Computing, Instrumentatio n and Control Technologies (ICICICT)	2019-20	Scopus	GRIET-ECE	
Securing Designs of an Area Efficient BIST Technique in UART	Dr.D.Jayanthi	2nd international conference on Intelligent computing	2019-20	Scopus	GRIET-ECE	

Detection of Cardiac arrhythmia using fuzzy logic	Dr.K.Padmavathi	Informatics in Medicine Unlocked	2019-20	Scopus	GRIET-ECE	2
Gsm Based Face Recognition using Pir Sensor on Raspberry Pi 3	Dr.K.Padmavathi	IJTEE	2019-20	Scopus	GRIET-ECE	
IoT Based Smart Surveillance System for Healthcare Monitoring using Raspberry PI	Dr.K.Padmavathi	IJTEE	2019-20	Scopus	GRIET-ECE	
Design of Delay and Energy Efficient Low Voltage Dual Tail Comparator by Using Sleep Transistor	Dr.K.Padmavathi	International Conference on Data Science, Machine Learning and Applications	2019-20	Scopus	GRIET-ECE	
An optimized blind dual medical image watermarking framework for tamper localization and content authentication in secured telemedicine	Dr.K.Swaraja	Biomedical Signal Processing and Control	2019-20	Scopus	GRIET-ECE	13
Robust Optimized Discrete	Dr.K.Swaraja	Traitment Du signal	2019-20	Scopus	GRIET-ECE	3

Wavelet Transform-Singular Value Decompositio n Based Video Watermarking						
Handoff strategies between wireless fidelity to light fidelity systems for improving video streaming in high-speed vehicular networks.	Dr.Valiveti Himabindu	International Journal of Circuit Theory and Applications.	2019-20	Scopus	GRIET-ECE	2
Feature extraction algorithms to improve the speech emotion recognition rate	Dr.Valiveti Himabindu	International Journal of Speech Technology	2019-20	Scopus	GRIET-ECE	7
Improved selection of separate V2V communicatio n assets for Lte	Dr.Valiveti Himabindu	IJEAT	2019-20	Scopus	GRIET-ECE	3
Logically Optimal Novel 4: 2 Compressor Architectures for High-Performance Applications	Dr.V.Srihari	Arabian Journal for Science and Engineering	2019-20	Scopus	GRIET-ECE	
Efficient implementatio n	Dr.V.Srihari	International Journal of	2019-20	Scopus	GRIET-ECE	1

n of mixed-precision multiply-accumulator unit for AI algorithms		Circuit Theory and Applications.				
An intelligent energy efficient cooperative MIMO-AF multi-hop and relay based communications for Unmanned Aerial Vehicular networks.	Dr.N.Arun Vignesh	Computer Communications	2019-20	Scopus	GRIET-ECE	1
Implementation of Low density Parity Check system using Probabilistic Gradient Descent Bit Flipping Decoder	Dr.N.Arun Vignesh	IJTEE	2019-20	Scopus	GRIET-ECE	
Performance Analysis of Various Routing Protocols for VANET Environments	Dr.N.Arun Vignesh	IJTEE	2019-20	Scopus	GRIET-ECE	3
A Novel Approach for detection of the symptomatic patterns in the acoustic biological signal using	Dr.N.Arun Vignesh	International Conference on Intelligent computing,instrumentation and control Technologies	2019-20	Scopus	GRIET-ECE	

Truncation Multiplier						
A Survey on Energy Efficient Image Transmission in WSN	Dr.N.Arun Vignesh	International Conference on Intelligent computing,instrumentation and control Technologies	2019-20	Scopus	GRIET-ECE	
Design and Fabrication of SHRALA: Social Humanoid Robot Based on Autonomous Learning Algorithm	Dr.Sudharsan Jayabalan	Third International Conference on Computing and Network Communications (CoCoNet'19)	2019-20	Scopus	GRIET-ECE	
Surface Density Gradient Engineering Precedes Enhanced Diffusion; Drives CMOS In-Line Process Flow Compatible Cu–Cu Thermocompression Bonding at 75° C.	Dr.Asisa Kumar Panigrahi	IEEE Transactions on Device and Materials Reliability,	2019-20	Scopus	GRIET-ECE	3
Investigations on metamaterial based log periodic dipole antenna	Dr.T.Pavani	Test Engineering	2019-20	Scopus	GRIET-ECE	
Design of Metamaterial Loaded	Dr.T.Pavani	Microelectronics, Electromagnet	2019-20	Scopus	GRIET-ECE	

Dipole Antenna for GPR		ics				
Identify the user presence by GLRT and NP detection criteria in cognitive radio spectrum sensing	Dr.Budati Anil Kumar	and Telecommunications, Lecture Notes in Electrical Engineering	2019-20	Scopus	GRIET-ECE	6
Test pattern generation using thermometer code counter in TPC technique for BIST implementation	K.Jamal	Microprocessors and Microsystems	2019-20	Scopus	GRIET-ECE	4
FPGA Implementation of SIC Pair Generator	K.Jamal	Proceedings of the Fifth International Conference on Communication and Electronics Systems	2019-20	Scopus	GRIET-ECE	
Design of Multiplier with Dual Mode Based Approximate Full Adder	K.Jamal	Proceedings of the Fifth International Conference on Communication and Electronics Systems (ICCES 2020)	2019-20	Scopus	GRIET-ECE	
Weighted Pseudorandom Based Deterministic Bist for Fault Testing and	K.Jamal	2019 International Conference on Communication and Electronics	2019-20	Scopus	GRIET-ECE	2

		Systems (ICCES)				
An Improved denoising of medical images based on hybrid filter approach and assess quality metrics.	M.Suneetha	in Journal of Bioinformatics and Biological Engineering(JBBE)	2019-20	Scopus	GRIET-ECE	
Performance Analysis of Cross-layer Efficient Selfishness Prevention Routing Protocol for the Dynamic CR Networks	Suseela R.S.U	IJTEE	2019-20	Scopus	GRIET-ECE	1
Performance Evaluation of Stochastic Gammatone Filters	Sumalatha G.L.	International Conference on Data Science, Machine Learning and Applications	2019-20	Scopus	GRIET-ECE	
A brief Review on techniques used for Breast cancer detection using antennas	Shilpa B	International Conference on Computer Communication and Informatics (ICCCI -2020	2019-20	Scopus	GRIET-ECE	
Multilingual sentiment Analysis of Hinglish Tweets	L Sukanya	Indian Journal of Public Health Research & Development	2018	1	Gokaraju Rangaraju Institute of Engineering and Technology	1
Social Network	N V Ganapathi	Jour of Adv Research in	2018	0	Gokaraju Rangaraju Institute of	0

inference for optimized ECommerce using Emotion AI	Raju	Dynamical & Control Systems			Engineering and Technology	
Medical Disease Prediction using Grey Wolf optimization and Auto Encoder based Recurrent Neural Network	Y. J Nagendra Kumar	Periodicals of Engineering and Natural Sciences	2018	12	GRIET	12
Data Science: Identifying influencers in Social Networks	Y. J Nagendra Kumar	Periodicals of Engineering and Natural Sciences	2018	5	GRIET	5
A Study of Identifying Structural Hole Spanners in Large Scale Networks	Y Srilalitha	International Journal of Engineering and Technology	2018	0	Gokaraju Rangaraju Institute of Engineering and Technology	0

3.4.6 h-index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the paper	Name of the author	International Journal of Innovative Technology and Exploring Engineering (IJITEE), Volume-8 Issue-12S,	Year of publication	h-index	Number of citations excluding self citations	Institutional affiliation as mentioned in the publication

Characteristics of Paper brick with Inequitable Substitution of Cement	M.S. Britto Jeyakumar	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	1	2	GRIET Hyderabad
Characteristics of Paper brick with Inequitable Substitution of Cement	Y.Kamala Raju	International Journal of Recent Technology and Engineering (IJRTE)	2019	1	3	GRIET Hyderabad
Pavement Overlay Design Using Falling Weight Deflectometer	I.Chandana	International journal of innovative technology and exploring engineering(IJITEE)	2019	0	0	GRIET Hyderabad
Inquiry on mechanical properties of M3O grade concrete with partial replacement of copper slag and dolomite powder for fine aggregate and cement	G. V. V Satyanarayana	International journal of innovative technology and exploring engineering(IJITEE)	2019			GRIET Hyderabad
Effect on mechanical properties of M35 grade concrete by partial replacement of fine	G. V. V Satyanarayana	International journal of innovative technology and exploring engineering(IJITEE)	2019			GRIET Hyderabad

aggregate with copper slag						
Effect of Dolomite Powder on Mechanical properties of M40 grade concrete when cement was partially replaced	G. V. V Satyanarayana	International Journal of recent technology and engineering	2019			GRIET Hyderabad
Durability Properties of M60 grade self-compacting concrete with partial replacement of cement by GGBS, lime powder and Metakaolin	G. V. V Satyanarayana	International journal of innovative technology and exploring engineering(IJITEE)	2019			GRIET Hyderabad
Effect of Air Quality Parameters in Hyderabad and Mapping Using QGIS and Detection Management Software	K.Hemalatha	International journal of innovative technology and exploring engineering(IJITEE)	2019	0	0	GRIET Hyderabad
Modulus of Elasticity on High Performance Glass Fibre	Y.Kamala Raju	International Journal Of Recent Technology And Engineering	2019	1	3	GRIET Hyderabad

RCC Beams With Partial Replacement of Cement by Silica Fume		((IJRTE)				
Influence of support reactions on RCC building frames a computational method	Y.Kamala Raju	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	1	3	GRIET Hyderabad
Mechanical and Durability Properties of Fly Ash and GGBS Based Fiber Reinforced concrete	N.Sanjeev	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	1	1	GRIET Hyderabad
An Experimental Programme on Fibre Reinforced Concrete with OPC, Fly Ash, GGBS and Metakaolin	N.Sanjeev	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	1	1	GRIET Hyderabad
Mechanical and Durability Properties of Fibre reinforced concrete made with OPC, GGBS and	N.Sanjeev	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	1	1	GRIET Hyderabad

Metakaolin						
An Experimental Programme on FRC with OPC, Flyash, GGBS, and Metakaolin	N.Sanjeev	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	1	1	GRIET Hyderabad
Mechanical Properties of Concrete with Mineral Admixtures - an Experimental Programme	N.Sanjeev	International Journal of Engineering and Advanced Technology (IJEAT)	2019	1	1	GRIET Hyderabad
Strength and Durability Characteristics of Steel Fibre Reinforced Concrete with Mineral Admixtures	N.Sanjeev	International Journal of Recent Technology and Engineering (IJRTE)	2019	1	1	GRIET Hyderabad
Pavement Overlay Design Using Falling Weight Deflectometer	G.Swetha	International journal of innovative technology and exploring engineering(IJITEE)	2019	0	0	GRIET Hyderabad
Effect of Air Quality Parameters in Hyderabad and	G.Swetha	International Journal of Civil Engineering and Technology (IJCIET)	2019	0	0	GRIET Hyderabad

Mapping Using QGIS and Detection Management Software						
Studies on the behaviour of sulphate attack resistance of low calcium fly ash and slag based geopolymer concrete	T.Srinivas	International Journal of Engineering and Advanced Technology (IJEAT)	2019	2	11	GRIET Hyderabad
Seismic Effect on Design of Residential Multi-Storey Building (Stilt+17 Floors) In Zone-III and Zone-IV using Etabs	T.Srinivas	International journal of innovative technology and exploring engineering(IJIT EE)	2019	2	11	GRIET Hyderabad
Sulphate attack Resistance of Geo-polymer Concrete made with Partial Replacement of Coarse Aggregate by Recycled Coarse Aggregate	T.Srinivas	International journal of innovative technology and exploring engineering(IJIT EE)	2019	2	11	GRIET Hyderabad
Permeation Properties of	T.Srinivas	International Journal of Engineering and	2019	2	11	GRIET Hyderabad

Geopolymer Concrete Made with Partial Replacement of Recycled Coarse Aggregates		Advanced Technology (IJEAT)				
Mechanical Properties of Geopolymer Concrete Made With Partial Replacement of Coarse Aggregate by Recycled Aggregate	T.Srinivas	International journal of innovative technology and exploring engineering(IJITEE)	2019	2	11	GRIET Hyderabad
Effect of Air Quality Parameters in Hyderabad and Mapping Using QGIS and Detection Management Software	T.Srinivas	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	2	11	GRIET Hyderabad
Impact of Ground Water Due to The Solid and Liquid Dump and Evaluating Various Parameters in The Leachate	S.Venkata Charyulu	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	1	1	GRIET Hyderabad
Mechanical behaviour of	V.Mallikarju	International Journal of Recent	2019	2	10	GRIET

Self-compacting concrete using rice husk ash & M-Sand	na Reddy	Technology and Engineering (IJRTE)				Hyderabad
Mechanical Properties of Fibre Reinforced Self Compacting Concrete using Rice Husk Ash	V.Mallikarjuna Reddy	International Journal of Recent Technology and Engineering (IJRTE)	2019	2	10	GRIET Hyderabad
Effect of Polyethylene Glycol in Self-Curing of Self Compacting Concrete	V.Mallikarjuna Reddy	International Journal of Recent Technology and Engineering (IJRTE)	2019	2	10	GRIET Hyderabad
Durability Properties of Self Compacting Concrete by using M-Sand as Fine Aggregate	V.Mallikarjuna Reddy	International Journal of Recent Technology and Engineering (IJRTE)	2019	2	10	GRIET Hyderabad
Effect of Elevated Temperatures on Fiber Reinforced Self Compacting Concrete	V.Mallikarjuna Reddy	International Journal of Recent Technology and Engineering (IJRTE)	2019	2	10	GRIET Hyderabad
PCC constituents quantification through partial replacement	V.Mallikarjuna Reddy	International Journal of Civil Engineering and Technology (IJCIET)	2019	2	10	GRIET Hyderabad

of fine aggregate and cement						
Evaluation Of Cementing Efficiency In Quaternary Blended Self-Compacting Concrete	V Srinivasa Reddy	International Journal of Recent Technology and Engineering (IJRTE)	2019	3	30	GRIET Hyderabad
Strength Conversion Factors for Concrete Based On Specimen Geometry, Aggregate Size and Direction of Loading	V Srinivasa Reddy	International Journal of Engineering and Advanced Technology (IJEAT),	2019	3	30	GRIET Hyderabad
Appraisal of Processing Techniques for Recycled Aggregates in Concrete	V Srinivasa Reddy	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	3	30	GRIET Hyderabad
Microstructural Characterization of Calcite Mineral Precipitation in Bacteria Incorporated Concrete	V Srinivasa Reddy	International Journal of Recent Technology and Engineering (IJRTE)	2019	3	30	GRIET Hyderabad
Optimization and Development of High-	V Srinivasa Reddy	International Journal of Recent Technology and Engineering	2019	3	30	GRIET Hyderabad

Strength High-Volume Fly Ash Concrete Mixes		(IJRTE)				
Performance Evaluation of High-Strength High-Volume Fly Ash Concrete	V Srinivasa Reddy	International Journal of Recent Technology and Engineering (IJRTE)	2019	3	30	GRIET Hyderabad
Strength Appraisal of Light Weight Green Concrete Made with Cold Bonded Fly Ash Coarse Aggregate	V Srinivasa Reddy	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	3	30	GRIET Hyderabad
Statistical Models for Mechanical Properties of Basalt Fibre Reinforced Concrete	V Srinivasa Reddy	International Journal of Engineering and Advanced Technology (IJEAT),	2019	3	30	GRIET Hyderabad
Flexural Capacity of Concrete Beams Reinforced with Basalt Fibre Rebars	V Srinivasa Reddy	International Journal of Recent Technology and Engineering (IJRTE)	2019	3	30	GRIET Hyderabad
Cementing Efficiency of Rice Husk	V Srinivasa Reddy	International Journal of Recent Technology and	2019	3	30	GRIET Hyderabad

Ash and Ground Granulated Blast Furnace Slag in M60 grade Self Compacting Concrete		Engineering (IJRTE)				
Estimation of Ground Granulated Blast Furnace Slag and Rice Husk Ash Cementing Efficiency in Low and Medium Grade Self-Compacting Concretes	V Srinivasa Reddy	Indian Geotechnical Conference 2019 Geo Indus	2019	3	30	GRIET Hyderabad
Study on CBR of lime and cement stabilized copper slag cushion laid over expansive soil	C Lavanya	Indian Geotechnical Conference 2019 Geo Indus	2019	2	6	GRIET Hyderabad
A geotechnical study on breached summer storage tank	C Lavanya	A Fuzzy Logic-Based Clustering Algorithm for WSN to Extend the Network Lifetime	2019	2	6	GRIET Hyderabad
	Nayak P., Devulapalli A.	Energy Efficient Clustering Algorithm for Multi-Hop	2016		162	GRIET

		Wireless Sensor Network Using Type-2 Fuzzy Logic				
	Nayak P., Vathasavai B.	A survey on Authorship Profiling techniques	2017		49	
	Raghunadha Reddy T., Vishnu Vardhan B., Vijayapal Reddy P.	Real-time moving object detection algorithm on high-resolution videos using GPUs	2016		22	
	Kumar P., Singhal A., Mehta S., Mittal A.	Taguchi analysis on cutting force and surface roughness in turning MDN350 steel	2016		18	
	Kosaraju S., Chandraker S.	A hybrid method for parameter estimation of software reliability growth model using Modified Genetic Swarm Optimization with the aid of logistic exponential testing effort function	2015		9	
	Rao K.M., Anuradha K.	Analysis of random way point and random walk mobility model	2016		8	

		for reactive routing protocols for MANET using netsim simulator				
	Nayak P., Sinha P.	An efficient method for software reliability growth model selection using modified particle swarm optimization technique	2016		8	
	Mallikharjuna Rao K., Anuradha K.	Adaptive PSO based association rule mining technique for software defect classification using ANN	2015		8	
	Dhanalaxmi B., Apparao Naidu G., Anuradha K.	Importance of supervised learning in prediction analysis	2015		7	
	Aruna Flarence R., Bethu S., Sowmya V., Anusha K., Sankara Babu B.	Genetic algorithm based clustering approach for wireless sensor network to optimize routing techniques	2018		5	
	Nayak P., Vathasavai B.	A clustering algorithm for WSN to optimize the network lifetime	2017		5	

		using type-2 fuzzy logic model			
	Pushpalatha D.V., Nayak P.	Automatic personality recognition of authors using big five factor model	2016		5
	Pramodh K.C., Vijayalata Y.	Rank based efficient task scheduler for cloud computing	2017		4
	Ettikyala K., Latha Y.V.	GPU Based Video Tracking System	2016		4
	Rao G.M., Rao C.M.	Impact of random mobility models for reactive routing protocols over MANET	2016		4
	Nayak P., Vathasavai B.	Securities and threats of cloud computing and solutions	2016		4
	Gayatri P., Venunath M., Subhashini V., Umar S.	Empirical evaluations using character and word N-grams on authorship attribution for Telugu text	2018		3
	Nagaprasad S., Raghunadha Reddy T., Vijayapal Reddy P.,	Influence of lexical, syntactic and structural features and their combination on	2015		3

	Vinaya Babu A., VishnuVardhan B.	Authorship Attribution for Telugu Tex				
	NagaPrasad S., Narsimha V.B., Vijayapal Reddy P., Vinaya Babu A.	A Novel Approach in Clustering Algorithm to Evaluate the Performance of Regression Analysis	2015		3	
	Govinda Rao S., Varaprasada Rao P., Rambabu R., Chandra Sekahar Reddy P.	Medical disease prediction using grey wolf optimization and auto encoder based recurrent neural network	2018		2	
	Sankara Babu B., Suneetha A., Charles Babu G., Jeevan Nagendra Kumar Y., Karuna G.	Data science: Identifying influencers in social networks	2018		2	
	Bethu S., Sowmya V., Sankara Babu B., Charles Babu G., Jeevan Nagendra Kumar Y.	Neural Network Approach for Reusable Component Handling	2018		2	
	Krishna Chythanya N.,	Defect classification using relational	2017		2	

	Rajamani L.	association rule mining based on fuzzy classifier along with modified artificial bee colony algorithm				
	Dhanalaxmi B., Naidu G.A., Anuradha K.	A rule-based prediction method for defect detection in software system	2017		2	
	Dhanalaxmi B., Appa Rao Naidu G., Anuradha K.	Dynamic and probabilistic key management for distributed wireless sensor networks	2017		2	
	Vijaya Saraswathi R., Padma Sree L., Anuradha K.	Analysis of early detection of emerging patterns from social media networks: A data mining techniques perspective	2017		2	
	Sucharitha Y., Vijayalata Y., Kamakshi Prasad V.	Motif shape primitives on fibonacci weighted neighborhood pattern for age classification	2019		1	
	Chandra Sekhar Reddy P., Vara Prasad Rao P.,	Load effectiveness on coverage-technique for test case	2019		1	

	Kiran Kumar Reddy P., Sridhar M.	prioritization in regression testing			
	Madhavi K., Bhavyasri G., Ramesh G., Rao C.M., Gottemukka la L.	ML based HCC survival prediction system	2019	1	
	Vikas J., Reddy G.V., Raju N.V.G., Hanuman A.S., Kolli L.S.	Age grouping with central local binary pattern based structure co-occurrence features	2019	1	
	Chandra Sekhar Reddy P., Govinda Rao S., Sakthidhara n G.R., Varaprasad a Rao P.	A Fuzzy Logic based Dynamic Channel allocation Scheme for wireless Cellular networks to optimize the frequency reuse	2018	1	
	Nayak P., Bhavani V., Shanthi M.	An image watermarking scheme using threshold based secret sharing	2017	1	
	Bhargavi Latha S., Venkata Reddy D., Damodaram A.	Influence of Token Similarity Measures for Semantic Textual Similarity	2017	1	

	Sowmya V., Vardhan B.V., Raju M.S.V.S.B.	An efficient offline Tamil handwritten character recognition system using zernike moments and diagonal-based features	2016		1	
	Ashlin Deepa R.N., Rajeswara Rao R.	Application of Support Vector Regression on Mechanical Properties of Austenitic Stainless Steel 304 at Elevated Temperatures	2016		1	
	Kanumuri L., Srishuka M., Gupta A.K., Singh S.K.	Variant Nearest Neighbor Classification Algorithm for Text Document	2015		1	
	Bhadri Raju M.S.V.S., Vishnu Vardhan B., Sowmya V.	International Journal of Engineering and Advanced Technology (IJEAT)	2014		1	
Modelling of DVR with Artificial Intelligence for Compensate the Voltage Sag, Swell and Flickers by Using SVPWM Switching Techniques	J.Praveen	International Journal of Recent Technology and Engineering	2020	5	0	GRIET Hyderabad

in Distribution Lines							
Implementation of DSP based voltage source inverter (VSI) by using sinusoidal pulse width modulation technique	Praveen J., Vinay Kumar A.	International Journal of Recent Technology and Engineering (IJRTE)	2019		1	GRIET Hyderabad	
Power Loss Reduction using Instantaneous Network Reconfiguration and DG placement with Cuckoo Search Algorithm in Distribution System	Jami Sridevi	International Journal of Advanced Science and Technology.	2020	2	0	GRIET Hyderabad	
Congestion Management With Static Voltage Stability Index Approach Incorporated With Svc And Tcsc Using Cat-Firefly Algorithm In Deregulated Power System	J Sridevi, usha rani	International conferenceon Renewable Energgy Interation into Smart Grids(ICREISG-2020)	2020		0	GRIET Hyderabad	

Energy Mangament of Renewable and Alternative Energy in Domestic Cooking	Dr.J.Sridevi	IEEE ICECIE 2019 lnternational Conference on Electrical, Control and lnstrumentation Engineering	2020		0	GRIET Hyderabad
lntegration of Renewable DGs to Radial Distribution System lor Loss Reduction and Voltage Profile lmprovement	Jami Sridevi; Usha Rani V;	International Journal of Recent Technology and Engineering	2019		0	GRIET Hyderabad
Power system stability enhancement using FACTS devices	Padhan.D.G.	International Journal of Applied Electromagnetics and Mechanics	2019	6	0	GRIET Hyderabad
Design and development of wireless power transfer system for implantable cardioverter defibrillator	Phaneendra Babu Bobba and Y. Satyavani	Materials Today: Proceedings	2020	5	0	GRIET Hyderabad
Feasibility analysis of different conducting and insulation materials used in laminated	PhaneendraBabu Bobba, T.Suresh Kumar	2nd International Conference on Design and Manufacturing Aspects for Sustainable Energy (ICMED 2020)	2020		0	GRIET Hyderabad

busbars						
Comparison of GAN, SIC, SI Technology for High Frequency and High Efficiency Inverters	Phaneendra Babu Bobba and Satyavani Yadlapalli	2nd International Conference on Design and Manufacturing Aspects for Sustainable Energy (ICMED 2020)	2020		0	GRIET Hyderabad
Review on Laminated Busbars used in High Frequency Inverters	Bobba Phaneendra Babu	2nd International Conference on Design and Manufacturing Aspects for Sustainable Energy (ICMED 2020)	2020		0	GRIET Hyderabad
ANN based Battery Health Monitoring - A Comprehensive Review	Phaneendra Babu Bobba	International Transportation Electrification Conference India IEEE:2019	2020		0	GRIET Hyderabad
Design and Development of Dynamic Wireless Power Transfer System for Hybrid Power Source Based EV with Unique SC Cell Voltage Balancing Circuit	Dr. B Phaneendra Babu,Y Satyavani	2019 5th International Conference for Convergence in Technology	2019		0	GRIET Hyderabad
Extensive Analysis on Load Dynamics of	Phaneendra Babu Bobba	2019 5th International Conference for Convergence in	2019		0	GRIET Hyderabad

		Technology				
an Unmanned Aerial Vehicle						
Design of Misalignment Tolerant WPT System for Deep Brain Stimulator	Phaneendra Babu Bobba	PEDES 2018	2019		0	GRIET Hyderabad
Design of a Universal Wireless Charging System for Mobile and Laptop Applications	Phaneendra Babu Bobba	International Journal of Innovative Technology and Exploring Engineering	2019		0	GRIET Hyderabad
Forward converter based switch mode power supply with modified boost converter as PFC	Suresh Kumar T.	International Journal of Innovative Technology and Exploring Engineering	2019	10	10	GRIET Hyderabad
Fifteen level cascaded H-bridge multilevel inverter fed induction motor	Suresh Kumar T.	International Journal of Innovative Technology and Exploring Engineering	2019		10	GRIET Hyderabad
Fifteen level cross H bridge multilevel inverter fed PMSM	Suresh Kumar T.	International Conference on Computer Communication and Informatics, ICCCI 2019	2019		14	GRIET Hyderabad
Design and Analysis of planar	Kumar, T.S., Padhan, D.G.	International Journal of Advanced	2019		0	GRIET Hyderabad

inverted Leaf antenna for WLAN applications		Science and Technology.				
Intelligent Multi-verse-based Fuzzy optimization for LFC model	P Srividyadevi, Rekha M, G. Sandya Rani, M.N. Sandya Rani, J. Sridevi	Advances in Materials and Processing Technologies(Taylor & Francis journal)	2020	2	0	GRIET Hyderabad
Predictive study of Inconel718 mechanical properties at sub-zero temperatures	Srividyadevi P	Journal of Innovative Technology and Exploring Engineering	2020		1	GRIET Hyderabad
Optimization of Load Frequency with Nature inspired algorithm	P.Sri Vidya Devi	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019		0	GRIET Hyderabad
Solar Powered Dtmf Controlled Robot over Skype and Its Applications in Various Fields	Dr.P.Srividya Devi, Dr.J.Sridevi	International Journal of Innovative Technology and Exploring Engineering	2019		0	GRIET Hyderabad
Effect of different communication delay latencies on LMI based load frequency control model	Palakaluri S.V.D.	International Journal of Recent Technology and Engineering	2019		0	GRIET Hyderabad

Optimal PMU placement using binary particle swarm and artificial bee colony with channel limitations and redundancy	Vijaya Rama Raju V.	2nd International conference on Design and manufacturing aspects for sustainable energy - 2020	2019	3	0	GRIET Hyderabad
IOT based solar energy prophecy using RNN architecture	V. Vijaya Rama Raju	Hindawi International Journal of Photoenergy	2020		0	GRIET Hyderabad
Dual-Mode Photovoltaic Bidirectional Inverter Operation for Seamless Power Transfer to DC and AC Loads with the Grid Interface	B. Pakkiraiah	Lecture Notes in Electrical Engineering-Springer Publisher,	2019	4	0	GRIET Hyderabad
"Solar Tracking System Using IoT,"	Pakkiraiah B	International Journal of Engineering and Advanced Technology (IJEAT),	2019		0	GRIET Hyderabad
"Distributed Generation Integration to Grid Using DG Controlled PQ Theory,"	B. Pakkiraiah,	International Journal of Engineering and Advanced Technology (IJEAT),	2019		1	GRIET Hyderabad
"Power Quality Improvement	B. Pakkiraiah,	International Journal of Engineering and	2019		1	GRIET Hyderabad

of AC Distribution System using 3 Phase PV Integrated UPQC with Advanced Control Strategy,"		Advanced Technology (IJEAT),				
"A New Converter Topology Designed for Cascaded H Bridge Fifteen Level Inverter,"	B. Pakkiraiah,	International Journal of Disaster Recovery and Business Continuity	2019		0	GRIET Hyderabad
DESIGN AND FABRICATI ON OF AQUA SILENCER FOR POLLUTIO N CONTROL	DSNM RAO	Journal Européen des Systèmes Automatisés	2020		0	GRIET Hyderabad
Oppositional Teaching and Learning Based Optimization of Economical Load Dispatch Problem with Valve Point Loading Effect	DSNM RAO	International Journal of Innovative Technology and Exploring Engineering	2019		0	GRIET Hyderabad
Implementati on of single phase srf based dynamic voltage	Vinay Kumar A., Praveen J.	International Journal of Innovative Technology and Exploring	2019	3	0	GRIET Hyderabad

restorer in distribution system for power quality improvement		Engineering				
Development of multilevel cascaded h-bridge inverter based dynamic voltage restorer (DVR)	Awaar V.K., Praveen J.	2nd International conference on Design and manufacturing aspects for sustainable energy - 2020	2019		0	GRIET Hyderabad
Adoption Of Multilevel Inverter Based Dynamic Voltage Restorer For Power Quality Improvement With Adjustable Dc-Link Adoption Of Multilevel Inverter Based Dynamic Voltage Restorer For Power Quality Improvement With Adjustable Dc-Link	A Vinay Kumar, J Praveen	2nd International conference on Design and manufacturing aspects for sustainable energy - 2020	2020		0	GRIET Hyderabad
DSP Based Voltage Source Inverter	Vinay Kumar Awaar, Praveen	International Journal of Innovative Technology and	2020		0	GRIET Hyderabad

Using SPWN For Application Of Induction Motor Control	Jugge	Exploring Engineering (IJITEE)				
IOT Based Home Automation using Raspberry PI	Syed Sarfaraj Nawaz, M. karthika	International Journal of Innovative Technology and Exploring Engineering	2020	1	0	GRIET Hyderabad
Rotor power flow control of doubly fed induction generator using dspACE ds1104	Nawaz S.S.	International Journal of Innovative Technology and Exploring Engineering	2019		0	GRIET Hyderabad
Induction motor speed control fed by an inverter coupled with DSPACE controller	Nawaz S.S.	International Journal of Innovative Technology and Exploring Engineering	2019		1	GRIET Hyderabad
Implementation of UPFC for improving the power flow and voltage stability with fuzzy logic controller	Madhuri V.V.S.	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	1	0	GRIET Hyderabad
Automatic Restoration of the Network by using Distributed Energy	V.V.S Madhuri	International Journal of Recent Technology and Engineering (IJRTE)	2019		0	GRIET Hyderabad

Sources						
Energy Monitoring and Routing for Impending Challenges in SMART GRID	V.V.S. Madhuri, P. Srividyadevi	International Journal of Innovative Technology and Exploring Engineering	2019		0	GRIET Hyderabad
Development of a micro grid with renewable energy sources with feedback controller	Usha Rani V	International Journal of Innovative Technology and Exploring Engineering	2019	0	0	GRIET Hyderabad
Electric energy storage solution for standalone photovoltaic and supercapacit or applications in rural areas	Usha Rani V.	Test Engineering and Management	2019		0	GRIET Hyderabad
Dynamic Machine Modelling and performance of Three Phase Induction Motor using MATLAB/SI MULINK	M.Karthika, P. Sirisha, U. Vijayalakshmi, P. Srividya Devi		2020	0	0	GRIET Hyderabad
Malicious User Detection in Cooperative Sensing Environment	Dr.N.Swetha	International Conference on Inventive Computation Technology	2019-20	3	1	GRIET-ECE

Using robust distance						
Comparative Experimental Analysis of different Op-amps using 180nm CMOS Technology	Dr.Mamatha samson	InternationalConf erenceonEmergin gTrendsinInforma tionTechnologyan dEngineering(ic-ETITE)	2019-20	2		GRIET-ECE
Efficient SBT Architecture for HEVC	Dr.Mamatha samson	Ist International Conference on Data Science, Machine Learning and Applications, 2019; Hyderabad; India; 29 March 2019 through 30 March 2019; Code 240289	2019-20	2		GRIET-ECE
Simple IOT simulation	Dr Vishnubhatla Arvind	IJTEE	2019-20	1		GRIET-ECE
Unit Testing of ETSI DECT Codec	Dr Vishnubhatla Arvind	IJTEE	2019-20	1		GRIET-ECE
Simulating Multimedia IOT	Dr Vishnubhatla Arvind	IJTEE	2019-20	1		GRIET-ECE
Requirement Gathering for Multi-tasking Autonomous Bus	Dr. V Aravind	International conference on Computer Networks, Big data and IoT	2019-20	1		GRIET-ECE
A Reliable Automation of Motorized Berth Climb	Dr. V Aravind	International conference on Computer Networks, Big data and IoT	2019-20	1		GRIET-ECE
Linux Server based Automatic online	Dr. V Aravind	International conference on Computer Networks, Big	2019-20	1		GRIET-ECE

ticketing kiosk		data and IoT					
Optimal, Secure Cluster Head Placement Through Source Coding Techniques in Wireless Sensor Networks	Dr. Tata Jagannadha swamy	IEEE Communications Letters	2019-20	1		GRIET-ECE
Novel Secure Multipurpose Information Service and Management system with the help and Management System with the help of Internet of Things	Dr. T. Jagannadha Swamy	International Conference on Computer Communication and Informatics (ICCCI-2020)	2019-20	1	1	GRIET-ECE
Lung Cancer Image-Feature Extraction and Classification using GLCM and SVM classifier.	Ankita, R., Kumari, C. U., Mehdi, M. J., Tejashwini, N., & Pavani, T	IJTEE	2019-20	4		GRIET-ECE
Benign and malignant tumor classification using machine learning technique	Usha Kumari, Madhusudha na Rao, Kumar M.N.V.S.S, Pinniti K, Prasad Reddy M.P.,	International Journal of Recent technology and Engieeriing	2019-20	4		GRIET-ECE

Lung Cancer Detection from Computed Topography Images using Marker controlled Watershed	Dr.Ch.Usha Kumari	Test Engineering and Management, Volume 83pp: 9005 - 9007 April 2020	2019-20	4	1	GRIET-ECE
Sleep Bruxism Disorder Detection and Feature Extraction Using Discrete Wavelet Transform	Dr. Usha Kumari	Proceedings of ICETIT 2019	2019-20	4	1	GRIET-ECE
Heart Rhythm Abnormality Detection and Classification using Machine Learning Technique	Dr. Usha Kumari	Proceedings of the 4th International Conference on Trends in Electronics and Informatics			1	GRIET-ECE
"Image encryption and decryption using chaotic bit level pixel permutation	Dr. Usha Kumari	Test Engineering and Management, Volume 83pp: 9005 - 9007 April 2020	2019-20	4	1	GRIET-ECE
Key-Based Functional Obfuscation of Integrated Circuits for a Hardware	Dr.D.Jayanthi	2019 2nd International Conference on Intelligent Computing, Instrumentation	2019-20	2		GRIET-ECE

Security		and Control Technologies (ICICICT)					
Securing Designs of an Area Efficient BIST Technique in UART	Dr.D.Jayanthi	2nd international conference on Intelligent computing	2019-20	2		GRIET-ECE
Detection of Cardiac arrhythmia using fuzzy logic	Dr.K.Padmavathi	Informatics in Medicine Unlocked	2019-20	9		GRIET-ECE
Gsm Based Face Recognition using Pir Sensor on Raspberry Pi 3	Dr.K.Padmavathi	IJTEE	2019-20	9		GRIET-ECE
IoT Based Smart Surveillance System for Healthcare Monitoring using Raspberry PI	Dr.K.Padmavathi	IJTEE	2019-20	9	2	GRIET-ECE
Design of Delay and Energy Efficient Low Voltage Dual Tail Comparator by Using Sleep Transistor	Dr.K.Padmavathi	International Conference on Data Science, Machine Learning and Applications	2019-20	9		GRIET-ECE
An optimized blind dual medical	Dr.K.Swaraja	Biomedical Signal Processing and Control	2019-20	6		GRIET-ECE

image watermarking framework for tamper localization and content authentication in secured telemedicine						
Robust Optimized Discrete Wavelet Transform- Singular Value Decomposition Based Video Watermarking	Dr.K.Swaraja	Traitment Du signal	2019-20	6		GRIET-ECE
A secure architecture for Design for testability structures	Dr.K.Swaraja	ijrte	2019-20	6	13	GRIET-ECE
Handoff strategies between wireless fidelity to light fidelity systems for improving video streaming in high-speed vehicular networks.	Dr.Valiveti Himabindu	International Journal of Circuit Theory and Applications.	2019-20	4	3	GRIET-ECE
Feature extraction algorithms to improve the speech emotion recognition	Dr.Valiveti Himabindu	International Journal of Speech Technology	2019-20	4		GRIET-ECE

rate						
Improved selection of separate V2V communication assets for Lte	Dr.Valiveti Himabindu	IJEAT	2019-20	4	2	GRIET-ECE
Logically Optimal Novel 4: 2 Compressor Architectures for High-Performance Applications	Dr.V.Srihari	Arabian Journal for Science and Engineering	2019-20	11	7	GRIET-ECE
Efficient implementation of mixed-precision multiply-accumulator unit for AI algorithms	Dr.V.Srihari	International Journal of Circuit Theory and Applications.	2019-20	11	3	GRIET-ECE
An intelligent energy efficient cooperative MIMO-AF multi-hop and relay based communications for Unmanned Aerial Vehicular networks.	Dr.N.Arun Vignesh	Computer Communications	2019-20	3		GRIET-ECE
Implementation of Low density Parity Check system using	Dr.N.Arun Vignesh	IJTEE	2019-20	3	1	GRIET-ECE

Probabilistic Gradient Descent Bit Flipping Decoder						
Performance Analysis of Various Routing Protocols for VANET Environments	Dr.N.Arun Vignesh	IJTEE	2019-20	3	1	
A Novel Approach for detection of the symptomatic patterns in the acoustic biological signal using Truncation Multiplier	Dr.N.Arun Vignesh	International Conference on Intelligent computing,instrumentation and control Technologies	2019-20	3		GRIET-ECE
Survey of localization tecniques in wireless sensor networks	Dr.N.Arun Vignesh	Test Engineering and Management, Volume 83pp: 9005 - 9007 April 2020	2019-20	3	3	GRIET-ECE
A Survey on Energy Efficient Image Transmission in WSN	Dr.N.Arun Vignesh	International Conference on Intelligent computing,instrumentation and control Technologies	2019-20	3		GRIET-ECE
Design and Fabrication of SHRALA: Social Humanoid Robot	Dr.Sudarsan Jayabalan	Procedia of computer science	2019-20	1		GRIET-ECE

Test pattern generation using thermometer code counter in TPC technique for BIST implementation	K.Jamal	Microprocessors and Microsystems	2019-20	4	4	GRIET-ECE
		Proceedings of the Fifth International Conference on Communication and Electronics Systems	2019-20	4		
Design of Multiplier with Dual Mode Based Approximate Full Adder	K.Jamal	Proceedings of the Fifth International Conference on Communication and Electronics Systems (ICCES 2020)	2019-20	4		GRIET-ECE
Fusion of images using BCV and DWT	K.Jamal	international journal of Emerging technologies	2019-20	4		GRIET-ECE
Weighted Pseudorandom Based Deterministic Bist for Fault Testing and Self-Healing	K.Jamal	2019 International Conference on Communication and Electronics Systems (ICCES)	2019-20	4	2	GRIET-ECE
An Improved denoising of medical images based on hybrid filter approach and	M.Suneetha	in Journal of Bioinformatics and Biological Engineering(JBBE)	2019-20	0		GRIET-ECE

assess quality metrics.						
Performance Analysis of Cross-layer Efficient Selfishness Prevention Routing Protocol for the Dynamic CR Networks	Suseela R.S.U	IJTEE	2019-20	1	1	GRIET-ECE
Performance Evaluation of Stochastic Gammatone Filters	Sumalatha G.L.	International Conference on Data Science, Machine Learning and Applications	2019-20	0		GRIET-ECE
A brief Review on techniques used for Breast cancer detection using antennas	Shilpa B	International Conference on Computer Communication and Informatics (ICCCI -2020	2019-20	0		GRIET-ECE
Skin tone recognition and Face detection using Local binary pattern and sparse coding	UshasreeA	Test Engineering and Management, Volume 83pp: 9005 - 9007 April 2020	2019-20	0		GRIET-ECE
A hybrid blind watermarking with redundant discrete wavelet and Hadamard	K.Meenakshi	ijtee	2019-20	5	2	GRIET-ECE

transform						
Predictive Analysis on Stock Market Data	K. Prasanna Lakshmi	International Journal of Recent Technology and Engineering (IJRTE)	2019	4	37	Gokaraju Rangaraju Institute of Engineering and Technology
Multiple optimizatio n servicesin cloud computing for customers	Y. Sri Lalitha	International Journal of Recent Technology and Engineering	2019	2	6	Gokaraju Rangaraju Institute of Engineering and Technology
Evaluate the Performanc e of the Clustering Algorithms by Using Data Discrepanc y Factor	N.V. Ganapathi raju	Advances in Engineering, Management and Sciences J. Mech. Cont.& Math. Sci.,	2019	1	11	Gokaraju Rangaraju Institute of Engineering and Technology
Python NLTK Sentiment Inspection using Naïve Bayes Classifier	J Nagendhra Kumar	International Journal of Recent Technology and Engineering (IJRTE)	2019	3	32	Gokaraju Rangaraju Institute of Engineering and Technology

3.4.7 Faculty participation in Seminars/Conferences and Symposia during the year :

No. of Faculty	International level			State level	Local level
Attended Seminars/ Workshops				14	
Presented papers	24				
Resource Persons	04				
ECE					

Attended Seminars/ Workshops	6	2	40	-
Presented papers	21	-	-	-
Resource Persons	-	2	-	-

IT

Attended Seminars/ Workshops			134	
Presented papers			19	
Resource Persons			8	

3.5 Consultancy

3.5.1 Revenue generated from Consultancy during the year

Name of the Consultant(s) department	Name of Consultancy project	GHMC, Hyderabad	Revenue generated (amount in rupees)
Dr V.Mallikarjuna Reddy	Third Party Quality Control Works	SMEA Analytics Pvt Ltd	36.64 Lakhs
Prof G.Mallikarjuna Rao,S.Bhargavi Latha,Y.Krishna Bhargavi	The Opportunities in Strengthening and Optimizing the MSME Eco Systems by Using AI & ML Techniques	Ample Auto Tech Pvt.ltd,Delhi	2,00,000
Dr.A.Sai Hanuman	Machine Learning Based Automation of the Hardness Torgue tests Conducted for the Products Developed	Ample Auto Tech Pvt.ltd	5,99,119
Dr.G.Ramesh	Deep Learning Based Artificial Intelligence for Machine Fault Signature Analysis and Classification	Nature Consciousness Centre	6,76,892
Mr. G.Santhosh Kumar	Website Development	PR Infotech	10,000
Dr.Phaneendra Babu Bobba	Design and development of wireless power Transfer system for Multtiple Loads	Ample Auto Tech Pvt. Ltd	6

Dr. P.Srividya Devi	AI and IoT based Prediction analytics on testing data of Rotating Machinery faults under different Conditions		22.504
Dr D L Chaitanya	Short Term training Programme (STTP)	AICTE, New Delhi	3,75,000
Dr Hima Bindu Valiveti	Performance Evaluation of the Reliability of vehicle suspension system using software applications, Cloud and Machine	Ample Autotech Pvt. Ltd., New Delhi	24,18,000
Dr Hima Bindu Valiveti	Grants for Organizing Conference (GOC)	AICTE, New Delhi	50000
Ms R S Uma Suseela	Embedded Product Design	ICS Ltd	24000
Dr D Jayanthi	Skill and Personality Development (SPDP)	AICTE, New Delhi	14,66,000
Dr N Arun Vignesh	Higher Education for SC/ST (PRERANA)	AICTE, New Delhi	9,23,000
Dr J Sudharsan	Design of industrial Robotic Arm for pick and packaging	Energicomm Wires Pvt Ltd Hyderabad.	2,00,000
Dr J Sudharsan	Design of 6 DOF Robotic Arm for Education and Industrial Training	LumiSense Technologies, Chennai	1,25,000
Dr V Ayyem Pillai	Software Defined Lab Modernised with Grant under Modrobs of AICTE	AICTE, New Delhi	8,00,000
Dr. Y J Nagendra Kumar	E-Learning App for Siri 1 Technologies	Siri Technologies	1,80,000
Dr. K Prasanna Lakshmi (IT), Dr. N V Ganapathi Raju(IT)	NLP Based Security Model of Text Data Using Language Complexity in Cloud Platform in Indian Context	Dwaith Infotech Pvt. Ltd	2,76,000
Dr. N V Ganapathi Raju (IT), P Gopala Krishna(IT)	Machine Learning Based Methods for Predictive Maintenance and Enhanced Customer Satisfaction Ample Auto Tech PVT LTD	Ample Auto Tech Pvt. Ltd.	6,35,097

3.5.2 Revenue generated from Corporate Training by the institution during the year

Name of the Consultant(s) & Department	Title of the Programme	Students, Faculty and consultants	Revenue generated (amount in rupees)	Number of trainees
Dr.Mohammad Hussain	STEPS 2019	Students, Faculty and consultants	12000	40
Dr V.Mallikarjuna Reddy	RICEM 2019	Students, Faculty and consultants	32900	76
Dr V.Mallikarjuna Reddy	ICONCES 2020	UG & PG Students of GRIET	36500	89
Dr. K. Madhavi, HOD, CSE	Guest Lecture on Impact-CSI	UG Students of GRIET	-	153
B.Rupa, CSE	Guest Lecture on "Big Data"	UG,PG Students,Faculty of GRIET & others	-	66
Dr. Y. Vijaya lata, CSE	TEDx GRIET Season 3 -Echoes and Reflections	UG Students of GRIET	Rs 40,000/-	100
Dr.G.N.Beena Bethal,CSE	Guest Lecture on Citizen Chat	UG Students of GRIET	-	63
Dr.S.Govinda Rao,CSE	Guest Lecture on Hands on Reverse Engineering	Faculty and Students of GRIET and other Colleges	-	75
Dr. K. Madhavi, HOD, CSE	CSI Telangana State Student Convention 2019	Faculty of GRIET and other Colleges	-	215
Dr.G.Karuna,CSE	FDP on BDA & ML Applications using Pyspark	Faculty of GRIET and other Colleges	Rs 52,000/-	32
Dr.G.Karuna,CSE	FDP on Data Science	UG,PG Students,Faculty of GRIET	-	95
Dr. K. Madhavi, HOD, CSE	Guest Lecture on Cyber Security	UG,PG Students,Faculty of GRIET	-	50
Dr. K. Madhavi, HOD, CSE	Guest Lecture on Hygiene & Health	Faculty of GRIET	-	50
Dr.G.Karuna,CSE	Workshop on R-Programming	UG Students of GRIET	Rs 3,900/-	39

B.Padma Vijetha Dev	Innovation Day	Faculty and Students of GRIET and other Colleges	-		75
Dr.Padmalaya Nayak, CSE	Simulation of Wireless sensor Networks Using ns-3 Simulator	Faculty of GRIET	-		50
Prof.G. Mallikarjuna Rao, CSE	FDP on Artificial FDP on Intelligence & Machine learning	Faculty and Students of GRIET	Rs 1,800/-		20
B.Rupa, CSE	Guest Lecture On Cyber Security	Faculty and Students of GRIET	-		181
Dr.Y.Vijayalata, CSE	G-talks, Season-2 - Guest Lecture	Faculty of GRIET	Rs 40,000/-		216
Dr.K.Anuradha, CSE	FDP on Digital Learning Pedagogy	Faculty of GRIET and other Colleges	-		58
R.Soujanya, CSE	FDP on AWS Cloud practitioner	Students of GRIET	-		16
B.Padma Vijetha Dev,CSE	X-Kernal'2019	Faculty and Students of GRIET	Rs 54,660/-		933
Dr.Y.VIjayalata, CSE	Lecture - Navigating to Build Career in Autonomous Driving/AI	Faculty of GRIET and other Colleges	-		268
Dr.K.Anuradha, CSE	FDP on Digital Learning Through Web & Cloud Apps	Students of GRIET	-		105
Dr. K. Madhavi, HOD, CSE	Lecture on Latest Software Programming Trends in IT Industry	Students of GRIET	-		90
Dr.B.Sankara Babu, CSE	Seminar On Importance of Internships	Faculty and UG & PG Students of GRIET	-		360
N.Krishna Chythanya, CSE	Tech Talk on Neuroscience in Artificial Intelligence	For teachers of all AICTE approved engineering colleges	-		250
Dr. PADHAN	Automotive	For teachers	93000/-		162

DOLA	Technology for A Sustainable Future (Phase-I)	of all AICTE approved engineering colleges		
Dr. PADHAN DOLA	Automotive Technology for A Sustainable Future (Phase-II)	For teachers of all AICTE approved engineering colleges	93000/-	167
Dr. PADHAN DOLA	Automotive Technology for A Sustaianable Future (Phase-III)		93000/-	162
Dr Ch UshaKumari	Basic induction training course to PCs and SIs (Comm)	Telangana Police Communications Organization, Hyderabad, Telangana	0.826	171
Dr. N V Ganapathi Raju(IT)	Machine Leaning	Asper Vision Tech	20,000	**70**
Dr. N V Ganapathi Raju(IT)	Machine Leaning	ESCI-SITCS	30,000	**60**

3.6 Extension Activities

3.6.1 Number of extension and outreach programmes conducted in collaboration with industry, community and Non-Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the Activities	Organising unit/ agency/ collaborating agency	Number of teachers **co-ordinated** in such activities	Number of students participated in such activities
Thara Organisation	Thara Organisation	2	194
Blood donation	GRIET	24	561
Renovation of washrooms,classes and uplifting sanitation facilities	GRIET	2	39
Big Book Week Event	ITC	37	320
OLDAGE HOME Visit To ASHREYA OLDAGE	Ashreya Old Age Home	3	191

HOME			
IGBC Student Chapter Meet	CII	17	320
Igbc Exhibition	CII	21	305
CII-Leadership Summit-CSR Activity	CII	5	343
Project Sastra 2.0-Visit 4	MPP School Jagadgirigutta	2	108
Voter Awareness program by Election watch team	GRIET	34	100
Blood donation camp on the eve of 78th Foundation day of OBC	OBC, GRIET	27	309
Digital India Program	OBC, GRIET	14	167
Blanket and Sweater distribution drive	Basawatarakam Cancer Hospital	38	36
Blood Donation Camp	Red Cross Society	1	50
Village Visit	MHRD	1	3
Blanket and Sweaters Distribution Drive	NSS	2	3
Extra Curricular Activity	NSS	2	6
Free Health Check Camp	Vijaya Diagnosis Centre (NSS)	5	3
Blood Donation Camp	Red Cross Society	2	45
Skills and Thrills	NSS	2	16
Distribution of Plants	NSS	2	55

Through Harithaharam			
Distribution of Plants Through Harithaharam	Green Campus	2	15
Blood Donation Camp	Red Cross Society	1	50
No Plastic Drive	NSS	2	7
Distribution of Food Packets during Covid-19	NSS	1	6
Lunch for poor during Covid-19	NSS	1	1
Distribution of groceries during covid-19	NSS	1	1
Donation of groceries to NIRMAN during covid-19	NSS	1	1
Distribution of groceries to needy families during covid-19	NSS	1	1

3.6.2 Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the Activity	Award/recognition	CSI	No. of Students benefited
CSI-Student Branch activities			1 (Balaram Nenavath)
Harithaharam	one student one tree	AICTE	529
Food Distribution for daily wage labourers & Financial contribution	Utkrisht Sanasthan Viswakarma Award	AICTE	1081

3.6.3 Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year				
Name of the scheme	Organising unit/ agency/ collaborating agency		Number of teachers **co-ordinated** such activities	Number of students participated in such activities
Plastic Free Drive	GRIET			269
Women Challenges in Education and career Prospects	GRIET			565
Gokarajupuram	GRIET			733
Spreading Joy	KJR Charitable Trust			48
co-curricular activities in school	GRIET			259
Teachers Day	GRIET			335
Dandiya & Bhathukamma	GRIET			221
Telanganaku Harithaharam	GRIET			395
Eco Friendly Ganesha	GRIET			232
5K Run("kill cancer)	ISKON			45
National Service Scheme	GRIET	Plastic Free Drive	23	116
National Service Scheme	OBC	Digital India	14	231
National Service Scheme	GRIETINK	Tinkering Lab - 1	6	24

National Service Scheme	ITC	Big Book Event	37	1109
National Service Scheme	GRIETINK	Tinkering Lab - 2	7	21
National Service Scheme	THARA Orphanage	THARA ORG Fun filled activities, played kho- kho, kabadi, cricket and basketball followed by distribution of refreshments.	2	12
National Service Scheme	Ashraya Old age Home	Old Age Home Visit	3	11
National Service Scheme	MNJ Cancer Hospital	Visit-Rakhi Festival	1	13
National Service Scheme	GRIET	Gokarajapuram	51	729
National Service Scheme	NIRMAN Intellectually Challenged Home	Food and provisions distribution	1	9
National Service Scheme	Osmania Hospital	Food and provisions distribution	1	13
National Service Scheme	KJR Old Age Home	KJR Old Age Home Fun filled activities	3	16
National Service Scheme	MPP School	Co Curricular Activities	2	9
National Service Scheme	Hyderabad Streets	Blanket Donation	37	236
Voter Awareness Program	Telangana Election Watch-2020, Municipal Elections.	Voter Awareness Program	2	66
Awareness on Strength, Fearlessness, Sacrifice, Character and Excellence	Vivekananda Institute of Human Excellence Ramakrishna Math ,	Sraddha	1	14

3.7 Collaborations

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

Nature of Activity	Participant	Self	Duration
Research (Phd)	K Hemalata	Self	Ongoing
Energy Efficient Data Management in Wireless Sensor Networks	Dr.K.Kavitha ,Associate professor	Self	6 months
Explore the novice approach to orthorectification of satellite imagery	Dr.Ch.Mallik harjuna rao,G.Mallikh arjuna rao,B.R.K.Re ddy	Self	6 months
Powering the Next Billion Devices with Iot Security	D.Usha Sree,Assistant professor	Self	6 months
A Novel Implementation of Information Security Policy Modeling for enterprise networks	T.V.Suneetha. Assistant Professor	Self	6 months
User Connectivity and Event Popularity Based Re-Tweet Prediction in Social Networks	Dr.Y.Vijaya latha	Self	6 months
Best Keyword set recommendations for buildiing service based systems	Dr.K.Madhav i ,Professor Dr.G.Ramesh Associate professor	Self	6 months
Proactive health care monitoring using IOT	V.Deepthi,Ch .SruthiAssista nta professor	Self	6 months
An effective system to detect fake reviews	Dr.K.Kavitha, Associate Professor	Self	6 months
Semi Equalizing load in Multi-hop wireless Networks	Dr.K.Kavitha, Associate Professor	Self	6 months
Data offloading for effective rescue operations during fire disaster	Dr.K.Kavitha, Associate Professor,J.B harghavi Latha,Assista nt Professor,T.V .Suneetha,Ass istant professor	Self	6 months
Flat VS Hierarichal routing protocols in wireless sensor	Dr.Padmalaya nayak	Self	6 months

networks:an in-depth analysis	Professor,Dr. A.Sai Hanuman ,Professor		
AEAO: Auto Encoder with Adam Optimizer Method for Efficient Document Indexing Of Big Data	Y.Krishna Bharghavi,Assistant professor	Self	6 months
An Efficient Parallel and Distributed Algorithm on Top of MapReduce	Dr.G.Karuna ,Professor	Self	6 months
Moving Object Detection and Tracking under Different Occlusion Conditions in Video Sequences	Dr.G.Karuna ,Professor	Self	6 months
An efficient and secured framework for mobile Cloud computing	Dr.A.SaiHanuman,Professor Dr.B.Sankarababu,Professor	Self	6 months
Gender Classification using Central Fibonacci Weighted Neighborhood Pattern Flooding Binary Matrix (CFWNP_FBM) Shape Primitive Features	Dr P.Chndrasekhar Reddy,Dr.G.R.Sakthidharan,DrP.Varaprasad Rao	Self	6 months
robust video watermarking using secret sharing and cuckoo search algorithm	S.Bhargavilatha,Assistant professor	Self	6 months
Algorithm selection and importance of learning in prediction of breast cancer	Dr.B.Sankarababu,Professor B.SrikanthAssistant professor,V.Sowmya Associate professor	Self	6 months
A hybrid approach for the optimization of quality of service metrics of WSN	Dr.P.Chndrasekhar Reddy,Professor	Self	6 months
A computational approach for printed document forensics using SURF and ORB features	Dr.Surbhi Gupta,Asssociate professor	Self	6 months
Image transformation technique using steganography methods using LWT techniques	Dr.G.Ramesh, Asssociate professor	Self	6 months

A dataset for automatic contrast enhancement of microscopic malaria infected blood RGB images	Dr.G.Ramesh, Asssociate professor	Self	6 months
Forensic document examination system using boosting and bagging methodologies	Dr.Surbhi Gupta,Asssociate professor	Self	6 months
Improved object recognitionresults using SIFTandORB feature detector	Dr.Surbhi Gupta,Asssociate professor	Self	6 months
optimal Secure cluster head placement through source coding techinques in wireless sensor networks	Dr.Padmalaya Nayak,Professor	Self	6 months
plant Spices Recognition using Morphological Features and Adaptive Boosting Methodology	Dr.Surbhi Gupta, Asssociate professor	GRIET	6 months
Development of a Surveillance system for Forest Fire Detection and Monitoring using Drones"	Mr.Vishnu prasad P, Mr.Mohammed saif allauddin (IV CSE Students)	GRIET	2 Days
Big Data Analytics and Machine Learning Applications with PySpark	Faculty of Griet(32)	GRIET	5 Days
Faculty Development Programme on Data Science	Faculty of Griet(95)	GRIET	1 Day
Faculty Development Programme on "Artificial Intelligence & Machine Learning"	Faculty of Griet(20)	GRIET	1 Day
Faculty Development program on Cloud Practitioner (AWS)	Faculty of in and out of GRIET(16)	ICT-GRIET	3 Days
Digital Learning through Web and Cloud Apps	Faculty of GRIET(100)	Griet	2 Days
BigData Guest Lecture	Students &faculty of GRIET(62+4)	GRIET	1 Day
Guest lecture on HygieneAnd Health	Faculty of Griet CSE(40)	GRIET	1 Day
Guest lecture on Cyber Security	Faculty of Griet CSE(40)	GRIET	1 Day

CITIZENCHAT	Faculty and Students of Griet(1+62)	GRIET	1 Day
Hands on Reverse Engineering	Faculty and Students of Griet(5+70)	GRIET	1 Day
Guest lecture on Cyber Security	Students and Faculty of griet CSE(176+5)	GRIET	1 Day
Latest Software programming trends in IT Industry	Students of griet CSE(90)	Self	1 Day
Singapur India Hackethon 2019	P.Nani and Prasanth (IV CSE &III CSE)	GRIET	2 Days
Industrial visit to "National Geophysics Research Institute",	Students and Faculty of griet CSE(50+2)		1 Day
IEEE -ICESIP-2019 international conference	Dr.K.Kavitha		2 Days
Recent Trends in Soft Computing" (NCRTSC-2019)	Dr.K.Kavitha	GRIET	1 Day
Python 3.4.3 Online certification course	Students of Griet CSE(299)	Griet	3 Months
Cyber Security Learn A Thon	Students of Griet CSE&IT(155)	Griet	3 Months
Programming Essentials in Python	Students of Griet(28)	Griet	3 Months
Programming Essentials in Python	Students of Griet(71)	Griet	3 Months
CCNA R&S: Intro to Networks	Students of Griet(41)	Griet	3 Months
NETWORK ESSENTIALS	Students of Griet(40)	Griet	3 Months
CISCO Cyber Security Learn A Thon	Students of Griet(155)	Professional Body- IEEE and CSI	3 Months
Tech Talk on Neuroscience in Artificial intelligence	Faculty&Students UG&PGof Griet CSE(20+220+10)	CSI HeadQurters&GRIET CSI SB	1 Day
CSI-Telangana State student convension-2019	CSI Students of Telngana(215	PROFESSIONAL BODY-IEEE	1Day

	)		
NAVIGATING TO BUILD A CAREER IN AUTONOMOUS DRIVING/ARTIFICIAL INTELLIGENCE	Faculty and Students of Griet(20+248)	GRIET	1 Day
Rural development through Technical Institutions	T.V.Suneetha , G.Anilkumar, B.Srikanth, D.sreevidhya	Griet	5 Days
One Day Python workshop for Teachers.	Faculty og Griet(98)	GRIET	1 Day
Workshop on R-Programming	Faculty of Griet(39)	Tequip-III/JNTUH	1 Day
workshop on "NS-3 Simulator"	Faculty &Students of Griet(20+30)	GRIET	2 Days
Outreach activity on Android	Stuents of Ganges Valley School+Faculty of Griet CSE(5)	GRIET	2 Days
Outreach activity on Android	Stuents of Zphs School+Faculty of Griet CSE(6)	GRIET	1 Day
Introduction to Linux	T.V.Suneetha, Y.Manoj Kumar,V.Srinivas, B.Madanna,K.Sudheer babu,B.Padma vijetha dev,G.padmaja,J.Bhargavi latha,A.Sri Swathi, M.Arshi	Self	1Day
Research Integrity and Awareness	Dr. A. Sai Hanuman	GRIET	1 Day
Art of Living	Dr. A Sai Hanuman, Sridhar Mourya	**GRIET**	3 Days
Guest lecture	III/IV Year Students & Faculty	**GRIET**	**2hrs**

Guest lecture	III/IV Year Students & Faculty	**GRIET**	**2hrs**
Guest lecture	UG, PG Students & Faculty	**GRIET**	**2hrs**
Guest lecture	UG Students & Faculty	**GRIET**	**2hrs**
Seminar	UG students, Faculty and Outside Participants	**GRIET**	**2hrs**
Technical talk	ISTE students, UG, PG Students & Faculty	**GRIET**	**2hrs**
Technical talk	UG/ PG Students and Faculty	self	**2hrs**
Research	P. Sirisha	self	6 Months
Research	DSNM RAO	self	6 Months
Research	J.Praveen	self	6 Months
Research	B. Pakkiraiah	self	6 Months
Research	Pakkiraiah B	self	6 Months
Research	DSNM RAO	self	6 Months
Research	Palakaluri S.V.D.	self	6 Months
Research	B. Pakkiraiah,	self	6 Months
Research	B. Pakkiraiah,	self	6 Months
Research	B. Pakkiraiah,	self	6 Months
Research	Dr.J.Sridevi	self	6 Months
Research	Jami Sridevi; Usha Rani V;	self	6 Months
Research	Phaneendra Babu Bobba	self	6 Months
Research	Phaneendra Babu Bobba	self	6 Months
Research	Y.Satyavani	self	6 Months
Research	K.Karuna Kumar	self	6 Months
Research	D.Srinivasa Rao	Self	6 Months
STTP,	Mr M.Prashanth	Self	25-02-2019 to 01-03-2019
Workshop	Ms Y.Satyavani	Self	6/29/2019
STTP	Ms Y.Satyavani	Self	11-03-2019 to 15-03-2019
STTP	Mr R. Anil Kumar	Self	29-07-2019 to 02-08-2019
Workshop	Ms V.Usha Rani	Self	5/11/2020
FDP	Ms V.Usha Rani	Self	08-06-2020 to 12-06-2020
Workshop	Ms V.Usha	Self	12-05-2020 to 17-05-2020

	Rani		
FDP	Dr D S N M Rao	Self	11-05-2020 to 20-05-2020
FDP	Mr M.Prashanth	Self	15-06-2020 to 19-06-2020
FDP	Dr D S N M Rao	Self	19-05-2020 to 23-05-2020
FDP	Dr D S N M Rao	Self	12-05-2020 to 17-05-2020
FDP	Dr D S N M Rao	Self	20-05-2020 to 26-05-2020
FDP	Dr D S N M Rao	Self	19-05-2020 to 21-05-2020
FDP	Dr D S N M Rao	Self	11-05-2020 to 16-05-2020
FDP	Dr D S N M Rao	Self	18-05-2020 to 20-05-2020
FDP	Dr D S N M Rao	Self	18-05-2020 to 20-05-2020
FDP	Dr D S N M Rao	Self	5/18/2020
FDP	Dr D S N M Rao	Self	5/20/2020
FDP	Dr D S N M Rao	Self	5/21/2020
FDP	Dr D S N M Rao	GRIET	5/14/2020
Certification course	Dr T.Suresh Kumar	Self	4/8/2020
FDP	Dr D S N M Rao	Self	19-05-2020 to 23-05-2020
FDP	Dr D S N M Rao	Self	12-05-2020 to 17-05-2020
FDP	Dr D S N M Rao	Self	20-05-20 to 26-05-2020
FDP	Mr D Srinivasa Rao	Self	04-05-2020 to 06-05-2020
FDP	Mr V.Vinod Kumar	Self	01-06-2020 to 06-06-2020
FDP	Mr D.Srinivasarao	Self	10-05-2020 to 15-05-2020
FDP	Dr. P. Sri Vidya Devi	Self	07-05-2020 to 16-05-2020
Workshop	Dr. P. Sri Vidya Devi	Self	04-06-2020 to 08-06-2020
FDP	Mr A.Vinaykumar	Self	22-05-2020 to 26-05-2020
FDP	Mr A.Vinaykumar	Self	04-05-2020 to 09-05-2020
FDP	Mr A.Vinaykumar	GRIET	13/5/20
Coursera- Online Course	Sri A. Vinay Kumar	Self	15-05-2020 to 27-05-2020
Workshop	Sri A. Vinay Kumar	Self	5/18/2020

FDP	Sri A. Vinay Kumar	Self	04-05-2020 to 09-05-2020
Workshop	Sri A. Vinay Kumar	Self	12-05-2020 to 17-05-2020
FDP	Sri A. Vinay Kumar	Self	10-05-2020 to 15-05-2020
Workshop	Sarfaraz Nawaz Syed	Self	5/11/2020
FDP	Sarfaraz Nawaz Syed	Self	10-05-2020 to 15-05-2020
FDP	Sarfaraz Nawaz Syed	Self	22-06-2020 to 26-06-2020
FDP	Sarfaraz Nawaz Syed	Self	09-06-2020 to 13-06-2020
FDP	Sarfaraz Nawaz Syed	GRIET	08-06-2020 to 13-06-2020
Coursera- Online Course	Sarfaraz Nawaz Syed	GRIET	20-06-2020 nto 27-06-2020
Coursera- Online Course	Sarfaraz Nawaz Syed	Self	10-06-2020 to 18-06-2020
Workshop	Mr D Srinivasa Rao	Self	5/7/2020
FDP	Mr D Srinivasa Rao	Self	04-05-2020 to 06-05-2020
Workshop	Mr D Srinivasa Rao	Self	06-05-2020 to 07-05-2020
FDP	Dr J.Sridevi	Self	16-03-2020 to 30-03-2020
Workshop	Dr J.Sridevi	Self	7/1/2020
Coursera- Online Course	Dr J.Sridevi	Self	6/23/2020
Workshop	Dr B.Pakkiariah	Self	5/11/2020
Workshop	Dr B.Pakkiariah	Self	24-04-2020 to 25-04-2020
Workshop	Mr V.Vijayarama Raju	Self	5/30/2020
Workshop	Mr V.Vijayarama Raju	Self	5/30/2020
FDP	Mr V.Vijayarama Raju	Self	27-05-2020 to 29-05-2020
Workshop	Mr R. Anil Kumar	Self	10-05-2020 to 15-05-2020
FDP	Mr R. Anil Kumar	Self	5/12/2020
Certification course	Mr R. Anil Kumar	Self	30-04-2020 to 04-05-2020
FDP	Mr R. Anil Kumar	Self	27-04-2020 to 02-05-2020
FDP	Mr P.Prashanth Kumar	Self	01-06-2020 to 05-06-2020
Workshop	Mr P.Prashanth Kumar	Self	15-06-2020 to 19-06-2020
FDP	Ms. U. Vijaya	Self	22-06-2020 to 26-06-2020

	Lakshmi		
FDP	Ms. U. Vijaya Lakshmi	Self	09-06-2020 to 13-06-2020
FDP	Ms. U. Vijaya Lakshmi	Self	08-06-2020 to 16-06-2020
FDP	Ms. U. Vijaya Lakshmi	Self	22-05-2020 to 26-05-2020
FDP	Ms. U. Vijaya Lakshmi	Self	03-06-2020 to 07-06-2020
FDP	Ms. G.Sandhya Rani	Self	15-06-2020 to 20-06-2020
FDP	Ms. G.Sandhya Rani	Self	20-05-2020 to 25-05-2020
FDP	Ms. G.Sandhya Rani	Self	10-05-2020 to 15-05-2020
FDP	Ms. G.Sandhya Rani	Self	08-06-2020 to 12-06-2020
FDP	Ms. G.Sandhya Rani	Self	08-06-2020 to 13-06-2020
FDP	Ms. G.Sandhya Rani	Self	15-06-2020 to 19-06-2020
FDP	Ms. G.Sandhya Rani	Self	10-05-2020 to 15-05-2020
FDP	Ms. G.Sandhya Rani	Self	11-05-2020 to 12-05-2020
FDP	Ms. P.Sirisha	Self	19-05-2020 to 23-05-2020
FDP	Ms. P.Sirisha	Self	08-06-2020 to 12-06-2020
FDP	Ms. P.Sirisha	Self	13-05-2020 to 14-05-2020
FDP	Ms. P.Sirisha	Self	04-05-2020 to 09-05-2020
FDP	Ms. P.Sirisha	Self	06-07-2020 to 11-07-2020
FDP	Ms. P.Sirisha	Self	09-06-2020 to 13-06-2020
FDP	Ms. P.Sirisha	Self	04-05-2020 to 06-05-2020
FDP	Ms. P.Sirisha	Self	08-06-2020 to 12-06-2020
FDP	Ms. P.Sirisha	Self	08-06-2020 to 12-06-2020
FDP	Ms. P.Sirisha	Self	10-05-2020 to 15-05-2020
FDP	Ms. P.Sirisha	Self	08-06-2020 to 13-06-2020
FDP	Ms. P.Sirisha	Self	03-06-2020 to 07-06-2020
Workshop	Ms. M.Karthika	Self	12-05-2020 to 17-05-2020
Workshop	Ms. M.Karthika	Self	09-05-2020 to 11-05-2020
Certification course	Ms. M.Karthika	Self	27-04-2020 to 02-05-2020
Certification course	Ms. M.Karthika	Self	5/6/2020
FDP	Ms. M.Karthika	Self	24-04-2020 to 25-04-2020
FDP	Ms. M.Karthika	Self	04-05-2020 to 06-05-2020
FDP	Ms. M.Karthika	Self	10-05-2020 to 15-05-2020
FDP	Ms. M.Karthika	Self	11/5/20
FDP	Ms. M.Karthika	Self	13-05-2020 to 14-05-2020

Certification course	Ms. M.Karthika	Self	17-01-2020 to 07-02-2020
FDP	Ms. M.Karthika	Self	04-05-2020 to 06-05-2020
FDP	Mr V.Vijayarama Raju	Self	29-06-2020 to 30-05-2020
FDP	Mr V.Vijayarama Raju	Self	04-06-2020 to 08-06-2020
FDP	Mr V.Vijayarama Raju	Self	09-06-2020 to 13-06-2020
FDP	Mr V.Vijayarama Raju	Self	16-06-2020 to 20-06-2020
FDP	Mr V.Vijayarama Raju	Self	23-06-2020 to 27-06-2020
STTP	Mr V.Vijayarama Raju	Self	16-06-2020 to 26-06-2020
Certification course	Mr V.Vijayarama Raju	GRIET	25-06-2020 to 16-07-2020
Certification course	Mr V.Vijayarama Raju	GRIET	01-07-2020 to 23-07-2020
Certification course	Mr V.Vijayarama Raju	Self	15-07-2020 to 05-08-2020
FDP	Mr V.Vijayarama Raju	GRIET	17-01-2020 to 07-02-2020
Certification course	Mr V.Vijayarama Raju	Self	5/8/2020
Certification course	Dr T Suresh Kumar	Self	01-03-2020 to 10-04-2020
Certification course	Dr T Suresh Kumar	Self	13-04-2020 to 11-05-2020
Workshop	Dr T Suresh Kumar	Self	10-04-2020 to 11-04-2020
FDP	Dr D S N M Rao	Self	11-05-2020 to 16-05-2020
FDP	Dr D S N M Rao	Self	18-05-2020 to 20-05-2020
FDP	Dr D S N M Rao	Self	19-05-2020 to 21-05-2020
FDP	Ms M.Rekha	Self	12-05-2020 to 17-05-2020
FDP	Ms M.Rekha	Self	18-05-2020 to 22-05-2020
FDP	Ms M.Rekha	Self	10-05-2020 to 15-05-2020
FDP	Ms M.Rekha	Self	13-05-2020 to 14-05-2020
FDP	Ms. K.Sudha	Self	18-05-2020 to 20-05-2020
FDP	Ms. K.Sudha	Self	04-05-2020 to 06-05-2020

FDP	Ms. K.Sudha	Self	06-05-2020 to 07-05-2020
FDP	Ms. K.Sudha	Self	10-05-2020 to 15-05-2020
Workshop	Ms. K.Sudha	Self	24-04-2020 to 25-04-2020
FDP	Ms. K.Sudha	Self	27-04-2020 to 02-05-2020
FDP	Mr. M Prashanth	Self	08-06-2020 to 13-06-2020
FDP	Mr. M Prashanth	Self	22-05-2020 to 26-05-2020
FDP	Mr. M Prashanth	Self	15-06-2020 to 19-06-2020
FDP	Mr. M Prashanth	Self	03-06-2020 to 07-06-2020
FDP	Mr. M Prashanth	Self	22-06-2020 to 27-06-2020
FDP	Mr. M Prashanth	Self	09-06-2020 to 13-06-2020
FDP	Mr P.Prashanth Kumar	Self	08-06-2020 to 13-06-2020
FDP	Mr P.Prashanth Kumar	Self	15-06-2020 to 19-06-2020
FDP	Mr P.Prashanth Kumar	Self	17-06-2020 to 19-06-2020
FDP	Mr P.Prashanth Kumar	Self	06-04-2020 to 22-04-2020
FDP	Mr P.Prashanth Kumar	Self	25-05-2020 to 29-05-2020
FDP	Mr M Vinod Kumar	Self	08-06-2020 to 13-06-2020
FDP	Mr M Vinod Kumar	Self	15-06-2020 to 20-06-2020
FDP	Mr M Vinod Kumar	Self	01-06-2020 to 07-06-2020
FDP	Mr M Vinod Kumar	Self	01-06-2020 to 06-06-2020
Workshop	Mr M Vinod Kumar	Self	26-05-2020 to 28-05-2020
FDP	Mr M Vinod Kumar	Self	20-07-2020 to 24-07-2020
FDP	Mr M Vinod Kumar	Self	27-4-2020 to2-05-2020
FDP	Mr M Vinod Kumar		5/21/2020
JNTUH/CRS/ECE-09 Design and implementation of ultra wide band antenna for ground penetrating radar under collaborative research scheme TEQIP III	Dr.T.Pavani, Associate Professor Electronics and Communication Engineering GRIET	Collaborative Research scheme TEQIP III	1 year
202041015862 A,Patent named,Hexagonal Split -	Dr.T.Pavani,	Collaborative	1 year

ring resonator based Ultra-wideband LPDA	Associate Professor Electronics and Communication Engineering GRIET	Research scheme TEQIP III	
Design of Metamaterial Loaded Dipole Antenna for GPR	Dr.T.Pavani, Associate Professor Electronics and Communication Engineering GRIET	Collaborative Research scheme TEQIP III	1 year
EEG based interpretation of human Brain during Yoga and Meditation using novel Machine Learning algorithms	Dr.K.Padmavathi	Collaborative Research scheme TEQIP III	1 year
System and method to monitor and forecast water consumption in premises	Dr.N.Arun Vignesh , Professor, Department of ECE, GRIET, Hyderabad, India.	self	4 months
Skin tone recognition and face detection using local binary pattern and sparse coding	A.Ushasree ,Assistant Professor, Department of ECE, GRIET, Hyderabad, India.	self	9 months
Diffusion enhanced drive sub 100 ˚C wafer level fine-pitch Cu-Cu thermocompression bonding for 3D IC integration	Asisa Kumar Panigrahy	Self	6 months
Skin cancer detection and classification using machine learning	M. Krishna Monika , N. Arun Vignesh , Ch. Usha Kumari	self	6 months

Detection of Cardiac arrhythmia using fuzzy logic	Padmavathi Kora , K. Meenakshi , K. Swaraja	self	6 months
eSmart: An IoT based Intelligent Health Monitoring and Management System for Mankind	Dr. T. Jagannadha Swamy,Professor, Dept. of ECE	self	6 months
An Efficient DFT Implementation using Modified Group Distributed Arithmetic	Sreehari Veeramachaneni Dept. of ECE Gokaraju Rangaraju Institute of Engineering and Technology Hyderabad, India	Self	6 months
Routing in WSNs Powered by a Hybrid Energy Storage System through a CEAR Protocol Based on Cost Welfare and Route Score Metric	N. Arun Vignesh Department of Electronics and Communication Engineering, GRIET, Hyderabad	self	6 months
Key-based Functional obfuscation of Integrated circuits for hardware security	R.Uma Rani, Dr.D.Jayanthi , N.Arun Vignesh	Self	6 months
A SURVEY ON ENERGY EFFICIENT IMAGE TRANSMISSION IN WSN	N. Arun Vignesh, Asisa Kumar Panigrahy , Ayyem Pillai V , Karthikeyan E , C.H. Usha Kumari , Sudharsan Jayabalan , T. Santosh	self	6 months

	Kumar GRIET			
Performance analysis of OFDM and FBMC over selective channels	Dr.Ch. Usha Kumari,Professor, Gokaraju Rangaraju Institute of Engineering and Technology,	Self	6 months	
Novel Secure Multipurpose Information Service and Management System with the help of Internet of Things	Dr. Tata Jagannadha Swamy Professor, Dept of ECE, GRIET,	self	6 months	
An Intelligent Energy Efficient Cooperative MIMO-AF Multi-hop and Relay based Communications for Unmanned Aerial Vehicles (UAVs) Networks	Dr.N. Arun Vignesh, Professor, Department of ECE, GRIET, Hyderabad, India.	Self	6 months	

3.7.2 Linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Rams associates, kakinada,A.P	Duration (From-To)	participant
Internship	Building planning, Designs and drawing	Smart infra-EST-GHMC Housing project	12/05/2019 to 30/06/2019	D.Bhaswanth
Internship	Smart infrastructural Engineering services Trust,Hyderabad.	Kakatiya Infra ProjectsPVT,Ltd, Hyderabad.	15/05/2019 to 15/06/2019	V.Prayojith
Internship	Surveying and Designing	S.V.Consultants,Humayun nagar,	10/06/2019 to 13/09/2019	K.Sri pranav
Internship	site supervision of residential building		18/06/2019 to 20/08/19	G.Ranghavi
				G.Mounika
		Goldstone infra,Hyderabad.		S.Sowmya
Internship	Building planning,Designs and	CPWD	21/06/2019 to 31/07/19	V.Vijay T.Ajith A.Prabhakar Reddy

	drawing(residential building)			pooja sadula pranay cheela Ch.praveen Reddy T.prem singh
Internship		MY Home Group	1/07/2019 to 30/07/2019	P.Shivani N.Madhurima U.Harika Reddy Sony Vittal T.Srikanth
Internship	RMC Plant and RCC Structures	Goverment of telangana Road and buildings development	9/07/2019 to 13/08/2019	Y.Shiva kumar
Internship	Lab & field works in the project Six laning	Goverment of telangana Road and buildings development	30/07/19 to 29/08/19	Boddula Venkatesh Repala Sowmya Vemunoori Prayojith Pippalla Ravi Teja Laxetti Sravan Kumar Y. Surya Charan K. Bhavana Sai L. Akash Chauhan B.Malavya Sharma Mh. Haleema Thakur Prem Singh Pooja Sadula P. Kiran Nayak Chowhan
Internship	Constuction of Hyderabad city police Headquarters	Venkata praneeth Technologies Pvt.Ltd,Hyderabad	30/07/2019 to 30/8/19	O.Naveen P. Anil Kumar M Madhu Ms.Zohra Sultana G. Ravalika A.Varsha Baki Aishwarya
Internship	Beta app testing	R&D NH,Division,Hyderabad	1/09/19 to 29/09/19	A Nachiketh Budagam Harshith Moniesh Reddy Sunkara Seelam Rahul Goud Yanala Rithish Reddy
Internship	Constuction of 6-Lane elevated corridor	Goverment of telangana Road and buildings development	09/09/2019 to 08/10/2019	V.Udayasri K.Meghana Lahari T.Jai Sai Surya
Internship	Constuction of Telangana Marty's Memorial	My Home GroupMy home Mangala project,Hyderabad	19/9/2019 to 14/10/19	MD.Khadar basha C.Shailaja A.Shivaleea P.Deepika A.Vaishnavi
Internship	Post Tensioning slab	South central railway project	25/09/2019 to 21/10/19	Ch.Priyanka
Internship	Railway pavement kotipally to Narsapur	Vasavi and GP Infra	20/12/19 to 19/01/2020	ERRAM.SAI VARUN GANGADI SRIKANTH NATHEWAR HARDHIK PADALA SRI VARDHAN GOUD THANGALLAPALLY AJAY KUMAR

				VEERABATHINI PRANAY RAJ
Internship	Design and construction of buildings	L&T construction	9/12/19 to 30/12/2019	KOLANU AKILA PUSA POOJITHA SANKI NAGA LAKSHMI THOTA SRILEKHA PAKA RAKESH LAXMAN DINESH
Internship	planning ,execution and Bar bending	Municipal corporation of karimnagar	2/12/19 to 20/12/19	AKHILA MANTENA PONAGANTI SHASHANK H.SHARAVANI G H SAI PRIYA KODAVATH GIRIDHAR NAIK NUKALA TEJASWI
Internship	planning of drainage and road constructions	KPC projects LMT	2/12/19 to 20/12/19	DONDAPATI SAI RACHANA M ANKITHA
Internship	execution of interior works(like fair painting)	Rams associates ,kakinada,A.P	13/12/19 to 10/1/2020	LOMADA CHANDRA VAMSI REDDY SUPPALA MURALI KRISHNA SHAIK LIYAK ASHRAF
Internship	Design and construction of buildings	L&T constructio	2/12/19 to 12/12/19	DOMATHOTI BHASWANTH
Internship	planining ,execution of WIPRO	Building & Planing	5/12/19 to 25/12/19	G SRUJITH MEDIPALLY BALARAM RAPELLI SAI CHETAN SAI SHARAN. K SRIKANTH CHAKALI THUPAKULA AKHIL MANIKANTA REDDY
Internship	Murty & Manyam	ULTRA Tech RMC site visit Bachupally (M-Tech)- field visit	28/11/19 to 21/12/19	BIJJAM VISHNU VARDHAN REDDY DAMARLA RITHWEZ
Concrete Technology	Site Visit	ESTIMATED QUANTITIES FOR WHITE CEMENT FOR ROOM NUMBERS 4502,4503,4504,4508,4509,4510,4512(ELECTRICAL DEPARTMENT SEMINAR HALL)- FIELD VISIT	10-Dec-2019	A.Ranjith,B.Bala raju,S.RAJU,S.Chandana
ESTIMATED QUANTITIES	Site Visit	Preliminary survey on GRIET staff QUARTERS SITE(M-Tech)- FIELD VISIT	14-Nov-2019	G.Jay sri,G.Nikhil,K.V.Krishna,N.S AI Kathana
survey	Site Visit	Partholes rehabilitation of GRIET road (B-Tech)	8-Nov-2019	G.Nikhil,A.Ranjith,M,Arun, N,N,S.Pravalika
Roads	Site Visit	CIVIL SYMPOSIUM(B-TECH) INTER COLLEGE COMPETETIONS	9-Oct-2019	K.Likith,N.Hardhik,P.S.V Goud,P.A.Reddy
quiz	SYMPOSIUM	GRIET Campus Sewage	27-Sep-2019	Vignasai,Rithish,Sahithi,Bha

		Treatment Plant (IV B Tech Section B Students)-FIELD VISIT		vana
Water resource	Site Visit	Guest Lecture on "Testing of Hardened Concrete"	6-Aug-2019	G.Akash,B.A.Kumar,B.Kushal,C.A.sagar
Concrete Technology	Guest Lecture	One day national conference on TECHNOLOGICAL ADVANCES IN CONCRETE PAVEMENTS &BRIDGES AT ASHOKA HOTEL ,LAKADIKAPOOL (3rd year B-Tech students)	05-08-2019	K.Jahnavi,M.ramesh,A.mythily,N.Hardhik
CONCRETE PAVEMENTS	Conference	GRIET Hostel campus 2nd floor columns and beams reinforcement details (3rd year B-Tech students)	06-07-2019	C.R.Baradwaj,D.K.Sing,E.S.Varun,Sathwik
Concrete Technology	Site Visit	GRIET Hostel Campus 2nd floor columns and beams Reinforcement Details (3rd year B-Tech students)	27-06-2019	A.pavan sagar,C,akial sai,Maithili,Nihal.M.Ankitha
Concrete Technology	Site Visit	Essay Writing	26-06-2019	B.V.V Reddy,B.SAI KUMAR,G.H.SAI PRIYA,G.Srujath
Event	ADVAITHA 2K20	Guest Lecture on "Sustainable Construction" by V Paul Charles Raj Associate Professor & Program Director RICS School of Built Environment.	28-03-2020 to 10/04/2020	A.M.Sagar,Sanjana,H.Sharvani,G.Srijuth, L.C.V.Reddy
Guest Lecture	Guest Lecture	Rehabilitation of Potholes in GRIET Access Road 3	20-Jan-20	Akila.M,Navya sree,Kavya sree,Sai Rachana,Deepu
Field Visit	Field Visit	Rehabilitation of Potholes in GRIET Access Road 2	18-01-2020	A.pavan sagar,C,akhil sai,Mythily,Nihal.M.Ankitha
Field Visit	Field Visit	Rehabilitation of Potholes in GRIET Access Road 1	04-01-2020	G,Raj kumar,P. NishanthP.Sharmisha,M.Akila,Tejaswi
Field Visit	Field Visit	Guest Lecture on " Inspection of sewer pipe Lines" by Takayuki SAWAI Group Leader, Water works Strategy Division, NJS Co., Ltd. , Japan	16-12-2019	B.Vamshi,Tharun kumar,Naveen,Deepika
Guest Lecture	Guest Lecture	A two week Workshop on "Practical Exposure on Building Construction (Building Drawing and Setting out)"	23-11-2019	
Workshop	Workshop	One day Seminar on "Road Safety Audit for Improvement of Traffic Safety" at IEI Telangana, Hyderabad.	09/09/2019 to 21/09/2019	Muneer,Nishanth,suraj reddy,srivani,madhavi,sai kumar
Seminar	Seminar	ADVAITHA Event	26-08-2019	Koushal,sharma,G,Baskar,k. Bharadwaj,k. Samuei,k.jagannath reddy
extra curricular	extra curricular	Construction of CRS Walls for Annapurna near Canteen in	17-08-2019	K.Neeraj,Ameer Sohail,Nveen sagar,vikas

activites	activites	GRIET		
Field Visit	Field Visit	One-Day Seminar on "Water Solutions for Smart Governance." organized by IEI, Telangana	03-08-2019	Sathwik,Avinash,Sri pranav,sonal goud,ajay kumar
Seminar	Seminar	Rams associates, kakinada,A.P	04-06-2019	G.swetha,I.chandana,M.Rakesh
Internship	Building planning,Designs and drawing	Smart infr-EST-GHMC Housing project 2019-20	12/05/2019 to 30/06/2019	D.Bhaswanth
Internship	Smart infrastructural Engineering services Trust,Hyderabad.	Kakatiya Infra ProjectsPVT,Ltd, Hyderabad. 2019-20	15/05/2019 to 15/06/2019	V.Prayojith
Internship	Surveying and Designing	S.V.Consultants,Humayun nagar, 2019-20	10/06/2019 to 13/09/2019	K.Sri pranav
Internship	site supervision of residential building	Goldstone infra,Hyderabad. 2019-20	18/06/2019 to 20/08/19	G.Ranghavi G.Mounika S.Sowmya
Internship	Building planning,Designs and drawing(residential building)	CPWD 2019-20	21/06/2019 to 31/07/19	V.Vijay T.Ajith A.Prabhakar Reddy pooja sadula pranay cheela Ch.praveen Reddy T.prem singh
Internship		MY Home Group 2019-20	1/07/2019 to 30/07/2019	P.Shivani N.Madhurima U.Harika Reddy Sony Vittal T.Srikanth
Internship	RMC Plant and RCC Structures	Goverment of telangana Road and buildings development 2019-20	9/07/2019 to 13/08/2019	Y.Shiva kumar
Internship	Lab & field works in the project Six laning	applaud	30/07/19 to 29/08/19	Boddula Venkatesh Repala Sowmya Vemunoori Prayojith Pippalla Ravi Teja

				Laxetti Sravan Kumar Y. Surya Charan K. Bhavana Sai L. Akash Chauhan B.Malavya Sharma Mh. Haleema Thakur Prem Singh Pooja Sadula P. Kiran Nayak Chowhan
Internship	Associate cloud developer	applaud	1-06-2020 to 1-12-2020	Sowmya Sinha
Internship	Associate cloud developer	NCR	1-06-2020 to 1-12-2020	B.Supraja
Internship	Software Intern	Cisco	6-1-2020 to 30-06-2020	Mohammed Saif Allauddin
Internship	College Intern	Cisco	13-01-2020 to 13-05-2020	Sadhana Myana
Internship	College Intern	Cisco	13-01-2020 to 13-05-2020	Neha Lagatapathi
Internship	College Intern	THYNC Solutions	13-01-2020 to 13-05-2020	Amulya Sharma
Internship	Graphic Designer Training	Signode India	23-12-2019 to 23-03-2020	M.Bhargavi
Internship	Software Intern	West Agile Labs	11-07-2019 to 30-10-2019	Sai Pranavi
Internship	Associate Software Development	NCR	06-01-2020 to 30-6-2020	M.Naga Raj
Internship	Software Intern	NCR	6-1-2020 to 30-06-2020	B.Shiva Ram Reddy
Internship	Software Intern	Magnitude	6-1-2020 to 30-06-2020	K.Sathish
Internship	Software Intern	Darwinbox	2-1-2020 to 10-04-2020	A.Sahithi
Internship	Software Developer	Darwinbox	5-7-2019	k Mahesh Babu
Internship	Software Developer	Magnitude	5-7-2019	D.Shiva Kumar
Internship	Software Intern	Capgemini	2-1-2020 to 10-04-2020	Shaik Tasleem
Internship	Software Intern	Zemoso	9-01-2020 to 08-04-2020	B.Swetha
Internship	Associate Software Engineer	DRDO	16-12-2019 to 16-06-2020	Sk.Fareed
Internship	Apprenticeship Trainee	Magnitude	30-12-2019 to 30-12-2020	B.Vinay Kumar
Internship	Software	Opentext	2-1-2020 to 10-	GLP Keerthana

Internship	Intern			04-2020	
Internship	Software Intern	Kastech	16-09-2019 to 16-03-2020	Sk.Fareed
Internship	Software Intern	Kastech	07-06-2019 to 05-07-2019	K.Harsha
Internship	Software Intern	Opentext	07-06-2019 to 05-07-2019	Narendra.K
Internship	Software Intern	Opentext GXS	3-9-2019 to 3-03-2020	S.Anurag
Internship	Software Intern	Opentext GXS	19-08-2019 19-02-2020	K.Goutham Reddy
Internship	Software Intern	Opentext	19-08-2019 19-02-2020	A.Prashanth
Internship	Software Intern	TECHIMAX	16-09-2019 to 16-03-2020	Ch.Nikhila
Internship	Community Manager	TECHIMAX	25-11-2019 to 25-2-20	Y.SSV Pranay Kumar
Internship	Content Developer	ALIENS developers	25-11-2019 to 25-2-20	A.Sai Krishna
Internship	Software Intern	JobsGenie.in	2-12-2019	T.Sravya
Internship	HR Intern	IIIRPD	05-8-19 to 5-11-2019	K.Kavya
Internship	Image Processing Intern	TCS	23-07-2019 to 23-10-2019	P.Srikar
Internship	Software Intern	Zemoso	17-07-2019 to 13-09-2019	T.Alekhya
Internship	Associate Software Engineer	Zemoso	3-06-2019 to 3-06-2020	Sreetej Reddy
Internship	Associate Software Engineer	Kastech	13-06-2019 to 3-06-2020	K.Sreeja
Internship	Software Intern	Opentext	07-06-2019 to 05-07-2019	Narendra.K
Internship	Software Intern	Opentext GXS	3-9-2019 to 3-03-2020	S.Anurag
Internship	Software Intern	Opentext GXS	19-08-2019 19-02-2020	K.Goutham Reddy
Internship	Software Intern	Opentext	19-08-2019 19-02-2020	A.Prashanth
Internship	Software Intern	TECHIMAX	16-09-2019 to 16-03-2020	Ch.Nikhila
Internship	Community Manager	TECHIMAX	25-11-2019 to 25-2-20	Y.SSV Pranay Kumar
Internship	Content Developer	ALIENS developers	25-11-2019 to 25-2-20	A.Sai Krishna
Internship	Software Intern	JobsGenie.in	2-12-2019	T.Sravya

Internship	HR Intern	IIIRPD	05-8-19 to 5-11-2019	K.Kavya
Internship	Image Processing Intern	TCS	23-07-2019 to 23-10-2019	P.Srikar
Internship	Software Intern	Zemoso	17-07-2019 to 13-09-2019	T.Alekhya
Internship	Associate Software Engineer	Zemoso	3-06-2019 to 3-06-2020	Sreetej Reddy
Internship	Associate Software Engineer	Zemoso	13-06-2019 to 3-06-2020	K.Sreeja
Internship	Associate Software Engineer	Netcracker Technology	13-06-2019 to 3-06-2020	M.Sunandini
Internship	Intern	Netcracker Technology	20-01-2020	P.Sindhu
Internship	Intern	CTRL S	20-01-2020	V.Vijaya Lakshmi
Internship	Trinee	TCS	6-01-2020 to 06-06-2020	M.Praveena
Project	Assistant Sytem Engineer	Netcracker Technology	9-01-2020 to 20-6-2020	A.Greeshma
Internship	Intern	Netcracker Technology	20-01-2020	P.T Swaroopa
Internship	Intern	Applaud	20-01-2020	P.Arun Kumar
Internship	Associate cloud developer	SenceaGlobal	1-06-2020 to 1-12-2020	S.Rohan Reddy
Internship	Intern	Netcracker Technology	20-01-2020 to 20-04-2020	Ch.Durga Rao
Internship	Intern	TCS	20-01-2020	K.Ajay
Project	Assistant Sytem Engineer	Apposite	9-01-2020 to 20-6-2020	Shaik GulZar
Internship	Intern	Applaud	16-12-2019 to 16-05-2020	Sanjana Kalyan
Internship	Associate cloud developer	Amazon	1-06-2020 to 1-12-2020	Subitra Pawar
Internship	SDET intern	TCS	20-01-2020 to 03-07-2020	Vineetha A
Project	Assistant Sytem Engineer	Chanakya AeronautiCal	9-01-2020 to 20-6-2020	K.Sruthi
Internship	Programmer	Zemoso	07-05-2019 to 30-07-2019	Suhas Kalikineedi
Internship	Associate Software Engineer	Zemoso	3-06-2019 to 3-06-2020	K.Rahul
Internship	Associate	Zemoso	3-06-2019 to 3-	P.Thanusha

	Software Engineer		06-2020	
Internship	Associate Software Engineer	TCS	3-06-2019 to 3-06-2020	K.Jayesh
Project	Assistant Sytem Engineer	TCS	24-12-2019 to 3-4-2020	P.Ramya
Project	Assistant Sytem Engineer	TCS	01-01-2020 to 31-3-2020	B.Teja
Project	Assistant Sytem Engineer	TCS	09-01-2020 to 20-6-2020	K.Sai Ratna
Project	Assistant Sytem Engineer	TCS	01-12-2019 to 30-3-2020	Yadagiri Uvrajana
Project	Assistant Sytem Engineer	TCS	01-12-2019 to 30-3-2020	N.sai Krishna
Project	Assistant Sytem Engineer	TCS	01-12-2019 to 30-3-2020	Balram.N
Project	Assistant Sytem Engineer	TCS	24-12-2019 to 3-4-2020	M.Esther
Project	Assistant Sytem Engineer	TCS	24-12-2019 to 3-4-2020	G.Sai Deepthi
Project	Assistant Sytem Engineer	TCS	24-12-2019 to 3-4-2020	B.Harshitha
Project	Assistant Sytem Engineer	TCS	20-01-2020 to 30-04-2020	L.Sushma Bhavani
Project	Assistant Sytem Engineer	TCS	24-12-2019 to 3-4-2020	V.Sanjana
Project	Assistant Sytem Engineer	ktps	09-01-2020 to 20-06-2020	P.Pravallika
Internship	An Unit overview of thermal power plant	ktps	1/6/2019 to 30/06/2019	16241A0228
Internship	An Unit overview of thermal power plant	BDL	1/6/2019 to 30/06/2019	16241A0203

Training	Reduction of electrical charges using reactive power compenation technique and power distribution	BDL	11//06/2019 to 10/7/2019	16241A0254
Training	Reduction of electrical charges using reactive power compenation technique and power distribution	BHEL	11//06/2019 to 10/7/2019	16241A0258
Internship	Study of Turbo generator	220/132Kv Moulali Substation	22/05/2019 to 5/6/2019	17241A02B6
Internship	Study of Operation and Maintainance of 220KV Substation	Institute of Electrical Engineering	21/05/2019 to 28/05/2019	17241A0253
Internship	Substation Design	Analogics Tech India Ltd	25/22/2019 to 7/12/2019	17241A02A4
Internship	Batteries Testing and management and Gravity Source Storage	Analogics Tech India Ltd	30/05/2019 to 30/07/2019	16241A0244
Internship	Motors, VFD Controlling Drivers and Gravity Source Storage	Analogics Tech India Ltd	30/05/2019 to 30/07/2019	16241A0225
Internship	Motors, VFD Controlling Drivers and Gravity Source Storage	BHEL	30/05/2019 to 30/07/2019	16241A0231
Internship	Study of Electrical Machines	Master PCB	17/05/2019 to 31/05/2019	17241A0291
Internship	COE, EV Components development	Master PCB	20/05/2018 to 20/05/2019	18241D4303
Internship	COE, EV Components development	Master PCB	20/05/2018 to 20/05/2019	18241D4314
Internship	COE, EV Components	Internshala	20/05/2018 to 20/05/2019	18241D4304

	development			
Training	Machine Learning	PlanyTrip	15-05-2020,26-06-2020	18241A0201
Internship	Marketing	Internshala	17-04-2020,19-05-2020	18241A0208
Training	Machine Learining	Tata	15-05-2020,26-06-2020	18241A0243
Training	Industry 4.0	Stanford, coursera	15-05-2020,31-05-2020	18241A0242
Training	Machine Learining	Internshala	15-05-2020,16-07-2020	18241A0229
Training	Core Java	Google	5/1/20206/6/2020	18241A0233
Training	Ditital Unlocked	Imperial College	5/1/2020,5/11/2020	18241A0252
Training	Creative Thinking	Internshala	15-05-2020,26-06-2020	18241A0243
Training	Core Java	Internshala	15-05-2020,16-07-2020	18241A0229
Training	Programming with Python	Tata	30-04-2020,6/11/2020	18241A0229
Training	Machine Learning	Tata	5/1/2020,5/5/2020	18241A0236
Training	Machine Learning	Tata	24-04-2020,28-02-2020	18241A0252
Training	Machine Learning	Python Institute	25-05-2020,29-05-2020	18241A0253
Training	Python	Internshala	20-06-2020,24-07-2020	18241A0231
Training	Android App Development	Internshala	5/6/2020,1/7/2020	18241A0233
Training	Ethical Hacking	Internshala	22-05-2020,17-07-2020	18241A0233
Training	Python	Udemy	15-04-2020,27-05-2020	18241A0233
Training	Flutter	VI Solutions, Bangalore	22-06-2020,12/7/2020	18241A0233
Internship	VI Solutions, Bangalore	Coursera Project Network	14-05-2020,18-06-2020	17241A02B6
Training	Introduction to Python	University of California Santa Cruz, coursera	14-05-2020,,13-06-2020	17241A0273
Training	C for everyone: Programming Fundamentals	AWS, coursera	16-06-2020,13-07-2020	17241A0273
Training	Getting Started with AWS Machine Learning	VI Solutions, Bangalore	19-06-2020,18-07-2020	17241A0273
Internship	VI Solutions, Bangalore	National Instruments	14-05-2020,18-06-2020	17241A0291
Training	Labview Core 1	National Instruments	18-04-2020,17-05-2020	17241A0291
Training	Labview Core 2	Internshala	18-05-2020,6/5/2020	17241A0291
Internship	Programming	University of Michigan,	7/6/2020,17-08-	18245A0222

	with Python	coursera	2020	
Training	Understanding and visualising data with python	Bridgei2i	8/6/2020,7/4/2020	17241A02A6
Training	Data analysis and manual validation	South Central Railway	6/1/2020,15-07-2020	16241A02B3
Training	Electrical Machines, Converters and Propulsion control systems	EV Retron Energies	8/6/2020,21-06-2020	16241A0273
Training	EV Technologies	TCS iON	27-05-2020,6/2/2020	16241A0275
Training	Career Edge - Knockdown the Lockdown	UNIVERSITY OF LEEDS AND INSTITUTE OF CODING, coursera	30-04-2020,12/5/2020	17241A0219
Training	COMPUTER PROGRAMM ING FOR EVERYONE	UNIVERSITY OF LEEDS AND INSTITUTE OF CODING, coursera	1/6/2020,14-06-2020	17241A0244
Training	LEARN TO CODE FOR THE WEB	TCS iON	3/6/2020,16-06-2020	17241A0244
Training	Career Edge - Knockdown the Lockdown	GRIET	29-05-2020,6/6/2020	17241A0248
Training	Artificial Intelligence, Machine learning, Internet of things and Big Data Applications in power Power Eelctronics and its allied areas	Coursera	1/6/2020,6/6/2020	18245A0204
Training	Electric Industry Operations and Market	Coursera	6/1/2020,28-06-2020	18241A0235
Training	Machine Learning	Coursera	6/1/2020,7/2/2020	18241A0247
Training	Power Systems	Coursera	1/5/2020,2/6/2020	18241A0235
Training	Python	Coursera	1/5/2020,2/6/2020	18241A0238
Training	Data Science Math Skills	Coursera	22-04-2020,19-05-2020	17241A0227

Training	Computer Vision Basics	Coursera	23-05-2020,14-06-2020	17241A0244
Training	Data Science Math Skills	Coursera	26-04-2020,17-05-2020	17241A0244
Training	Introduction to Programming with MATLAB	Coursera	27-05-2020,13-06-2020	17241A0244
Training	Programming for Everybody (Getting Started with Python)	Coursera-AWS	18-11-2019,9/12/2019	17241A0256
Training	AWS Fundamentals-Google cloud-Native	GRIET	28-04-2020,26-05-2020	17241A0210
Training	Artificial Intelligence, Machine learning, Internet of things and Big Data Applications in power Power Eelctronics and its allied areas	Securities and Exchange Board of India, Hyderabad	1/6/2020,6/6/2020	17241A0219
Training	Visit to Securities and Exchange Board of India (SEBI)	Combined Graduation Parade, Indian Air Force Academy, Dundigal.	25-Sep-19	UG,PG students & Faculty 55+3=58
Training	NRSC-ISRO, Balanagar	BIZNEX & HEMEX 2019	19-Dec-19	UG,PG students & Faculty 16+10+3 = 29
Training	ISTE-GRIET-SB has organised visit to Indian Air Force Academy, Dundigal	Mr. Srinu Naik, ADE State Load Dispatch Centre, TS Transco.	19-Dec-19	UG Students & Faculty 30+2 = 32
Training	BIZNEX & HEMEX 2019	Mr. Vidya Sagar, AE 220/132kV GIS Substation, Erragadda	08-Jan-20	UG student & Faculty30+2 = 32
Training	IEI-EEE has organised visit to State Load Dispatch Centre	Mr. K Shashank, AE 400/220kV Substation, Shankarpally	24-Jan-20	UG student & Faculty57+3 = 60
Training	IEI-EEE has organised visit to 220/132kV	Securities and Exchange Board of India, Hyderabad	28-Jan-20	UG student & Faculty58+2 = 60

	Substation			
Training	IEI-EEE has organised visit to 400/220kV Substation		25-Sep-19	UG,PG students & Faculty 55+3=58
Project Work	Internship	Netcracker	19-01-2020 to 31-05-2020	P.Harsha Vardhan reddy
Project Work	Internship	Netcracker	19-01-2020 to 31-05-2020	K.Anudeep
Project Work	Internship	Netcracker	19-01-2020 to 31-05-2020	S.Prathyush Reddy
Project Work	Internship	Senecaglobal	20-01-2020 to 31-05-2020	D.Venkat Pranav
Project Work	Internship	Apporchid	20-01-2020 to 20-03-2020	GSS Raj kiran
Project Work	Internship	Cisco	13-01-2020 to 26-06-2020	Mihir Solanki
Project Work	Internship	IIRR	10-12-2019 to 10-01-2020	GSS Raj kiran
Project Work	Internship	IIRR	10-12-2019 to 10-01-2020	P.Rohit
Project Work	Internship	Aliens Developer	02-12-2019 to 31-05-2020	M.G.Samdani
Project Work	Internship	NCR	06-01-2020 to 30-06-2020	Sairam
Project Work	Internship	NCR	06-01-2020 to 30-06-2020	Manognya
Project Work	Internship	NCR	06-01-2020 to 30-06-2020	Sai Nikhil
Project Work	Internship	OPEN TEXT	16-09-2019 to 16-03-2020	CH.Sairam
Project Work	Internship	OPEN TEXT	16-09-2019 to 16-03-2020	J.Nandan Pawan
Project Work	Internship	OPEN TEXT	16-09-2019 to 16-03-2020	T.Vyshanvi
Project Work	Internship	OPEN TEXT	16-09-2019 to 16-03-2020	K.Likith

Project Work	Internship	OPEN TEXT	16-09-2019 to 16-03-2020	G.Abhilash
Project Work	Internship	OPEN TEXT	16-09-2019 to 16-03-2020	K.Manogna
Project Work	Internship	TCS	08-01-2020 to 30-04-2020	Naveen Noel
Project Work	Internship	CODESPEEDY	19-03-2020 to till date	Janu
Project Work	Internship	Next SCM Solutions Pvt. Ltd.	02-03-2020 to 03-04-2020	A. Sriraagh Rao
Project Work	Internship	Goal street by cogin	30-05-2020 to 16-07-2020	Badri Komma
Project Work	Internship	Inmovidu	06-04-2020 to 06-06-2020	Dharmadhipathi Sathvik Krishna
Project Work	Internship	royal gabat food science and technology llp	03-04-2020 to 03-07-2020	Madala trivedh
Project Work	Internship	3C Capitals	25-05-2020 to 25-08-2020	Sreethi
Project Work	Internship	TCS	06-01-2020 to 31-03-2020	G Sai Kiran
Project Work	Internship	OPEN TEXT	16-09-2019 to 30-06-2020	P Preetham
Project Work	Internship	Byjus	02-01-2020 to 06-05-2020	Bale Sai Teja
Project Work	Internship	Byjus	28-01-2020 to 06-04-2020	Sanjana
Project Work	Internship	GoalStreet	06-06-2020 to 28-08-2020	R. Lohitaa
Project Work	Internship	GoalStreet	09-06-2020 to 14-08-2020	B.Sowjanya
Project Work	Internship	GoalStreet	09-06-2020 to 14-08-2020	K Glory
Project Work	Internship	Smart Bridge	10-06-2020 to 08-07-2020	Sreethi

Project Work	Internship	VermacLabs	22-06-2020 to 31-07-2020	Sreethi
Project Work	Internship	Outcampus	10-06-2020 to 24-06-2020	Sreethi
Project Work	Internship	Goal Street by Cogin	10-06-2020 to 26-08-2020	M.Manisha
Project Work	Internship	Goal Street by Cogin	10-06-2020 to 18-08-2020	Sai Charan Reddy. Chitteti

3.7.3 MoUs signed with institutions of national, international importance, other institutions, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	TPQC Works Consultancy	Number of **students/teachers participated under MoUs**
Greater Hyderabad Municipal Corporation	23-05-2020	CRMP Works Consultancy	10
Greater Hyderabad Municipal Corporation	12-03-2020	TPQC Works Consultancy	4
Greater Hyderabad Municipal Corporation	30-05-2019	Student Projects Internships to Students	10
Continental designers project consultant, hyderabad	10-04-2019	Research activities Student Projects Internships to Students	
VS Raju consultants	17-04-2019	Student Projects Internships to Students	
Murty and manyam architects and engineers, Hyderabad	10-04-2019	Consultency Research project	
SMEA	25th Aug 2019	--	
caratRED Technologies LLP	12th Feb 2019	--	--
XENONSTACK Training program	12th July 2018		--
TCS	01st April 2018		
		--	
Studenting Era	19th Mar 2018	--	--
REDHAT Acadamy	1st March 2018	--	--
National Remote Sensing Center	22nd Feb 2018	Faculty and Students partcipated in NPTEL courses conducted by IIT `s	--
NPTEL local chapter	28th Dec 2017	Programming Essentials in Python	Faculty+Students
Cisco Academy	29th Aug 2016	Programming Essentials in Python	Students of Griet(28)
		CCNA R&S: Intro to Networks	Students of Griet(71)
		NETWORK	Students of Griet(41)

		ESSENTIALS	
		CISCO Cyber Security Learn A Thon	Students of Griet(40)
		--	Students of Griet(155)
ORACLE	26th Aug 2016		--
IIT Bombay Spoken Tutorials	30th Jan 2016	--	
SAP University Alliances Program Associate Membership	15th July 2015	--	--
TASK	1997	Consultancy project	--
Ample Auto Tech Pvt LTD	16-Jul-2018	Workshops, Training events and Long term training programs	1(F)
Skyy Rider Institutions for Advanced Skill and Research	02/01/2020	Research	Nil
Measure India	22/08/2019	Value added programs	Nil
Adroitec	11/07/2019		Nil
TSCOST	26-02-2020	Projects and training programs	-----
BRCORP	02.01.2020	Entrepreneurship	-----
Innovations Communications Systems	31.01.2020	Training Partner	
International Journal of Intelligent Computing and Cybernetics	28.08.2019	Research and Consultancy International Conference	77
World Journal Of Engineering	20.08.2019	Research and Consultancy International Conference	77
International Association of Online Engineering	18.07.2019	Research and Consultancy International Conference	77

CRITERION IV - INFRASTRUCTURE AND LEARNING RESOURCES-2019-20

4.1 Physical Facilities

4.1.1 Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
1100 Lakhs	960.21 Lakhs

4.1.2 Details of augmentation in infrastructure facilities during the year

Facilities	Existing	Newly added
Campus area	24 ACRES	
Class rooms	75	
Laboratories	109	05
Seminar Halls	11	
Classrooms with LCD facilities	75	
Classrooms with Wi-Fi/ LAN	75	
Seminar halls with ICT facilities	11	
Video Centre		
No. of important equipments purchased (≥ 1-0 lakh) during the current year.	283	676
Value of the equipment purchased during the year (Rs. in Lakhs)	Rs11,32,20,542	Rs.1,76,26,912
Others		

4.2 Library as a Learning Resource

4.2.1 Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
KOHA	FULLY	18.05.X	2017

4.2.1 Library Services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value Value
Text Books	124196	34997298	3280	1284066	127476	36281364
Reference Books	12288	3433196	32	23808	12320	3457004
e-Books	210	1137191.00	-	-	210	1137191.00
Journals(renewal)	267	830084.00	262	849288	262	849288
e-Journals	9936	1832449	9936	2127088	9936	2127088
Digital Database	1	70800	1	72216	1	72216
CD & Video	120	90000	--	---	120	90000
Library automation	1	Open Source Software	--	--	1	Open Source Software
Weeding (Hard & Soft)	2431	665551	--	---	---	---
Others (specify) DELNET	1	13570	1	---	1	13570

4.2.2 E-content developed by teachers such as: e-PG-Pathshala, CEC (under e-PG-Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government

initiatives & institutional (Learning Management System (LMS) etc

Name of the teacher	Name of the module	Platform on which module is developed	Date of launching e - content
J.KishoreBabu	Applied Physics	Institutional LMS moodle	02/01/2020
Dr.V.N.Rama Devi	Probability & Statistics	Institutional LMS moodle	02/01/2020
Dr.M.Sridhar	Applied Physics	Institutional LMS moodle	02/01/2019
Dr.K.Vagdevi	Applied Physics	Institutional LMS moodle	02/01/2020
Dr.K.Vagdevi	Applied Physics	Institutional LMS moodle	02/01/2020
Ch Phani Rama Krishna	Differential equation and vector calculus	Institutional LMS moodle	04/01/2020
J.KishoreBabu	Applied Physics	Institutional LMS moodle	04/01/2020
K Kalpana	Engineering Chemistry	Institutional LMS moodle	04/01/2020
K Kalpana	Engineering Chemistry Laboratory	Institutional LMS moodle	04/01/2020
K.Lavanya	Engineering Chemistry	Institutional LMS moodle	04/01/2020
K.Lavanya	Engineering Chemistry Laboratory	Institutional LMS moodle	04/01/2020
Siva Rama Krishna Reddy. V	Differential Equation and Vector Calculus	Institutional LMS moodle	04/01/2020
MV Srikanth Reddy	Differential Equation and Vector Calculus	Institutional LMS moodle	04/01/2020
Dr . BRK Reddy	Differential Equation and Vector Calculus	Institutional LMS moodle	04/01/2020
V Vinay Kumar	Differential Equation and Vector Calculus	Institutional LMS moodle	04/01/2020
Dr.G.Swapna	Differential Equation and Vector Calculus	Institutional LMS moodle	04/01/2020
M Krishna	Applied Physics	Institutional LMS moodle	04/01/2020
M Krishna	Applied Physics Lab	Institutional LMS moodle	04/01/2020
G.Kalpana	Applied Physics	Institutional LMS moodle	04/01/2020
G.Kalpana	Applied Physics Lab	Institutional LMS moodle	04/01/2020
B shanti sree	Applied Physics	Institutional LMS moodle	04/01/2020
B shanti sree	Applied Physics Lab	Institutional LMS moodle	04/01/2020

Rekha.P.M	English	Institutional LMS moodle	04/01/2020
Dr G Patrick	Applied Physics	Institutional LMS moodle	04/01/2020
Dr.V.LakshmiPrasanna	English	Institutional LMS moodle	05/01/2020
LakshmikanthiRemella	English	Institutional LMS moodle	05/01/2020
K. Aruna	English	Institutional LMS moodle	05/01/2020
Dr.RamaurthySuri	Differential Equation and Vector Calculus	Institutional LMS moodle	05/01/2020
A.Kapil Kumar	Programming for Problem solving (PPSL)	Institutional LMS moodle	05/01/2020
D. Suguna Kumari	Programming for Problem solving (PPS)	Institutional LMS moodle	05/01/2020
D. Suguna Kumari	Programming for Problem solving Lab (PPSl)	Institutional LMS moodle	05/01/2020
A.sravanthi	Programming for Problem solving (PPS)	Institutional LMS moodle	05/01/2020
A.sravanthi	Programming for Problem solving Lab (PPSL)	Institutional LMS moodle	05/01/2020
k.ch.suneetha	Programming for Problem solving (PPS)	Institutional LMS moodle	05/01/2020
k.ch.suneetha	Programming for Problem solving Lab (PPSL)	Institutional LMS moodle	05/01/2020
A.SOWMYA	Programming for Problem solving Lab (PPS)	Institutional LMS moodle	06/01/2020
A.SOWMYA	Programming for Problem solving Lab (PPSL)	Institutional LMS moodle	06/01/2020
R.shalini	Programming for Problem solving Lab (PPS)	Institutional LMS moodle	06/01/2020
R.shalini	Programming for Problem solving Lab (PPSL)	Institutional LMS moodle	06/01/2020
K.RatnaBabu	Engineering Mechanics	Institutional LMS moodle	06/01/2020
J V Suresh	Engineering Graphics	Institutional LMS moodle	06/01/2020
M.Mamatha Gandhi	Engineering Graphics	Institutional LMS moodle	06/01/2020
D Suresh Kumar	Engineering Graphics	Institutional LMS moodle	06/01/2020
V Balaji	Engineering Graphics	Institutional LMS moodle	06/01/2020
P.Gopi Krishna	Differential Equation and Vector Calculus	Institutional LMS moodle	06/01/2020
Dr.B.Jyothirmai	Engineering Chemistry	Institutional LMS	06/01/2020

		moodle	
Dr.B.Jyothirmai	Engineering Chemistry lab	Institutional LMS moodle	06/01/2020
M.HarithaKiran mai	Engineering Chemistry	Institutional LMS moodle	06/01/2020
M.HarithaKiran mai	Engineering Chemistry Laboratory	Institutional LMS moodle	06/01/2020
Bh.Saroja Rani	Engineering Chemistry	Institutional LMS moodle	06/01/2020
Bh.Saroja Rani	Engineering Chemistry Laboratory	Institutional LMS moodle	06/01/2020
Dr. V. Mallikarjuna Reddy	Design of Steel Structures	Institutional LMS - Moodle	09/12/2019
Dr. Mohammed Hussain	Advanced Water Resources Engineering	Institutional LMS - Moodle	09/12/2019
Dr. V.Srinivasa Reddy	Construction Technology & Project Management	Institutional LMS - Moodle	09/12/2019
Mr. T.Srinivas	Solid Mechanics-II/ Design of Steel Structures	Institutional LMS - Moodle	09/12/2019
Mr.T Srikanth	Transportation Engineering/Highway Materials Lab	Institutional LMS - Moodle	09/12/2019
Dr. C.Lavanya	Geotechnical Engineering -1	Institutional LMS - Moodle	09/12/2019
Mr. S. Venkatacharyul u	Hydraulic Engineering	Institutional LMS - Moodle	09/12/2019
Mr.V Siva Prasad Raju	Surveying Lab	Institutional LMS - Moodle	09/12/2019
Mr. Y.Kamala Raju	Solid Mechanics-II / Computer Aided Design Lab	Institutional LMS - Moodle	09/12/2019
Mrs. P.Santhi Raj	Seminar / Highway Materials lab	Institutional LMS - Moodle	09/12/2019
Mrs.K.Hema Latha	Structural Analysis / Plastic Waste Management	Institutional LMS - Moodle	09/12/2019
Mr.A.Vittalaiah	Geotechnical Engineering Lab	Institutional LMS - Moodle	09/12/2019
Mr.Rathod Ravinder	Fluid Mechanics and Hydraulic Machinery Lab	Institutional LMS - Moodle	09/12/2019
Mr.A.Prakash	Surveying Lab / Geographic Information System Lab	Institutional LMS - Moodle	09/12/2019
Mrs. P.Sirisha	Prestressed Concrete / Geotechnical Engineering Lab	Institutional LMS - Moodle	09/12/2019
Mr.M.S.Britto JayaKumar	Industrial Oriental Mini Project / Seminars	Institutional LMS - Moodle	09/12/2019

Ms I. Chandana	Geographic Information LAB / Remote Sensing and GIS	Institutional LMS - Moodle	09/12/2019
Mrs.G.Swetha	Geotechnical Engineering Lab / Geographical Information Lab	Institutional LMS - Moodle	09/12/2019
Mr.P.V.V.S.S.S.R .Krishna	Highway Materials Lab /Major Project	Institutional LMS - Moodle	09/12/2019
D Karuna Kumar	Basics of Electrical and Electronics Engineering	Institutional LMS - Moodle	09/12/2019
P. Praveen Kumar	Basics of Electrical and Electronics Engineering	Institutional LMS - Moodle	09/12/2019
K. Sunil Kumar Reddy	Mechanical Engineering	Institutional LMS - Moodle	09/12/2019
Dr. K. Srikanth	Surveying and Geomatics	Institutional LMS - Moodle	09/12/2019
Vivek Kumar C	Computer Aided Design Lab	Institutional LMS - Moodle	09/12/2019
V Naresh Kumar Varma	Surveying Lab / Plastic Waste Management	Institutional LMS - Moodle	09/12/2019
Sunil Koremla	Management Science	Institutional LMS - Moodle	09/12/2019
Mrs.OSD Hima Bindu	Highway Materials Lab	Institutional LMS - Moodle	09/12/2019
Dr V.N.Rama Devi	Probability and Statistics	Institutional LMS - Moodle	09/12/2019
R karthikeyan	Applied Thermodynamics	Institutional LMS - Moodle	09/12/2019
Y Gayatri	Constitution Of India	Institutional LMS - Moodle	09/12/2019
B. Ch. Nooka Raju	Fluid Mechanics and Fluid Machines	Institutional LMS - Moodle	09/12/2019
K. Sunil Kumar Reddy	Fluid Mechanics and Fluid Machines Lab	Institutional LMS - Moodle	09/12/2019
D. Siva Naga Raju	Kinematics of machinery	Institutional LMS - Moodle	09/12/2019
Dr R. Raman Goud	Manufacturing Processes	Institutional LMS - Moodle	09/12/2019
S. Sravan Sashank	Manufacturing processes lab	Institutional LMS - Moodle	09/12/2019
D Eswaraiah	Thermal Engineering Lab	Institutional LMS - Moodle	09/12/2019
D Siva Nagaraju	Heat transfer Lab	Institutional LMS - Moodle	09/12/2019
Dr U.S Jyothi	Heat transfer	Institutional LMS - Moodle	09/12/2019
Ch Bandhavi	Industrial management	Institutional LMS - Moodle	09/12/2019

Dr. Ram Subbiah	Industrial Oriented Mini project Lab	Institutional LMS - Moodle	09/12/2019
Dr. Y Srilatha	Java/DBMS lab	Institutional LMS - Moodle	09/12/2019
Mrs. B Tanya	Metrology and Surface Engineering	Institutional LMS - Moodle	09/12/2019
: Mrs. Ch Bandhavi	Metrology Lab	Institutional LMS - Moodle	09/12/2019
S. Sravan Sashan	Mechatronics	Institutional LMS - Moodle	09/12/2019
Krishna Mohan Buddaraju	CAM and Simulation LAB	Institutional LMS - Moodle	09/12/2019
B Shankarachary	Production planning and control (PPC)	Institutional LMS - Moodle	09/12/2019
Dr. K Satyanarayana	UnConventional Manufacturing Processes (UCMP)	Institutional LMS - Moodle	09/12/2019
Dr. L. Jayahari	Manufacturing Processes (UCMP)	Institutional LMS - Moodle	09/12/2019
D Eswaraiah	Refrigeration & Air Conditioning (R&AC)	Institutional LMS - Moodle	09/12/2019
Venkateswarlu Kavati	Refrigeration & Air Conditioning (R&AC	Institutional LMS - Moodle	09/12/2019
Dr. J. Sridevi	Switch Gear & Protection	Institutional LMS - Moodle	15/12/2019
Dr. T. Suresh Kumar	Pedagogy Studies	Institutional LMS - Moodle	15/12/2019
Dr.D G Padhan	Control Systems	Institutional LMS - Moodle	15/12/2019
Dr B Phaneedra Babu	AC Machines	Institutional LMS - Moodle	15/12/2019
Dr. Pakkiraiah	Modern Power Electronics	Institutional LMS - Moodle	15/12/2019
Dr. D.N. Malleswara Rao	Utilization of Electrical Engineering	Institutional LMS - Moodle	15/12/2019
V.Vijaya Rama Raju	Computer Methods in Power System	Institutional LMS - Moodle	15/12/2019
P Ravi Kanth	Digital Electronics	Institutional LMS - Moodle	15/12/2019
A Vinay Kumar	AC Machines	Institutional LMS - Moodle	15/12/2019
M. Srikanth	Control Systems	Institutional LMS - Moodle	15/12/2019
P.Praveen Kumar	Basic Electrical and Electronics Engineering	Institutional LMS - Moodle	15/12/2019
R. Anil Kumar	Digital Electronics	Institutional LMS - Moodle	15/12/2019

U. Vijaya Lakshmi	Power Systems Lab	Institutional LMS - Moodle	15/12/2019
D Karuna Kumar	Basic Electrical and Electronics Engineering	Institutional LMS - Moodle	15/12/2019
Y Satyavani	Switch Gear & Protection	Institutional LMS - Moodle	15/12/2019
M Naga Sandya Rani	Utilization of Electrical Engineering	Institutional LMS - Moodle	15/12/2019
G Sandya Rani	Basic Electrical Engineering	Institutional LMS - Moodle	15/12/2019
P Sri Vidya Devi	Control Systems Lab	Institutional LMS - Moodle	15/12/2019
M Rekha	Programmable Logic Controller	Institutional LMS - Moodle	15/12/2019
P Sirisha	Basic Electrical Engineering	Institutional LMS - Moodle	15/12/2019
V Usha Rani	Flexible AC Transmission Systems	Institutional LMS - Moodle	15/12/2019
P Prashanth Kumar	Programmable Logic Controller Lab	Institutional LMS - Moodle	15/12/2019
K Sudha	Digital Electronics Lab	Institutional LMS - Moodle	15/12/2019
M Karthika	Control System Lab	Institutional LMS – Moodle	15/12/2019
M Prashanth	FACTS and Custom Power Devices	Institutional LMS – Moodle	15/12/2019
M Vinod Kumar	Basic Electrical Engineering	Institutional LMS – Moodle	15/12/2019
D Srinivasa Rao	AC Machines Lab	Institutional LMS – Moodle	15/12/2019
Dr. S.Ravindra Chary	Economics and Accounting Engineers	Institutional LMS Module	10/12/2019
N.Latha	Managerial Economics and Financial Analysis	Institutional LMS Module	10/12/2019
Dr A. Sai Hanuman	Operating Systems	Institutional LMS Module	10/12/2019
S.Bhargavi Latha	Operating Systems	Institutional LMS Module	10/12/2019
Dr Surabhi Guptha	Operating Systems	Institutional LMS Module	10/12/2019
Dr.K.Anuradha	Object Oriented Programming through Java	Institutional LMS Module	10/12/2019
Dr.K.Kavitha	Object Oriented Programming through Java	Institutional LMS Module	10/12/2019
A.Sri swathi	Object Oriented Programming through Java	Institutional LMS Module	10/12/2019
G.Mallikarjuna	Design and Anlysis of	Institutional LMS	10/12/2019

Rao	Algorithms	Module	
R.Aruna Flarence	Design and Anlysis of Algorithms	Institutional LMS Module	10/12/2019
Dr.S.Govinda Rao	Computer Organization	Institutional LMS Module	10/12/2019
Dr.G.S.Bapi Raju	Computer Organization	Institutional LMS Module	10/12/2019
K.Sowmya Priya	Java Programming Lab	Institutional LMS Module	10/12/2019
A.Sri swathi	Java Programming Lab	Institutional LMS Module	10/12/2019
V.Anusha	Java Programming Lab	Institutional LMS Module	10/12/2019
B.Sindhuja	Java Programming Lab	Institutional LMS Module	10/12/2019
M.Sridhar	Operating Systems Lab	Institutional LMS Module	10/12/2019
B.Prasanthi	Operating Systems Lab	Institutional LMS Module	10/12/2019
A.Naga Mallik	Operating Systems Lab	Institutional LMS Module	10/12/2019
S.Bhargavi Latha	Operating Systems Lab	Institutional LMS Module	10/12/2019
G.Soujanya	Operating Systems Lab	Institutional LMS Module	10/12/2019
J.Bhargavi Latha	Scripting Languages Lab	Institutional LMS Module	10/12/2019
CVNS Anuradha	Scripting Languages Lab	Institutional LMS Module	10/12/2019
Md.Nasreen	Scripting Languages Lab	Institutional LMS Module	10/12/2019
G.Arshi Mirza	Scripting Languages Lab	Institutional LMS Module	10/12/2019
P.Sri Vidya	Scripting Languages Lab	Institutional LMS Module	10/12/2019
K.Sahithi	Scripting Languages Lab	Institutional LMS Module	10/12/2019
B.Ravi Kiran	Environmental Science	Institutional LMS Module	10/12/2019
Dr C.R V Rao	Environmental Science	Institutional LMS Module	10/12/2019
Dr Jyothirmai	Environmental Science	Institutional LMS Module	10/12/2019
K.Lavnaya	Environmental Science	Institutional LMS Module	10/12/2019
G.Devi Priya	Design and Analysis of Algorithms	Institutional LMS Module	10/12/2019

A.Naga Mallika	Design and Analysis of Algorithms	Institutional LMS Module	10/12/2019
K.Sudheer Babu	Design and Analysis of Algorithms	Institutional LMS Module	10/12/2019
V .Srinivas	Design and Analysis of Algorithms	Institutional LMS Module	10/12/2019
Dr.G.N Beena Bethel	Software Engineering	Institutional LMS Module	10/12/2019
Dr.M.Jithendra	Software Engineering	Institutional LMS Module	10/12/2019
Dr.B.Sankara Babu	Software Engineering	Institutional LMS Module	10/12/2019
Dr K ButchiRaju	Web Technologies	Institutional LMS Module	10/12/2019
Dr P Vara Prasada Rao	Web Technologies	Institutional LMS Module	10/12/2019
K.Anusha	Web Technologies	Institutional LMS Module	10/12/2019
G.Santhosh Kumar	Web Technologies	Institutional LMS Module	10/12/2019
R.Soujanya	Big Data Analytics	Institutional LMS Module	10/12/2019
B.Rupa	Big Data Analytics	Institutional LMS Module	10/12/2019
Y.Krishna Bhargavi	Big Data Analytics	Institutional LMS Module	10/12/2019
Dr.Padmalaya Nayak	Information Security	Institutional LMS Module	10/12/2019
B.Lalitha	Web Technologies Lab	Institutional LMS Module	10/12/2019
Y Manoj Kumar	Web Technologies Lab	Institutional LMS Module	10/12/2019
K.Adi Lakshmi	Web Technologies Lab	Institutional LMS Module	10/12/2019

4.3 IT Infrastructure

4.3.1 Technology Upgradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Available band width (MGBPS)	Others
Existing	2018	62	400MBPS	2	2	40	1978	400MBPS	
Added	60		400MBPS				60	400MBPS	
Total	2078		800MBPS	2	2	40	2038	800MBPS	

4.3.2 B*andwidth available of internet connection in the Institution (Leased line)*	
.........800............ MBPS	

4.3.3 Facility for e-content	
Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Lecture Recording System (LRS) to record the lectures	https://www.youtube.com/watch?v=TjAH1mawm4E
Screen Casting Tools (open Source) such as Screencast-O-Matic,Jing, CamStudio and Screenr for recording lectures.	https://www.youtube.com/watch?v=us1DXjD4WN8
	https://www.youtube.com/watch?v=AX6KtYh1l94
Learning Management System (LMS): GRIET-Moodle	
Interactive Panel for recording class room lecture written by the faculty on the white board.	https://www.youtube.com/watch?v=L9lfrUQ59t4&feature =youtu.be

4.4 Maintenance of Campus Infrastructure

4.4.1 Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
Rs. 60000000	Rs. 45878762	Rs. 80000000	Rs 79371401

4.4.2 Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words)   (information to be available in institutional Website)

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 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: 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 acts as 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.

Feedback systems: Suggestions, surveys, complaint registers provide necessary course correction mechanisms to ensure stakeholders satisfaction to the maximum.

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 410 KVA(250KVA+ 160 KVA) is available.UPS back up of 20 KVA is made available for Exam Branch and 5 KVA for Server room. Solar power plant of 400 KWP capacity is available and is maintained meticulously by technical team.

CRITERION V - STUDENT SUPPORT AND PROGRESSION

5.1 Student Support

5.1.1 Scholarships and Financial Support

	Name /Title of the scheme	Number of students	Amount in Rupees
Financial support from institution	JSL Memorial Endowment Award Vadlamudi Ramanaidu Memorial Scholarship Adapa Krishnaiah Memorial Endowment Award Mrs & Mr Mastan Endowment Award Alumnus Award for Academic Excellence	20	53,000/-
Financial support from other sources			
a) National	Post matric Scholarships (Fee Reimbursement issued by TS Govt.) MHRD (National Scholarship Portal) GATE Scholarship Etc.,	2967	19,11,27,000/-
b) International			

5.1.2 Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Guidance for Competitive examinations	2019-20	1436	ACE Gate, Abhyas, FutureTech
Career Counselling	2019-20	2480	GRIET
Soft skill Training	2019-20	4978	BV Pattabi Raman, SunTek Corp, FACE, Talentio, Seventh Sense, TIME, Talent sprint
Remedial classes	2019-20	834	GRIET
Language Lab	2019-20	1889	GRIET
Bridge Courses	2019-20	6414	IEEE, TEQIP-II Being Zero Team, IBM, MICROSOFT, Cyient,

			Abhayaas, QEEE
Yoga Meditation	2019-20	1236	Yoga Guruji Ms Soudhamini A freelancer yoga trainer
Personal Counselling	2019-20	4978	GRIET

5.1.3 Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students by Guidance for Competitive examination	Number of benefited students by Career Counselling activities	Number of students who have passed in the competitive exam	Number of students placed
2019-20	Career Counselling	1436	2480	286	843

5.1.4 Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	No. of grievances redressed	Average number of days for grievance redressal
1	1	7 days

5.2 Student Progression

5.2.1 Details of campus placement during the year

On campus		Off Campus	
Name of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
Zemoso	265	13	
Darwinbox	158	2	
TCS Digital	850	11	
TCS Ninja (D)	850	17	
EPAM	265	1	
Hyundai Mobis	252	7	
Magnitude	265	3	
TCS Ninja (C)	850	12	
TCS Digital (C)	850	4	
TCS Ninja	850	238	
TCS Digital (N)	850	10	
Capgemini	850	158	
Capgemini (Digital)	850	3	
NCR	450	6	
TA Digital	275	6	
ENHI Secure	105	2	

WestAgile	105	2	
Audintel	120	3	
Microsoft	21	1	
Hexaware	85	7	
Trianz	56	2	
ValueMomentum	28		1
Aliensgroup	106	11	
Infosys	85	5	
Cognizant	250	50	
Bridgei2i	45	1	
Seneca Global	48	4	
CISCO	15	5	
apporchid	25		1
CGI	45	6	
Wipro	153	57	
Keane NTT Data	48	5	
Mindtree	48		1
CodeTantra	54	1	
ACC	55	7	
IBM	59	6	
Amazon(SDE)	254	4	
Applaud Solutions	85	5	
Attra Infotech	56	8	
Prodapt Solutions	87		2
NetCracker	85	16	
TechMahindra	45	5	
Ctrl S	49	1	
Cognitus Consulting	45	2	
RDC Concrete	68	1	
FTD	69	1	
TATA AIG	45	1	
Squareyards	64	10	
ProKarma	55		2
DBS	57	4	
PoleToWin	68		2
AssetSense Technologies Pvt.Ltd	45	3	
Quest Diagnostics HTAS India Pvt.Ltd	25		1
Franklin Templeton	69	5	
Genpact	65	9	
NextSCM Solutions Pvt.Ltd(INCREFF)	25		1
DXC Technologies	128	67	

Instrukart Holdings	24		2
Edupolis	25		1
Opentext	128	1	
Eze Software	68	4	
SGD Pharma	65	3	
Byjus	65	6	
ITC India Pvt.Ltd	38	1	
IVY Comptech	49	5	
NIIT	28		1

5.2.2 Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of Programme admitted to
2019-20	48	B Tech	Information Technology	Arizona State University Luddy School of Informatics, Computing & Engineering California State University, East Bay San Jose State University UCONN Graduate School The University of Texas at Dallas Missori University of Science & Technology Suny Albany University USC University of South California Swansea University,Prifysgol Abertawe TRENT University,School of Graduate Studies Northern Illinois University NORTHWEST Missouri State University	MS, MTech
2019-20	172	B Tech	Computer Science Engineering	M.S at Loyalist College in Belleville, Ontario, Canada M.S at James Cook University,Australia Msc at Lakehead University,Canada M.S in La Trobe University,Australia M.S at The University of Adelaide,Australia M.S at Deakin University,Australia M.S in Wright State University,Dayton,USA M.S at Latrobe University,Australia IELTS M.S In Colorado State University,USA M.S at Arizona State University,USA M.S at Chalmers University of Technology,Gothenburg M.S in The University of Texas at Dallas,USA M.S at Valparaiso University,USA M.S in Rowan University,New Jersey,USA M.S in University of Newyork at Buffalo,USA M.S at University of Cincinnati,USA M.S in University of New Haven,USA M.S in University of New Haven,USA M.S at Texas A&M University,USA	MS, MTech

				M.S at California State University,East Bay,USA IELTS Rutgers,The State University of New Jersey Rutgers-Newark,USA M.S in Duquesne University,USA M.S at Carleton University,Canada M.S at Cleveland State University,USA Msc at University of East London,UK M.S at The University of Texas at Dallas,USA M.S at The University of TENNESSEE,Knoxville,USA M.S at Lamar University,USA M.S at PACE university,USA M.S at University of Central Missouri,USA M.S at Macquarie University,Sydney,Australia GRE Score Card & IELTS M.S at University of North Carolina at Charlotte,USA M.S in La Trobe University,Australia M.S at University of Alabama at Birmingham,USA M.S at Latrobe University,Australia	
2019-20	156	B Tech	ECE	Cleveland State University, University of Houston-Clear Lake, Luddy School of Informatics, Computing, and Engineering, Northern ILLINOIS University	MS, MTech
2019-20	56	B Tech	Mechanincal Engineering	University of Windsor,University of New Haven,Ontario Tech University,Fachhochschule des Mittelstands(FHM),TECHNISCHE UNIVERSITAT DRESDEN,Northeastern University College of Engineering,University of Texas at Arlington,Management and International Business at Nottingham Trent University,CBIT	MS, MTech
2019-20	55	B Tech	EEE	University of Cincinatti, University of Concordia, Candore College	MS, MTech
2019-20	58	B Tech	Civil Engineering	North Carolina Technical State University, Swiburne Unviersity, Northern Illinos University	MS, MTech

5.2.3Students qualifying in state/ national/ international level examinations during the year (eg: NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	No. of Students **selected/ qualifying**	Registration number/roll number for the exam
NET		
SET		
SLET		

GATE		2	16241A0159
GMAT		2	16241A05A3
CAT		3	16241A0170
GRE		186	17245A0108, 16241A0179
TOFEL		24	16241A01A7
Civil Services			
State Government Services			
Any Other			

5.2.4 Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Participants
Khelostav 2020	State Level	400
Annual Day Sports Meet	College Level	800
GPL Cricket	College Level	360
Advaitha-Cultural	State Level	120
Pragnya Cultural	College Level	48
Vervo	College Level	60
Arena	College Level	80
Rhythms	College Level	160
SANKALP-2k19	College Level	4
CANTEEN LIVE PERFORMANCE	College Level	20
G-TALKS	College Level	25
PRAGNYA 2k19	College Level	25
RHYTHMS DAY	College Level	
CHALLENGE ACI HACKATHON	College Level	
ALUMNI MEET	College Level	20
ANNUAL DAY	College Level	20
WOMEN'S DAY	College Level	20
Bathukamma and Dandiya	College Level	430
Quran Tunes	College Level	50

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)

Year	Name of the award/ medal	National/ International	Sports	Cultural	Student ID number	Name of the student
2019-20	Runners	National	Volleyball		16241A05B7	V.SRIKANTH
2019-20	Runners	National	Volleyball		17241A1212	NITHIN
2019-20	Runners	National	Volleyball		17241A0482	PAVAN KALYAN
2019-20	Runners	National	Volleyball		18241A03B3	ALEX

2019-20	Runners	National	Volleyball		18241A1201	BHARGAV
2019-20	Runners	National	Volleyball		19241A0147	VARUN
2019-20	Runners	National	Volleyball		19241A0544	ROHAN
2019-20	Runners	National	Volleyball		18245A0452	BUSHAN
2019-20	Runners	National	Volleyball		18241A0444	SUJITH
2019-20	Runners	National	Volleyball		17241A05Y2	VINEETH
2019-20	Runners	National	Football		18241A02K3	K.MILIND
2019-20	Runners	National	Football		18241A0437	THARUN
2019-20	Runners	National	Football		18241A0548	CHARAN
2019-20	Runners	National	Football		18241A04E1	BHARGAV
2019-20	Runners	National	Football		18241A05Z8	VARUN
2019-20	Runners	National	Football		18241A04F6	RUSHIK
2019-20	Runners	National	Football		18241A05N2	KUSHAL
2019-20	Runners	National	Football		17241A05D1	SHIVA
2019-20	Runners	National	Football		18241A05Y7	SATWIK
2019-20	Runners	National	Football		18241A0505	SRIMAN
2019-20	Runners	National	Football		17241A0347	SOMESH
2019-20	Runners	National	Football		18241A0422	MYTHRESH
2019-20	Runners	National	Football		18241A05N6	VINAY
2019-20	Runners	National	Football		18241A05K2	ANKUSH
2019-20	Runners	National	Football		18241A0528	ANSAR
2019-20	Winners	National	Kho Kho Girls		17241A04E3	K.AKHILA
2019-20	Winners	National	Kho Kho Girls		17241A05T8	V.SOUJANYA
2019-20	Winners	National	Kho Kho Girls		17241A12B6	G.RISHITHA
2019-20	Winners	National	Kho Kho Girls		17241A0284	K.AKHILA
2019-20	Winners	National	Kho Kho Girls		17241A0268	B.SATWIKA
2019-20	Winners	National	Kho Kho Girls		17241A0190	M.SPANDANA
2019-20	Winners	National	Kho Kho Girls		18241A05D8	G.VASAVI
2019-20	Winners	National	Kho Kho Girls		18241A0424	M.SRAVANTHI
2019-20	Winners	National	Kho Kho Girls		19241A1207	B.ANUSHA
2019-20	Winners	National	Kho Kho Girls		19241A0195	T.CHANDHANA
2019-20	Winners	National	Kho Kho Girls		17241A04E5	K.SUCHITHA
2019-20	Winners	National	Kho Kho Boys		16241A04R7	SAGAR REDDY
2019-20	Winners	National	Kho Kho Boys		16241A0402	PRADEEP
2019-20	Winners	National	Kho Kho Boys		16241A0589	PRASANTH REDDY
2019-20	Winners	National	Kho Kho Boys		16241A05B6	RAJ SAI
2019-20	Winners	National	Kho Kho Boys		16241A05G9	AKHIL
2019-20	Winners	National	Kho Kho Boys		18241A02C7	AKHIL
2019-20	Winners	National	Kho Kho Boys		16241A03D3	ANVESH
2019-20	Winners	National	Kho Kho Boys		16241A05B8	SRIKANTH
2019-20	Winners	National	Kho Kho Boys		16241A02B2	HARSHAVARDHAN
2019-20	Winners	National	Kho Kho Boys		16241A0157	SURESH NAYAK
2019-20	Winners	National	Kho Kho Boys		18241A04P6	B.ANIL
2019-20	Winners	National	Kabbaddi		18241A02C0	B. SAI TEJA
2019-20	Winners	National	Kabbaddi		18241A01A2	RAHUL
2019-20	Winners	National	Kabbaddi		19241A0276	RAMAKANTH
2019-20	Winners	National	Kabbaddi		19241A0464	SHIVA SAI
2019-20	Winners	National	Kabbaddi		19241A0366	B.YASWANTH
2019-20	Winners	National	Kabbaddi		19241A0527	AKHIL KUMAR
2019-20	Winners	National	Kabbaddi		19241A0595	FASIUDDIN
2019-20	Winners	National	Kabbaddi		18241A0548	SOMESHWAR
2019-20	Winners	National	Kabbaddi		19241A0381	SIDDHARTH
2019-20	Winners	National	Kabbaddi		19241A04C6	RAKESH
2019-20	Winners	National	Kabbaddi		19241A04E0	JEEVAN
2019-20	Best Volunteer Award	National		Cultural	17241A0515	G.S. S .Meghana
2019-20	Most Talented Volunteer Award	National		Cultural	18241A05N7	G Vaishnavi

2019-20	Most Talented Volunteer Award	National		Cultural	18241A05J5	Sujan DVSS
2019-20	Outstanding Volunteer Award	National		Cultural	18241A05J8	G Ramya
2019-20	Exceptional EB Award	National		Cultural	18241A05M8	S Pranay Reddy
2019-20	Super Singer 11 Winner	National		Cultural	18241A0518	K.Suswara Tarang
2019-20	First Prize	National		Cultural	17241A1211	Madhuri
2019-20	Title Winner			Radio city super singer 11 competitions	18241A0518	K Suswara Tarang
2019-20	1st Runner up			Radio city super singer 11 competitions	17241A0147	Nikitha rao

5.3.2 Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

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 esure 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)

5.3 Alumni Engagement

5.3.1 Whether the institution has registered Alumni Association? Yes/No, if yes give details (maximum 500 words):

Yes.

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.

5.3.2 No. of registered Alumni:
564
5.3.3 Alumni contribution during the year (in Rupees) **:**
Rs. 11,99,761
5.3.4 Meetings/activities organized by Alumni Association**:**
2

CRITERION VI –GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 Institutional Vision and Leadership

6.1.1 Mention two practices of decentralization and participative management during the last year (maximum 500 words)

Practice1:

 The Process for Framing new Regulations in Academics: GRIET includes all stake holders in the designing and implementation of new regulations, which is transparent and decentralized. The course expert in the concerned department considers the alumni feedback, syllabus followed by renowned universities, suggestions from other experts in the same area of specialization to frame the syllabus in a particular regulation. Course Coordinator will approve the syllabus after considering suggestions from the subject experts. HOD will conduct a Department Academic Committee (DAC) meeting to approve the syllabus of particular program, after all possible modifications. Board of Studies (BOS) meeting which includes external experts of different specializations from Industry and University approves regulations, course structure and syllabus of a particular program. Then the Academic Affairs Committee (AAC) headed by Dean, Academic Affairs finalizes the new regulations of all programs. Finally new regulations are verified and sanctioned by Academic council of GRIET. The above process is completely decentralized and resembles like bottom up approach.

Practice 2:

To provide the student with equitable and affordable technical education of the best quality. GRIET attains this goal by implementing the following conventions.

- Curriculum Design: The course expert in the concerned department considers the alumni feedback, syllabus followed by renowned universities, suggestions from other experts in the same area of specialization to frame the syllabus in a particular regulation. Course Coordinator will approve the syllabus after considering suggestions from the subject experts. HOD will conduct a Department Academic Committee (DAC) meeting to approve the syllabus of particular program, after all possible modifications. Board of Studies (BOS) meeting which includes external experts of different specializations from Industry and University approves regulations, course structure and syllabus of a particular program. Then the Academic Affairs Committee (AAC) headed by Dean, Academic Affairs finalizes the new regulations of all programs. Finally new regulations are verified and sanctioned by Academic council of GRIET.

- AICTE / JNTUH Guidelines: Always GRIET follows the guidelines given by AICTE, JNTUH and includes all courses suggested by AICTE or other regulatory bodies. The courses are selected and designed such that they meet the present day technology, more practical oriented sessions included and the course structure suiting a wide variety of students like average to best.

- Value Added Courses / Certification Courses: Courses like Python, Design Thinking, Data Science, Entrepreneurship programs; NI Lab View, etc are also regularly conducted semester wise, so that students can choose any course irrespective of their branch.

- Teaching Learning Process: To improve the quality of education GRIET provides strong teaching learning environment all the courses are designed through ICT/ MOODLE to share contents like course materials, videos, ppts, quizzes etc can be shared.

6.1.2 Does the institution have a Management Information System (MIS)?

 Yes/No/Partial: Yes

The college involves all the stakeholders in decision making process for framing guidelines and rules & regulations to

ensure smooth and systematic functioning of the institute.

Governing body meets quarterly and is conducted in a transparent manner. The Governing Body members directly participate in various activities of the Institution. The minutes of the Governing Body, Academic Council and Annual Report are published on college website. The relevant information is shared with the employees through various meetings/circulars. The finance committee appraises the Governing Body pertaining to finances of the college. Budgetary provisions for the departments are made based on the requirements/inputs provided by the HOD.

The Principal provides leadership for the academic administration and creates an effective environment conducive for learning. He ensures that quality education is imparted to the students that foster the holistic development of the students. He also ensures all-round development of the Institute and achievement of strategic plans of the institution.

The institution has in place several Committees / Sub-Committees to continuously monitor/guide the academic and administrative activities. The committees comprise of key stakeholders including government, administrators, faculty, staff, industry, employer, alumni, parent and students.

All the Heads of the Departments are members of the Academic Council where major Academic/Administrative decisions are taken. More academic power is delegated to the Heads of the Departments.

Many senior faculty members occupy pivotal administrative positions like the Vice-Principal, Deans Placement Officer, Director, IQAC, Controller of Examination etc. Deans and Senior Faculty are made to lead various Academic/Administrative committees.

The Management has brought out a handbook (Redbook) to ensure transparency and guide the staff to discharge their responsibilities with ease and efficiency. The book provides policies, procedures, rules, benefits and other service matters. There is a smooth transition in changing over the responsibilities whenever those fall vacant. The management has also devised the policy of rotation of heads of the departments with an aim to induct and groom the next in line to lead the department.

6.2 Strategy Development and Deployment

6.2.1 Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

❖ **Curriculum Development:** The course expert in the concerned department considers the alumni feedback, syllabus followed by renowned universities, suggestions from other experts in the same area of specialization to frame the syllabus in a particular regulation. Course Coordinator will approve the syllabus after considering suggestions from the subject experts. HOD will conduct a Department Academic Committee (DAC) meeting to approve the syllabus of particular program, after all possible modifications. Board of Studies (BOS) meeting which includes external experts of different specializations from Industry and University approves regulations, course structure and syllabus of a particular program. Then the Academic Affairs Committee (AAC) headed by Dean, Academic Affairs finalizes the new regulations of all programs. Finally new regulations are verified and sanctioned by Academic council of GRIET.

❖ **Teaching and Learning:** To improve the quality of education GRIET provides strong teaching learning environment all the courses are designed through ICT/ MOODLE to share contents like course materials, videos, ppts, quizzes etc can be shared.

❖ **Examination and Evaluation :** COE (Controller of Exams) supervises the activities of Examination and Evaluation by ACE (Additional Controller of Exams) in the following ways:

1. Student Profile, Marks, Online Registration and Hall tickets are maintained in a computerized format.

2. Paper Setting includes preparation of Question Papers.

3. Examinations include maintaining Answer booklets, managing invigilation duties and all furnishing required.

4. Evaluation, Re-evaluation and Recounting procedures followed.

5. Promulgation-I includes OMR Reading, Moderation and Result Processing.

6. Promulgation-II includes Marks memos, Certificates, CMM & PC.

7. Financial maintenance of exam branch includes Exam Fee, Remuneration, and Accounting of Income & Expenditure.

❖ **Research and Development :** Major focus areas of each program at GRIET is to be sensitive to Society and

Industry requirements and problems, based on which the Research and Development program gets its impetus. The Institution follows the dictum Every project should yield a product.

The R&D Cell is responsible for the overall performance of the research activities of the institute. The primary responsibility of the R&D cell is:

To develop and enhance the Institute's research capacities.

To motivate all Faculties to pursue research in their respective areas of expertise.

To protect and commercialize the institute's intellectual property.

❖ **Library, ICT and Physical Infrastructure / Instrumentation:**

- Strong teaching learning environment in all the courses are designed through ICT/ MOODLE to share contents like course materials, videos, technical presentations, quizzes etc.

- GRIET library and Information Centre supports teaching-learning and research activities. It consists of central library and department libraries. Central library stores resources of all departments whereas department libraries store resources of departments. The library is kept open round the year. There is a committee called library committee that forms an interface between the teaching-learning and research communities and the library staff.

- Xerox facilities, Cannon Scanners, Printing facilities available in all departments in addition to all regular infrastructures.

❖ **Human Resource Management:**

❖ **Industry Interaction / Collaboration:** Internship is an opportunity that employers offer to students interested in gaining work experience in particular industries. Internships offer students a hands-on opportunity to work in their desired field. They learn how their course of study applies to the real world and build a valuable experience that makes them stronger candidates for jobs after graduation.

MOUs are made with different industrial collaborations, thereby offering certification courses, placements, industrial visits, R&D projects, etc.

❖ **Admission of Students: B.Tech :** The candidates who want to seek admission in GRIET have to qualify in

the EAMCET. The candidates should attend the counselling for admission into the Engineering colleges conducted by the Convenor. Based on the rank obtained in EAMCET, candidates can opt for GRIET as per the availability of the college and branch at the time of counselling.

M.Tech : Admission will be made through GATE. When GATE Candidates are not available, admission will be given to PGECET qualified candidates on merit basis. Admission for Sponsored category will be made based on merit. Preference will be given to GATE candidates.				

6.2.2 : Implementation of e-governance in areas of operations:

- ❖ Planning and Development
- ❖ Administration
- ❖ Finance and Accounts
- ❖ Student Admission and Support
  http://www.webprosindia.com/Gokaraju/
- ❖ Examination
  http://www.griet.in/gcap/login.php

6.3 Faculty Empowerment Strategies

6.3.1 Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019-20	N Krishna Chythanya	Machine Learning Applications in Software Engineering		2000
2019-20	S Venkata Charyulu	National conference on Water, Environment and Society (NCWES 2019)		2000
2019-20	A Prakash	National conference on Water, Environment and Society (NCWES 2019)		2000
2019-20	Dr. D. Indira	Student startup and innovation Policy and Gujarat knowledge society		5872
2019-20	V Siva Rama Krishna Reddy	International conference on computational intelligence and data engineering		2000
2019-20	Dr. K Kavitha	IEEE International Coference on Energy, Syatems and Information Processing (ICESIP) 2019, Chennai		4121
2019-20	Dr. Asisa Kumar Panigrahy	Internarional conference on intelligent computing instrumentation and control technologies		9600
2019-20	V S P Raju	Non Destrutuve Testing in Civil Engineering Structures		1500
2019-20	K Vagdevi	International Conference on Manufacturing, Material Science & Engineering		2000
2019-20	Ch Likhitha	Third International Conference on Interlligent Computing and Control Systems		2000
2019-20	K Gayathri	Third International Conference on Interlligent Computing and Control		2000

2019-20	Bhagath Kumar Soma	International Conference on Mathematical Sciences and Applications		2000
2019-20	Dr. C. Lavanya	NAACs New framework for Accreditation and Assessment for HEIs:Opportunities and Challenges		1000
2019-20	K Sunil Kumar Reddy	International Conference on Advances in Minerals, Metals, Materials, Manufacturing and Modelling		1500
2019-20	Para Rajesh	International Conference on Advances in Computing and Information Technology		5515
2019-20	G Mallikarjuna Rao	Singapre - India Hackathon 2019, IIT Madras		7728
2019-20	Dr. N. Sateesh	International Mechanical Engineering Congress -2019		7328
2019-20	Ch Pratyusha Choudari	FDP on Analog VLSI design		2000
2019-20	Dr. Dola Gobinda Padhan	Application of AI Techniques in Electrical Engineering		2000
2019-20	Dr. R Raman Goud	ASME 2019 Gas Turbine India Conference, Madras		6759
2019-20	Dr. C. Lavanya	Indian Geotechnical Conference (IGC 2009), Surat		14437
2019-20	Dr. G S Naga Malleswara Rao	Faculty Development Pragram for Student Induction, Kurnool		750
2019-20	V. Siva Rama Krishna Reddy	Calcutta Mathematical Society (ICAHMMSMM-2019), Kolkata		4990
2019-20	Dr. B Phaneendra	International Transportation Electrification Conference India 2019, Bangalore		15164
2019-20	L Gopinath	ICP-Train the Trainers -2019, Bangalore		2912
2019-20	Dr. B. Jyothirmai	International Conference om Multifunctional Materials, Hyderabad		2000
2019-20	Dr. J. Saranya	National Conference Advanced Lithium Ion Batteries, Bangalore		4050
2019-20	Dr. Y. Srilalitha	Deep Learning and its Applications, Hyderabad		2000
2019-20	J V Suresh	International Conference on Transformations in Engineering Education (ICTIEE-2020), Hyderabad		3000
2019-20	Dr. Ram Subbaiah	International Conference on Transformations in Engineering Education (ICTIEE-2020), Hyderabad		3000
2019-20	A Usha sree	International Conference on Transformations in Engineering		3000

2019-20		Education (ICTIEE-2020), Hyderabad		
2019-20	R S Uma Suseela	International Conference on Transformations in Engineering Education (ICTIEE-2020), Hyderabad		3000
2019-20	A Usha sree	Workshop on Electromagnetics and Microwave Engineering , BITS Pilani		2000
2019-20	K N V Khasim	Workshop on Electromagnetics and Microwave Engineering , BITS Pilani		2000
2019-20	Dr. M Sridhar	International Conference ion multifunctional materials, Hyderabad		2000
2019-20	Dr. G. Patrick	International Conference ion multifunctional materials, Hyderabad		2000
2019-20	Dr. N. Raja Sekhar	International Conference on Transformations in Engineering Education (ICTIEE-2020), Hyderabad		3000
2019-20	Dr. Mohd Hussain	One day Short term course on Modelling and Management of Water Resources Systems, Hyderabad		2000
2019-20	S. Aparna	International Conference on Innovations in Thermo-Fluid Engineering and Sciences - 2020, NIT Rourkela		9100
2019-20	B. Ch. Nookaraju	International Conference on Innovations in Thermo-Fluid Engineering and Sciences - 2020, NIT Rourkela		9250
2019-20	P VVSSR Krishna	AICTE FDP for Student Induction		1697
2019-20	P Sampath Krishna Reddy	International Conference on Innovations in Technology, management and Desgn for achieving sustainable development goals, Jaipur		7300
2019-20	Dr. B Phaneendra	International Conference on materials processing and characterization (ICMPC 2020), Mathura		5200
2019-20	Dr. T Suresh Kumar	International Conference on materials processing and characterization (ICMPC 2020), Mathura		5200
2019-20	Dr. Ram Subbaiah	International Conference on materials processing and characterization (ICMPC 2020), Mathura		9750
2019-20	B.Srikanth	International Conference on Machine Learning for Networking,		16500

			Paris		
2019-20	Dr. K. Anuradha			ISTE	1750
2019-20	V Srilakshmi			ISTE	1750
2019-20	Dr. G Karuna			ISTE	1750
2019-20	Dr. N Arun Vignesh			IEI	2450
2019-20	I Chandana			IEI	2095
2019-20	G Pradeep Reddy			ISTE	1770
2019-20	Dr. J. Sridevi			IEEE	3000
2019-20	Ch Pratyusha Chowdari			IETE	3000
2019-20	Dr. V. Hima Bindu			IETE	3000
2019-20	Dr. D Lakshmi Chaitanya			IETE	3000
2019-20	Dr. N. Swetha			IETE	3000
2019-20	R S Uma Suseela			IETE	3000
2019-20	Dr. B Phaneendra			IEEE	3000
2019-20	Dr. T Suresh Kumar			IEEE	3000

6.3.2 Number of professional development / administrative training programmes organized by the Colleges for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	Dates (from-to)	No. of participants (Teaching staff)	No. of participants (Non-teaching staff)
2019-20	FDP on AI, Machine Learning, IoT & Big Data Applications in Power Electronics, and its Allied Areas	NA	1st June 2020 to 6th June 2020	25	-
2019-20	International Conference on Civil Engineering Aspects for Sustainability (IConCES 2020)	NA	28th – 29th February, 2020	18	
2019-20	9 th Annual National Workshop on " Sustainable Technologies in Civil Engineering: Perspectives and Strategies (STEPS-2019) "	NA	20-21 December 2019	6	
2019-20	Big Data Analytics and Machine Learning Applications with PySpark	NA	02-12-2019 to 06-12-2019	11	
2019-20	Recent Advances in Materials Characterization	NA	23-05-2020 to 28-05-2020	12	
2019-	10th International Conference Materials Processing and	NA	21-02-2020 to 23-07-	8	

20	Characterization		2020		
2019-20	A One Week Short term Training Program on FUSION 360	NA	2019 to 07-09-2019	15	

6.3.3 No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	Date and Duration (from – to)
Artificial Intelligence, ML, IOT and Big data applications in Power electronics and allied areas, GRIET, Hyderabad	9	01-06-2020 to 06-06-2020
Art of writing papers and research methodologies, GRIET, Hyderabad	5	07-05-2020 to 13-05-2020
Faculty Awareness Program on NAAC , Sri Chatrapathi Shivajiraje Coolege, Pune	3	10-05-2020 to 15-05-2020
One week FDP on Artificial Intelligence and Machine Learning	5	22-05-2020 to 26-05-2020
Online Tools & Software for Remote Teaching-Learning, UGC-HRDC-JNTUH	4	24-04-2020 to 25-04-2020
Digital Transformation in Teaching Leaning Process	5	16-03-2020 to 30-03-2020
ONe week FDP on Moodle learning management system	3	29/04/2019 to 04/05/2019
One week FDP on "LaTeX" in association with Spoken Tutorial, conducted by IIT-Bombay & SGU	4	26/4/2020 to 02/05/2020
Online Training on Latex Conducted by SG University, Kolhapur	4	27/04/2020 to 02/05/2020
One Week FDP on Power Quality and Reactive power management Conducted by Sharad Institute of Technology	5	30/05/2020 to 05/06/2020
Agent Based Intelligent Systems Conducted by, Sathyabhama Institute Of Science & Tech	4	04/05/2020 to 06/05/2020
Online FDP on Cutting edge technologies for electrical engg, Conducted by Andhra Loyala Institute of Engg & Tech	6	18/05/2020 to 22/05/2020
AICTE Margadarshan FDP on "Outcome Based Education", GRIET, Hyderabad	4	01/12/2019 to 07/12/2019
Teaching and Learning in General Programs: TALG		01/07/2019 to 01/08/2019

Rural Development Through Technical Education, NITTR, Calcutta	5	29/07/2019 to 02/08/2019
STTP Through ICT Mode on "Indian Electricity Rules and Code of Conduct"	6	26/11/2018 to 30/11/2018
International Conference on Civil Engineering Aspects for Sustainability (IConCES 2020)	9	28th – 29th February, 2020
"MAT Lab Application in Civil Engineering" at GRIET	6	27 Feb 2017 to 06 March 2017
Advances in Civil Engineering, Nagpur Institute of Technology	8	26 -30/05/2020
6th National Conference on Water,Environment and Society-2019	2	05-June-2019 to 07-june-2019
Conference on "GEOtechnics for Infrastructures Development & UrbaniSation GeoINDUS (IGC 2019)	2	19th - 21th Dec 2019
FDP On Faculty Induction Program,GRIET	8	24-June-2019 to 29-june-2019
FDP on Digital learning through web and cloud apps at GRIET	9	26/07/2019 to 27/07/2019
Artificial Neural Networks & Deep Learning at JNTUH	5	04-11-2019 to 08-11-2019
Rural Development through Technical Institution at GRIET	8	29/07/2019-02/08/2019
FDP on "Big Data Analytics & Machine Learning Applications using Pyspark	19	2-12-2019 to 6-12-2019
"Hands on Workshop" on simulation of wireless sensor networks using ns-3 simulator-2019 at GRIET	10	19/09/2019 to 20/09/2019
AI and ML	5	29-04-2019 - 04-05-2019
International Conference: A Survey on Energy Efficient Image Transmission in WSN(ICICICT-19),Vimal Jyothi Engineering College,Kannur,Kerala	02	05-07-2019 to 06-07-2019
FDP on Artificial intelligence and Machine Learning	8	29 April - 4 May 2019
Margadarshan FDP,AICTE,GRIET	15	8/05/2020 To 13/05/2020
Medical Image and signal processing using deep learning,Organized by Centre for Artificial Intelligence and Machine Learning	19	10-12-2019 to 12-12-2019
VLSI circuits Analog and Digital Design Perspectives,AMS and HCL Technologies(JNTUA)	8	16/05/2020 To 17/05/2020
Rural Development Through Technical Education, NITTR, Calcutta	10	29-07-2019 to 02-08-2019
Outcome based education and NBA accedetation ,	11	12-05-2020 to 17-05-2020
ICT Mode on Evaluating Students Performance and Designing question Papers		25-02-2019 to 01-03-2019

Skills to improve teaching performance and productivity post COVID-19,	2	20-05-2020 to 26-05-2020
Battery Management System for Electric vehicle, KLU, Guntur	3	12-05-2020 to 17-05-2020
Research Opportunities in Electrical Engg,	4	07-05-2020 to 16-05-2020
Online tools and software for remote teaching-learning,	5	16-03-2020 to 30-03-2020
Real Time HIL Simulation for Power Electronics and Power Systems,	2	27-05-2020 to 29-05-2020
Research Methodology,	5	20-05-2020 to 25-05-2020
Faculty Awareness Program On NAAC accedetation,	6	10-05-2020 to 15-05-2020
Latex certificate,	5	27-4-2020 to2-05-2020
Artificial Intelligence and ML,	5	25-05-2020 to 29-05-2020
Digital Transformation in Teaching Learning process,	9	06-04-2020 to 22-04-2020
Internship Training on Machine Learning at ESCI, Hyderabad(04:00AM-06:00PM)	5	12 June 2019 to 3rd July 2019
Recent Innovations in Science &Technology	5	07/03/2020 to 08/03/2020
International Faculty Development Programme on "Research Challenges and Innovations in Renewable Energy , Systems", AVIT COLLEGE, CHENNAI	2	11/05/2020 to 16/05/2020
Advances in Minerals, Metals, Materials, Manufacturing and Modelling (ICAM5-2019)	5	25/09/2019 to 27/09/2019
Computer Aided Design and Manufacturing, NITTTR, Chandigarh	9	27/04/2020 to 01/05/2020
Recent Advances in Material Characterization by NITTTR Chandigarh	6	23/05/2020 to 28/05/2020
Renewable Energy Sources: A way Ahead by cummins college of engineering for women nagpur	5	15/05/2020 to 21/05/2020
MATLAB for Mechanical Engineer's, CVR, HYD	5	11/07/2019 to 13/07/2019
Faculty Development Programme On Modelling And Optimization Techniques For Materials And Manufacturing Processes	5	18/05/2020 to 22/05/2020
FDP on "Digital Learning through Web & Cloud Apps"	5	26/07/2019 to 27/07/2019

6.3.4 Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Fulltime	Permanent	Fulltime

22	-	-	-

6.3.5 Welfare schemes for

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

	2. Well equipped Sports and Gym facilities are provided for staff and family.
	3. RO drinking water at various locations along with water dispensers
	4. Pantry facility in all the departments with Refrigerator, Induction Stove etc.
	5. Assistance for participation in any technical events, hackathons, projects etc.

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

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.

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Financial	Yes	Ms. P. R. Datla & Co. Hyderabad	Yes	Principal / Management

6.4.2 Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies/ individuals	Funds/ Grants received in Rs.	Purpose
Dr. Jandhyala N Murthy	10000	Best Student Award EE & ME
Prof. PS Raju	10000	Best Supporting Staff

6.4.2 Total corpus fund generated   Rs 20,000

6.5 Internal Quality Assurance System

6.5.1 Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Dr.Sethuraman	Yes	Interdepartmental
Administrative	Yes	Dr.Sethuraman	Yes	Interdepartmental

6.5.2 Activities and support from the Parent – Teacher Association (at least three)

1.	Parent – Teacher meeting conducted once a semester
2.	Mentoring activities for every student and intimated to the respective parents.
3.	Regular attendance , marks, fee details informed to parents.

6.5.3 Development programmes for support staff (at least three)

1.	Regular Soft skill development programs at no cost.
2.	Regular workshops on Electrical Safety and Maintenance.
3.	Well equipped Sports and Gym activities.

6.5.4 Post Accreditation initiative(s) (mention at least three)
1. 'Campus Recruitment Trainings' are initiated for improving placements.
2. Sponsorship and Cash incentives are approved for faculty pursuing PH.Ds and their Research Publications.
3. GRIET MOODLE based on ICT technologies are activated for all courses.
4. NPTEL/SWAYAM/MOOCS certification obtained in various courses by faculty and students.

6.5.5

a. Submission of Data for AISHE portal   : (Yes /No) ---   Yes

b. Participation in NIRF   : (Yes /No) ---   yes

c. ISO Certification   : (Yes /No) ---   no

d. NBA or any other quality audit   : (Yes /No) ----   yes

6.5.6 Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting activity	Duration (from-----to------)	Number of participants
2019-20	GR20 (As per AICTE) curriculum are developed to strongly suit Outcome-Based Education (OBE), Choice Based Credit System (CBCS), Open Electives System, Value Added Courses.	2019-20	2019- till date	300
2019-20	Workshops and Training sessions are organized to improve various quality metrics.	2019-20	2019- till date	250
2019-20	Special Interest Groups (SIGs) are initiated to discuss and share research ideas and do collaborative work.	2019-20	2019- till date	100
2019-20	Course-based Projects are developed for the laboratory courses of every semester and are presented.	2019-20	2019- till date	300
2019-20	Internal Inspections are regularly conducted to improve academic activities like course files, course registers, result analysis, budget management etc.	2019-20	2019- till date	300

2019-20	Swayam Prabha Moocs offering countless courses for learners to excel in new skills is shared to all faculty and students.	2019-20	2019- till date	200
2019-20	CCNA certification for faculty and students	2019-20	2019- till date	150
2019-20	Active Student participation in NSS activities like Blood Donation, Eye check up , Green Campus (Haritha-Haram)	2019-20	2019- till date	200

CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period **(from-to)**	Participants	
		Female	Male
Gender Sensitization Program for Circuit branches	19-08-2019 to 21-08-2019	176	221
Gender Sensitization Program for Non-Circuit branches	22-08-2019 to 24-08-2019	193	263
Women Challenges in Education and Career Prospects – Guest Talk given by Ms Payal	10-10-2019	115	-

7.1.2 Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:
Percentage of power requirement of the College met by the renewable energy sources
45%

7.1.3 Differently abled (Divyangjan) friendliness

Items Facilities	Yes/No	No. of Beneficiaries
Physical facilities	Yes	22
Provision for lift	Yes	22
Ramp/ Rails	Yes	22
Braille Software/facilities	No	
Rest Rooms	Yes	22
Scribes for examination	Yes	22
Special skill development for differently abled students	Yes	22
Any other similar facility	Yes	22

7.1.4 Inclusion and Situatedness

Enlist most important initiatives taken to address locational advantages and disadvantages during the year

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date and duration of the initiative	Name of the initiative	Issues addressed	Number of participating students and staff
2019-20	2	2	21-08-2019 – One Day 05-09-2019 – One Day	Education for Everyone	1. Awareness on Practical sessions on Physics 2. Applications of Electric circuitry and its function 3. Short course on App development project	26
2019-20	1	1	14-09-2019 One Day	Environment Conscious Program	1. Reduction of Plastic waste from Rajiv Gandhinagar	23

					2. Wate harvesting campaign	
2019-20	3	3	19-10-2019 One Day and 29-10-2019 to 30-10-2019 Two Days 10-12-2019 to 18-12-2019 Nine days	Health Awareness	1. Maintaining BMI for every personal 2. Disadvantages of bad food habits 3. Renovated the school premises in Bachupally	117
2019-20	1	1	28-12-2019	Serving to the Poor	1. Blanket distribution drive held in localities of KPHB 2. Clothes distribution to the poor done in college nearby slum areas	31

7.1.5 Human Values and Professional Ethics

Code of conduct (handbooks) for various stakeholders

Title	Date of Publication	Follow up (maximum 100 words each)
"Values and Ethics for Origanizations Theory and Practice" by Chakraborty S.K.	Oxford University Press, New Delhi, 2001	Values and Self Development; Personality and Behaviour Development ; Character and Competence-Science Vs God ; Professional consciousness Ethics ; Legislative procedures are discussed in the book/subject.

7.1.6 Activities conducted for promotion of universal Values and Ethics

Activity	Duration (from-------to-------)	Number of participants
Engineers Day Celebrations	One day (17-08-2019)	67
International Peace Day	One day (21-09-2019)	46
Teachers Day - To show Gratitude towards their beloved Teachers followed by Traditional day	One-day (05-09-2019)	98
National Sports Day celebrations – Khelotsav	Two days (06-01-2020 to 07-01-2020)	70

7.1.7 Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. **Water Harvesting**
2. **Plastic Free Zone**
3. **Haritharam, use of jute materials during conferences, Rheudo Environment Fest**

| 4. | Recycling of paper waste and e-waste |
| 5. | Swatchta Events |

7.2 Best Practices

Describe at least two institutional best practices
Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

Best Practice: 1

1. **Title of the practice:** Acquire, Analyse and Action at GRIET (AAAG)

2. **Objectives of the practice:**

   • Acquire the industry requirements to bridge the gap between industry and academics.

   • Analyse the skills of the students to innovate new ideas to current societal problems

   • Action the students to enhance their technical skills and endeavour their career as Entrepreneur.

3. **The context:**

   A fusion of Practice-centric learning environment leads to acquire overall development in the society.

4. **The Practice:**

   • **Curriculum Design** is revised periodically meeting the industry requirements. Importance to cocurricular and extracurricular activities by introducing **credit based courses** in the curriculum. Cooperative learning and addresses different learning levels and styles is achieved by **MSC (Must Know, Should Know, Could Know)** Pedagogy.

   • **Road shows** gives an opportunity to the students to explore their skills and innovative ideas to current societal problems. Students are supported to develop **community-based projects** in coordination with Industry personals linked to various organizations like TCS, CAPGEMINI and so on. Students are encouraged to participate in national level competition to exhibit their innovative ideas.

   • Students are encouraged to engage in **Certification Courses** to improve their technical skills.

5. **Evidence of Success:**

   • The interactive learning enhanced the team spirit, learning capabilities and soft skills and making them socially responsible. On-campus placements has enhanced and have continuous improvement in the average and highest pay package offered.

   • Received First prize in Chhatra Viswakarma Award, Second Prize in MAE BAJA Design of ATV (All-Terrain Vehicle) competition epitomize our Students enthusiasm in designing and innovating. Apart from the above our students had also won prizes for Best Student Project Awards given by ISTE and TCS and in Hackathon conducted by various organizations.

   • Certification courses like Oxford Achiever Program, Spoken Tutorials, CISCO, Python Programming etc were encouraged to expertise in upcoming technologies.

6. **Problems Encountered and Resources Required**

- Maintaining equilibrium between Research and Academia.

- An endless training on forthcoming Technologies

- Inspiring the students to be an Entrepreneurs is a challenging task

Best practices: 2

1. **Title of the practice:** "Social Relevance and Self Reliance"

2. **Objectives of the practice:**
   - To promote the role of GRIET, in empowerment of communities through the activities like **Street-cause, NSS, Pragnya 90.4 FM, G-Tink**
   - Inbuilt the culture of Self-reliance to create confidence in solving the problems on their own.
   - Aim to become a Unique Green Campus in prominent areas of GRIET

3. **The context:**
   - Social-Relevance activities can improve the students' concentration towards their profession, discipline, social consciousness that will relates itself with the individuals, families and communities.
   - It is an effort to enhance self-reliance and overall well-being

4. **The practice:**
   - **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 feeling of giving back to society through its schemes like Blood Donation interaction with under privileged section of society.
   - **PRAGNYA** 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 broadcasts 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 the youth in the community giving them practical exposure and hands on experience in the community radio station.
   - **G-Tink** 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, etc.

- **GCAP(GRIET Campus Administrative Portal)** is 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 events.

5. **Evidence of success:**

- Institution received rolling shield from TS Governor for highest number of blood donors in Educational Institutional category. This is the tenth time GRIET has received this award.

- 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 College Administrative Portal (GCAP), college webpage and e-magazine created and maintained by staff and Students. The various academic and other activities are automated through GRIET Campus Administration Portal (GCAP). Attendance is updated on a daily basis and the parents' are informed about the absentee on the day of their absence through GCAP and SMS. Examination processes controlled by GRADES of the GCAP platform.

6. **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 not for profit entity by the management to engage local community in development process.

7.3 Institutional Distinctiveness

Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust
Provide the weblink of the institution in not more than 500 words

Gokaraju Rangaraju Institute of Engineering & Technology's (GRIET) precedence lies in its Vision and Mission.

As a stalwart of philanthropy, GRIET is dedicated to incorporating cohesive pattern of teaching to inculcate extensively, innovation, passion for research among students to contribute to the evolution of the nation**.**

GRIET vision dedicated to:

Enhance skills, knowledge and innovation in academic curriculum

Impart ingenious skills to become an epicentre of creative solutions

Achieve and impart quality education with an emphasis on practical skills.

Inculcate social relevance and to entrust the nation proficient technocrats.

GRIET's Mission:

To achieve and impart quality education with an emphasis on practical skills and social relevance GRIET executes relevant measures and strategies. The institute's priority lies in its constant assurance of the quality. It's dedication to provide an integrated learning environment empowers the students to evolve with full potential and prepares them to meet the high expectations of the Industry and the Society.

Enhancing Academic Curriculum and Practical Skills:

To translate its vision into action and accomplish the mission, GRIETs' panorama includes state-of-art infrastructure, well equipped labs, vivacious multi-speciality faculty and library with extensive range of books. Continuous review, innovate, experiment pedagogies, methodologies and learning resources of various courses through Blended learning and Flipped classrooms.

Projects developed by students of different programs are been showcased in "Road Show" which are inspected by various category people including the school students. The queries asked will enhance the student's confidence and can motivate them to concentrate in developing more distinct projects.

Epicentre of Creative Solutions:

Focusing on research, training, seminars and consultancy through an integrated institute-industry symbiosis is organized through Entrepreneur Development (ED) Cell of GRIET. GRIET is consistently successful in exploring and attracting many industries and foreign academic institution for alliances such as DST, AICTE, UGC, Analogics and BRNS.

An Inhouse ERP "G-CAP – GRIET Campus Administrative Portal":

In this automation of distinct processes related to the students from the time of admission to his/her successful completion of the B. Tech or M. Tech Program. Integration of Mentoring the students starting from admissions to issue of final certificate for students and submitting the profile of each faculty in brief has been developed in this software suite G-CAP.

Proficient Technocrats inculcating Social Relevance:

Extra and Co-Curricular activities organized by different Professional bodies and Student Chapters benefit the students to integrate with the community, gain the knowledge on problem defining statements of the industries facing and ability to take the short-term goals which can solve the problems related to the society along with industry. Events conducted under Spices, Rhythms, GRIET - NSS and Street Cause will encourage the students to work with diverse background. Campus Recruitment Training (CRT) is organized in every trimester of course work through Placements Cell which helps the students to ace in interviews.

8. **Future Plans of action for next academic year (500 words)**

Name _____   *Name* _____

_____   _____

Signature of the Coordinator, IQAC   *Signature of the Chairperson, IQAC*

_____***_____

Abbreviations:

CAS	-	Career Advancement Scheme
CAT	-	Common Admission Test
CBCS	-	Choice Based Credit System
CE	-	Centre for Excellence
COP	-	Career Oriented Programme
CPE	-	College with Potential for Excellence
DPE	-	Department with Potential for Excellence
GATE	-	Graduate Aptitude Test
NET	-	National Eligibility Test
PEI	-	Physical Education Institution
SAP	-	Special Assistance Programme
SF	-	Self Financing
SLET	-	State Level Eligibility Test
TEI	-	Teacher Education Institution
UPE	-	University with Potential Excellence

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For Communication with NAAC

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