



Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution		GODAVARI INSTITUTE OF ENGINEERING AND TECHNOLOGY
Name of the head of the Institution		Dr P.M.M.S. Sarma
Designation		Principal
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		0883-2484828
Mobile no.		9676015566
Registered Email		principal@giet.ac.in
Alternate Email		iqac@giet.ac.in
Address		Godavari Institute of Engineering & Technology An Autonomous Institute Chaitanya Knowledge City, NH-16 Rajahmundry 533 296, AP, India
City/Town		Rajamahendravaram
State/UT		Andhra Pradesh

Pincode	533296																								
2. Institutional Status																									
Autonomous Status (Provide date of Conformant of Autonomous Status)	12-Jun-2014																								
Type of Institution	Co-education																								
Location	Rural																								
Financial Status	Self financed																								
Name of the IQAC co-ordinator/Director	Dr. T. Jayananda Kumar																								
Phone no/Alternate Phone no.	919440128113																								
Mobile no.	9440128113																								
Registered Email	deanaa@giet.ac.in																								
Alternate Email	iqac@giet.ac.in																								
3. Website Address																									
Web-link of the AQAR: (Previous Academic Year)	http://www.giet.ac.in/AQAR2018-19.pdf																								
4. Whether Academic Calendar prepared during the year	Yes																								
if yes,whether it is uploaded in the institutional website: Weblink :	https://giet.ac.in/academic_calendar.html																								
5. Accrediation Details																									
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>A</td> <td>3.31</td> <td>2013</td> <td>23-Mar-2013</td> <td>22-Mar-2018</td> </tr> <tr> <td>2</td> <td>A+</td> <td>3.37</td> <td>2018</td> <td>26-Sep-2018</td> <td>23-Sep-2023</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	1	A	3.31	2013	23-Mar-2013	22-Mar-2018	2	A+	3.37	2018	26-Sep-2018	23-Sep-2023
Cycle	Grade	CGPA	Year of Accrediation	Validity																					
				Period From	Period To																				
1	A	3.31	2013	23-Mar-2013	22-Mar-2018																				
2	A+	3.37	2018	26-Sep-2018	23-Sep-2023																				
6. Date of Establishment of IQAC	10-Jul-2012																								
7. Internal Quality Assurance System																									

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
One day Workshop on NEP	19-Oct-2019 1	567
Academic Audit - Internal	26-Dec-2019 9	3803
Participation in NIRF	04-Jul-2019 1	3803
Feedback from stakeholders	26-Dec-2019 1	3803

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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
Godavari Institute of Engineering & Technology	UGC scheme of Paramarsh	UGC	2019 365	2798000

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9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

[View Link](#)

10. Number of IQAC meetings held during the year :

2

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website

Yes

Upload the minutes of meeting and action taken report

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11. Whether IQAC received funding from any of the funding agency to support its activities during the year?

No

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

1) Academic audits with external experts.

2) Participation in NIRF and Institute got placed in 150200 bands in the overall category.

3) Assessment of academic departments.

4) Design and implementation of forms and formats for regular academic activities.

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13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

Plan of Action	Achivements/Outcomes
More focused attempts in filing patents for the innovative works.	Five patents got published.
Participation in NIRF	Institute got placed in 150-200 band in overall category.
Performance assessment of academic departments	Healthy competition developed among the departments and Ranked best department
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14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
Governing Body	02-Feb-2020

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?

No

16. Whether institutional data submitted to AISHE:

Yes

Year of Submission

2019

Date of Submission

02-Feb-2019

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)

YES, Institute currently has two MIS operational software. The Institute has

had a systematic mechanism in place for more than ten years using a number of standards forms and formats. At any point in time, any student's performance can be accessed by any individual having the right to use the tool. The faculty is well trained to post attendance and marks secured by students in various examinations. All the stakeholders are getting benefited by different modules of the software viz., academic performance, students input quality, students progression, achievements, details related to training and placements, extra and cocurricular activities, research publications, proposals submitted, approved, sanctioned to various funding agencies, institutional rankings, events organized for faculty and students, events related to professional students' body chapters, financerelated issues. The above details are collated from all the departments in the office of the vice principal and further the same has been escalated to the higherups for further review and suggestions for continuous improvement.

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	Programme Specialization	Date of Revision
BTech	1	Civil Engineering	08/03/2019
Mtech	11	STRUCTURAL ENGINEERING	08/03/2019
BTech	2	ELECTRICAL AND ELECTRONICS ENGINEERING	08/03/2019
BTech	2	ELECTRICAL AND ELECTRONICS ENGINEERING	02/11/2019
Mtech	64	POWER SYSTEMS(HIGH VOLTAGE ENGINEERING)	08/03/2019
BTech	4	Electronics &Communication Engineering	02/11/2019
Mtech	68	VLSI ES	09/01/2020

BTech	24	Automobile Engineering	02/11/2019
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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BTech	Civil Engineering	01/06/2020	Mathematics-III (Applications of PDE, Complex Variables Transform Techniques) - 19198202	01/06/2020
BTech	Civil Engineering	01/06/2020	Constitution of India - 19198202	01/06/2020
BTech	Civil Engineering	01/06/2020	Mathematics-IV (Numerical Methods, Probability & Statistics) - 19198202	01/06/2020
BTech	Civil Engineering	01/06/2020	"Community Service Oriented Project - 19198202"	01/06/2020
BTech	Civil Engineering	01/06/2020	Intellectual Property Rights & Patents - 19198202	01/06/2020
BTech	Civil Engineering	01/06/2020	"Software applications in Civil Engineering - 19198202"	01/06/2020
BTech	Civil Engineering	01/06/2020	"Design Thinking and Product innovation Product Innovation - 19198202"	01/06/2020
BTech	ELECTRICAL AND ELECTRONICS ENGINEERING	02/11/2019	MATHEMATICS-I /19199101	02/11/2019
BTech	ELECTRICAL AND ELECTRONICS ENGINEERING	02/11/2019	COMMUNICATIVE ENGLISH-I/19199102	02/11/2019

BTech	Mechanical Engineering	11/03/2019
BTech	Mechanical Engineering	11/03/2019
BTech	Mechanical Engineering	11/03/2019
BTech	Mechanical Engineering	11/03/2019
BTech	Mechanical Engineering	11/03/2019
BTech	Mechanical Engineering	11/03/2019
BTech	Mechanical Engineering	11/03/2019
BTech	Mechanical Engineering	11/03/2019
BTech	Mechanical Engineering	11/03/2019
BTech	Mechanical Engineering	11/03/2019

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
PROFESSIONAL ETHIS HUMAN VALUES	02/11/2019	40
ENVIRONMENTAL STUDIES	02/11/2019	40
IPR PATENTS	02/11/2019	46
PROFESSIONAL ETHIS HUMAN VALUES	02/11/2019	36
ENVIRONMENTAL STUDIES	02/11/2019	36
IPR PATENTS	02/11/2019	83
Applied Robotic Control Lab	01/12/2019	38
AVEVA(PDMS)	02/11/2019	46
NPTEL	02/11/2019	6
BHARATH FORMULA KARTING	02/11/2019	9
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	MINING ENGINEERING	139
BTech	Civil Engineering	58
BTech	Electrical and Electronics Engineering	64
BTech	Electrical and Electronics Engineering	83
BTech	Mechanical Engineering	116
BTech	Mechanical Engineering	65
BTech	Mechanical Engineering	78
BTech	Mechanical Engineering	87
BTech	Electronics & Communication Engineering	356
BTech	Automobile Engineering	29

1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained

The institute has developed a mechanism to collect feedback on curriculum aspects from students, teachers, employers, alumni, and parents. Academic departments in the institute take feedback through course end survey, program exit survey, employer survey, and Department academic advisory committees. Institute has developed to collect feedback online. After collecting the feedback from the stakeholders, the contents of feedback are analyzed and the important suggestions will be forwarded to the Board of Studies and then to Institute academic council to make possible changes in the course content and structure for the design of the next curriculum which will be ratified in the academic council. Learning and Development Department with specially designed guidelines works on the feedback collected on career guidance facilities being offered viz., training on soft skills and other placement related activities. Graduate Exit Survey is also conducted to measure the satisfaction level of students and to identify the necessary steps for improvement. Feedback is also collected on institutional resources and services such as classroom, laboratory, and computer center facilities and also on other supporting facilities and services like library, sports and games, and hostels. A consolidated result will be forwarded to the appropriate departments, academic council, and governing body for necessary improvements

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
MCA	Computer Applications	60	60	60
MCA	Computer Applications	60	60	60
MCA	Computer Applications	60	3	3
BTech	CSE, ECE, EEE, Mech, CE, AME, MM	858	490	490
BTech	MINING ENGINEERING	60	58	58
Mtech	Mechanical Engineering-TE	18	2	2

Mtech	Mechanical Engineering- CAD/CAM	18	3	3
BTech	Mechanical Engineering	180	135	135
BTech	Electrical and Electronics Engineering	120	89	89
BTech	Civil Engg	60	60	60
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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 fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	2732	471	228	33	261

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
261	261	101	66	18	11
View File of ICT Tools and resources					
View File of E-resources and techniques used					

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

Yes, Institution has a well-defined mechanism to mentor the students from the first year onwards. 15 to 20 students are assigned to a faculty member at the commencement of the program. Mentors meet their students and guide them with their studies and extracurricular activities. They also provide advice relating to career guidance and personal problems. Further, All the mentors contact the parents of their respective mentees, if there is any serious attention required from their side to support them personally. The effectiveness of this mechanism is reviewed monthly in the HoDs meeting headed by the Principal.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
3203	261	1:12

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
261	261	0	74	21

2.4.2 – Honours and recognition 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
2020	Dr. K. Harisivasri Phanindra	Assistant Professor	NIT, TRICHY
2019	Dr Sujatha B	Professor	IT Association of AP
2019	Dr N Leelavathi	Vice Principal	IT Association of AP
Nil	Mr Bala Chandar	Director	IT Association of AP
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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
BTech	1	4	26/11/2019	28/12/2019
BTech	1	5	11/11/2019	23/12/2019
BTech	1	7	24/02/2020	12/03/2020
BTech	1	7	12/11/2019	21/12/2019
BTTM	1	6	23/11/2019	28/12/2019
BTech	1	5	13/11/2019	28/12/2019
BTech	1	4	25/11/2019	28/12/2019
BTech	1	3	20/11/2019	28/12/2019
BTech	1	3	18/11/2019	28/12/2019
BTech	1	2	30/11/2019	06/01/2020
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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
0	0	0

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)

<https://giet.ac.in/eee-course.html>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the	Number of students passed in final year	Pass Percentage
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			final year examination	examination	
1	BTech	All Branches	760	531	69.9
4	MBA	MBA	60	36	60.32
3	MCA	MCA	60	44	73.17
2	Mtech	Engineering	41	10	25
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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)

<https://docs.google.com/forms/d/1ZKaFf-ijAPWWcuT4vCn-7lLFVwAzLlJgkBAV6kf6m0/edit>

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
Name of the teacher getting seed money
Mr V Subramanyam
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3.1.2 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
International	S VAMSI KRISHNA	Sessionchair, CONSILIO 2019	07/06/2019	MNNIT Allahabad
International	S VAMSI KRISHNA	Best consultancy project of year	07/06/2019	IARE Awards G ISR, sector63, NO IDA
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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
Industry sponsored Projects	480	Shelton Hospitality Pvt Ltd, Rajahymundry.	0.53	0.53
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3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

1

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
"Career Opportunities in QUANTITY SURVEYING in Civil Engineering"	Civil Engineering	12/07/2019
USE OF SMART LOADS FOR POWER QUALITY IMPROVEMENT	ELECTRICAL AND ELECTRONICS ENGINEERING	16/11/2019
IOT AND ITS APPLICATIONS IN ELECTRICAL POWER INDUSTRY	ELECTRICAL AND ELECTRONICS ENGINEERING	22/08/2019
IOT based real time control for industrial applications using ARDUNIO and soft computing techniques	ELECTRICAL AND ELECTRONICS ENGINEERING	21/09/2019
A TWO WEEK WORKSHOP ON APPLIED INDUSTRIAL ROBOTICS 27TH JAN -8TH FEB 2020	Mechanical Engineering	27/01/2020
ADVANCES IN SHIP BUILDING MANUFACTURING	Mechanical Engineering	28/09/2019
GUEST LECTURE ON BOARD OF CERTIFIED SAFETY PROFESSIONALS HEALTH SAFETY ENVIRONMENT CERTIFICATIONS AND CAREER OPPORTUNITIES	Mechanical Engineering	12/12/2019
Career opportunities and Guidance by Skill-Lync for IV year and III year Mechanical and Automobile students	Mechanical Engineering	19/02/2020
Guest Lecture by Mr. K.Koteswara Reddy in Aptitude	LD	22/11/2019
FDP on Outcome Based Education	LD	17/08/2019
Seminar on Career Opportunities Abroad by Conduira	LD	03/12/2019
Overseas Education Seminar by CIAV	LD	21/12/2019
Career in Management Sector-Hindu Group	LD	22/12/2019

Seminar on Overseas Education -Abacus	LD	24/12/2019
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3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Pneumatic motorcar- An environmentally benign product	O. Naveen Sai	Dr.B.R.Ambedkar University, Srikakulam in association with NRDC, New Delhi Sponsored by LAURUS labs	15/08/2020	Award for Innovation
High Performance High Speed Concrete Technology	Dr.D venkateswarulu	Guinness Book	02/09/2019	Award for Innovation
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3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start-up	Date of Commencement
NPBL Centre	Nanomaterials for Photovoltaics and Biomaterials Laboratory	GIET(A)	Seeded Fund	R D Activities	31/07/2019
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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Mechanical Engineering	1
Electronics Communication Engineering	1
Department of Humanities and Basic Sciences	2

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

Type	Department	Number of Publication	Average Impact Factor (if any)
National	Civil Engineering	3	4
International	Civil Engineering	43	4.6
National	ELECTRICAL AND ELECTRONICS ENGINEERING	36	4.4
National	Electronics Communication Engineering	2	4.2

International	Electronics Communication Engineering	43	4.3
National	Mining Engineering	17	7.34
International	HBS	9	4
International	MCA	120	4.6
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3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
ELECTRICAL AND ELECTRONICS ENGINEERING	36
Mechanical Engineering	6
Electronics Communication Engineering	48
HBS	9
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3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
TSWL-Control: TIRE STATUS WITH LOADING CONTROL	Published	201941000596A	18/01/2019
WSSL-POLE:WOMEN SECURITY INCREASE USING STREET LIGHT POLE	Filed	201941000588A	18/01/2019
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3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Comparative Study of G7 Building with and without X Bracing System by Using STAAD.Pro	D Bhargav Sandeep B Subrahmanyam R Tejesh N Ravi Sai Prasanth A Rajendra	International Journal for Modern Trends in Science and Technology	2020	4.8	GIET(A)	22
Investigation of Strength Characteristics of	K Unnatis P Y R V S Ammiraju M Rohith S V Rama	International Journal for Modern Trends in	2020	4.4	GIET(A)	26

Concrete with Partial Replacement of Cement by Silica Fume and Sand by Quarry Dust	Raju K Abishek A Rajendra	Science and Technology				
Experimental Study on Partial Replacement of Cement with Fly Ash and Coarse Aggregate with Sea Shells	V Rajeswari T Venkanna Babu Viswasa Prudhvi Raju A Sai Venkat Gangadhar A Sai Kumar	International Journal for Modern Trends in Science and Technology	2020	4.6	GIET(A)	18
A Study on Strength of Concrete by Partial Replacement of Cement with Metakaolin and Fine Aggregate with Foundry Sand	Ch Santhi Kumari S Santosh Kumar G Kiran Divya Anusha Naidu	International Journal for Modern Trends in Science and Technology	2020	4.4	GIET(A)	24
Comparative Study of Design of a Multi Storey Residential Building by Manual and STAAD.Pro Software Analysis Case of G3	Adje Kpie Janvier De Thales Hien Sie Gregoire Vaka Venkata Sai Ezekel V Swu K Gopi Sankar	International Journal for Modern Trends in Science and Technology	2020	4.6	GIET(A)	32
An Experimental Study on Performance of Stone	D Kavya M Sri Sai Sujan L Jithendra Reddy Awe	International Journal for Modern Trends in	2020	4.6	GIET(A)	28

Column in Layered Soils through Unit Cell Concept	Thramjei Rayi Chandra Sekhar	Science and Technology				
Feasibility Study on Fly Ash-Lime-Soil Bricks (FALSB)	B Manoj Kumar K Durga Pavan P Govind Raju K Siva Veera Durga Prasad Rayi Chandra Sekhar	International Journal for Modern Trends in Science and Technology	2020	4.6	GIET(A)	21
Seismic Analysis of Multi Storey RCC Building with Shear Wall at Different Locations using STAAD.Pro	K Suresh N Naga Sankar Varun P Eswar Mani Kumar B Vineeth J Lakshmi Sudha	International Journal for Modern Trends in Science and Technology	2020	4.6	GIET(A)	26
Experimental Study on Strength of Concrete by Replacement of Fine Aggregate with Robo Sand	T Venkata Narasimha Reddy P Lakshmi Narayana S ubrahmanya m G Suresh G Manoj J Lakshmi Sudha	International Journal for Modern Trends in Science and Technology	2020	4.6	GIET(A)	27
PERFORMANCE OF COPPER SLAG AS REPLACEMENT OF FINE AGGREGATE WITH DIFFERENT GRADES	Chadalavada Teja Divya Anusha Naidu Dr. D Venkates warlu	Journal of Critical Reviews	2020	4.6	GIET(A)	24
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3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations	Institutional affiliation as
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					excluding self citation	mentioned in the publication
Comparative Study of G7 Building with and without X Bracing System by Using STAAD.Pro	D Bhargav Sandeep B Subrahmanyam R Tejesh N Ravi Sai Prasanth A Rajendra	International Journal for Modern Trends in Science and Technology	2020	13	12	giet.ac.in
Investigation of Strength Characteristics of Concrete with Partial Replacement of Cement by Silica Fume and Sand by Quarry Dust	K Unnati P Y R V S S Ammiraju M Rohith S V Rama Raju K Abishek A Rajendra	International Journal for Modern Trends in Science and Technology	2020	13	14	giet.ac.in
Experimental Study on Partial Replacement of Cement with Fly Ash and Coarse Aggregate with Sea Shells	V Rajeswari T Venkanna Babu Viswasa Prudhvi Raju A Sai Venkat Gangadhar A Sai Kumar	International Journal for Modern Trends in Science and Technology	2020	13	20	giet.ac.in
Comparative Study of G8 Building with without Shear Wall in Various Zones by using STAAD.Pro	Ch Sri Lakshmi Sowmya G Shyam Kumar E Benny Praveen B Sai Kumar A Rajendra	International Journal for Modern Trends in Science and Technology	2020	13	18	giet.ac.in
An Experimental Study on Performance of Stone Column in	D Kavya M Sri Sai Sujan L Jithendra Reddy Awe Thramjei	International Journal for Modern Trends in Science	2020	13	21	giet.ac.in

Layered Soils through Unit Cell Concept	Rayi Chandra Sekhar	and Technology				
Wind Analysis and Design of Highrise Residential Building by Using STAAD.Pro	B Dhana Babu K Sasidhar Y Sreenu Md Ebraheem Fayaz Dr. D Venkates warlu	International Journal for Modern Trends in Science and Technology	2020	13	16	giet.ac.in
DESIGN AND ANALYSIS OF UNDER TUNNEL IN IRRIGATION CANAL SYSTEM	Nunna Sudhakar Divya Anusha Naidu Dr. D Venkates warlu	Journal of Critical Reviews	2019	13	17	giet.ac.in
COMPARISON OF DIFFERENT BEAMS IN A SLAB SYSTEM TO ECONOMIZE ROOF SLAB SYSTEM	Tadi Venkata Sa tyanarayan a Divya Anusha Naidu Dr. D Venkates warlu	Journal of Critical Reviews	2020	13	14	giet.ac.in
EXPERIMENTAL STUDY ON STRENGTH CHARACTERISTICS OF CONCRETE WITH WATER PAPER SLUDGE ASH AS PARTIAL REPLACEMENT OF CEMENT	Badri Koteeswara Rao Dr. D Venkateswarlu	Journal of Critical Reviews	2020	13	22	giet.ac.in
Fuzzy Logic Based Grid Synchronization with Renewable Energy Sources and Energy Storage	Dr. D Ravi Kishore	International Journal for Modern Trends in Science and Technology	2020	13	20	giet.ac.in

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	19	57	11	9
Presented papers	85	39	12	25
Resource persons	9	18	6	8

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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultant(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
VARAANGA ENGINEERS	Safety Audit and On-site Emergency Action plan from one of our clients	VARAANGA ENGINEERS PVT. LTD.	40000
Coromandel International Ltd, Vizag	Safety Audit for one of our clients	GG CONSULTENCY	27000
Biocon Limited, Visakhapatnam	Hazardous Area Classification for one of our clients	GG CONSULTENCY	27000
Arthos Breweries Ltd, Ramachandrapuram	safety audit and onsite emergency plan for one of our client	GG CONSULTENCY	27000
Uniparts India Limited, Atchutapuram, Visakhapatnam	assignment of QRA for one of our clients	GG CONSULTENCY	30000
S.P.Y. Agro Industries Limited, Nandyala)	safety audit and onsite emergency plan for one of our clients	VARAANGA ENGINEERS PVT. LTD.	25000
Aktinos Pharms group of companies, Visakhapatnam	HARA and Onsite Emergency Plan for one of our clients	GG CONSULTENCY	27000
Nandhi Gases, Nandyala	safety audit for one of our clients	VARAANGA ENGINEERS PVT. LTD.	15000
Maithili Life Sciences Pvt Ltd, Tirupati	safety audit for one of our clients	VARAANGA ENGINEERS PVT. LTD.	20000

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

Name of the	Title of the	Agency seeking /	Revenue generated	Number of trainees
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Consultant(s) department	programme	training	(amount in rupees)	
IQAC	Scientific advise	Bullogix S/W Pvt. Ltd.	15000	2
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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 participated in such activities	Number of students participated in such activities
National Constitution Day	NSS Unit, GIET	256	3002
Slef Management	NSS Unit, GIET	6	240
Road Safety	NSS Unit, GIET	10	220
Swacch Bharath	NSS Unit, GIET	6	115
Science Day	NSS Unit, GIET	7	220
Blood Donation	NSS Unit, GIET	48	6
COVID-19 Awareness Rally	NSS Unit, GIET	12	2014
Ambedkar Jayanthi	NSS Unit, GIET	9	561
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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	Awarding Bodies	Number of students Benefited
Road Safety	RTA	RTA	220
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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	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
UBA	GIET	Local Agri Food Produce Pre.	4	32
EBSB	GIET	Pairin Cultural Exchange State	3	25
National Constitution Day	GIET	Pledge	256	3002
Swacch Bharath	GIET	Clean d Greenan	6	115
Blood Donation	KIMS Amalapuram	Blood Donation	48	6

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3.7 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
EVALUATION STUDIES ON STABILIZED PAVEMENT SUBGRADES	"Dr. GVR Prasada Raju, Professor of Civil Engineering & Rector JNTUK Kakinada - 533 003 Dr.D.Venkateswarlu Professor of Civil Engineering GIET(A) Rajahmundry 533296 "	UNIVERSITY COLLEGE OF ENGINEERING, JNTUK KAKINADA, ANDHRA PRADESH, INDIA 9618533555 : gvrpraju@gmail.com	1095
University Innovation Fellowship, Stanford University	Chitvan Kaur	GIET(A) and Self-finance	365

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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	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
MoU	Tripartite Agreement between APSSDC , APS and GIET	Europeon center of Mechatronics	03/01/2019	03/02/2019	Students and Faculty
MoU	Academic Support	Shelton Hospitality Pvt. Ltd.	20/02/2019	28/02/2019	Students, Staff and Faculty

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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	Purpose/Activities	Number of students/teachers participated under MoUs
Europeon center of Mechatronics	03/01/2019	Training on ARC 1.0, 2.0, and 3.0	60
Synergem	12/12/2019	Industrial training and skill development	79
National Highways Authority of India (NHAI)	11/12/2019	(i) Improvements in safety provision by removing	44

existing deficiencies (ii)
Improvements in continual maintenance of the stretch using new technologies

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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

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
90	85.6

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Others	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Existing
Video Centre	Existing
Seminar halls with ICT facilities	Newly Added
Classrooms with LCD facilities	Existing
Seminar Halls	Newly Added
Laboratories	Newly Added
Class rooms	Newly Added
Campus Area	Existing

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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
ECAP	Fully	2.2	2019

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	64833	14263260	6310	1451300	71143	15714560

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4.2.3 – 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
Dr. DUMPA	Strength of	PPT	25/08/2020

VENKATESWARLU	Materials		
Mr.K. GOPI SANKAR	Deisign of Reinforced Concrete Structure	PPT	25/08/2020
Ms. JAMI LAKSHMI.SUDHA	Fluid Mechanics	PPT	25/08/2020
Ms. NAIDU DIVYA ANUSHA	Construction Materials Management	PPT	25/08/2020
Mr. RAYI CHANDRA SHEKHAR	Prestessed Concrete	PPT	25/08/2020
Mr. ALLA RAJENDRA	Engg Geology	PPT	25/08/2020
Mr. ALAMANDA SAI KUMAR	Surveying	PPT	25/08/2020
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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	820	9	100	2	4	16	10	100	0
Added	200	0	0	0	0	1	2	0	0
Total	1020	9	100	2	4	17	12	100	0

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

100 MBPS/ GBPS

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
Strength of Materials	https://giet.ac.in/civil-course.html
Deisign of Reinforced Concrete Structure	https://giet.ac.in/civil-course.html
Fluid Mechanics	https://giet.ac.in/civil-course.html
Construction Materials Management	https://giet.ac.in/civil-course.html
Prestessed Concrete	https://giet.ac.in/civil-course.html
Engg Geology	https://giet.ac.in/civil-course.html
Surveying	https://giet.ac.in/civil-course.html
Ground Improvement Techniques	https://giet.ac.in/civil-course.html
Water Resource Engg-II	https://giet.ac.in/civil-course.html
Structurtal Analysis-II	https://giet.ac.in/civil-course.html
ConcreteTechnology	https://giet.ac.in/civil-course.html
Transportation Engg-I	https://giet.ac.in/civil-course.html

Remote SensingGIS	https://giet.ac.in/civil-course.html
Dr.D.RAVI KISHORE	https://drive.google.com/drive/u/0/folders/1HfjKF2zAb34um5m3hLjTXZ5zNKh6RnGr
Mr.T.AMAR KIRAN	https://drive.google.com/drive/u/0/folders/1HfjKF2zAb34um5m3hLjTXZ5zNKh6RnGr
Ms.P.SUGUNA RATNAMALA	https://drive.google.com/drive/u/0/folders/1HfjKF2zAb34um5m3hLjTXZ5zNKh6RnGr
Mr.N.VIJAYA KUMAR	https://drive.google.com/drive/u/0/folders/1HfjKF2zAb34um5m3hLjTXZ5zNKh6RnGr
Mr.M.JOHN SREENIVASA RAO	https://drive.google.com/drive/u/0/folders/1HfjKF2zAb34um5m3hLjTXZ5zNKh6RnGr
Mr.M.V.RAGHAVENDRA REDDY	https://drive.google.com/drive/u/0/folders/1HfjKF2zAb34um5m3hLjTXZ5zNKh6RnGr
Mr.M.RAMJEE SAKPAL	https://drive.google.com/drive/u/0/folders/1HfjKF2zAb34um5m3hLjTXZ5zNKh6RnGr
SAYYED HAZARA MEHABUNNISA	https://drive.google.com/drive/u/0/folders/1HfjKF2zAb34um5m3hLjTXZ5zNKh6RnGr
BEHARA V R S BHANU SESHU	https://drive.google.com/drive/u/0/folders/1HfjKF2zAb34um5m3hLjTXZ5zNKh6RnGr
Ms.T.J.PRASNNAMBA	https://drive.google.com/drive/u/0/folders/1HfjKF2zAb34um5m3hLjTXZ5zNKh6RnGr
PINNAMARAJU VIJAYA VAISHNAVI	https://drive.google.com/drive/u/0/folders/1HfjKF2zAb34um5m3hLjTXZ5zNKh6RnGr
Mrs. K.SARITHA	https://drive.google.com/drive/u/0/folders/1HfjKF2zAb34um5m3hLjTXZ5zNKh6RnGr
Mr.K. NARENDRA BABU	https://drive.google.com/drive/u/0/folders/1HfjKF2zAb34um5m3hLjTXZ5zNKh6RnGr
KUCHIPUDI ABHINAV	https://drive.google.com/drive/u/0/folders/1HfjKF2zAb34um5m3hLjTXZ5zNKh6RnGr
MANTHENA DURGA SAI CHAND	https://drive.google.com/drive/u/0/folders/1HfjKF2zAb34um5m3hLjTXZ5zNKh6RnGr
CHALLA SAI KUMAR	https://drive.google.com/drive/u/0/folders/1HfjKF2zAb34um5m3hLjTXZ5zNKh6RnGr
PYDIMALLA MERCY PRIYA	

	https://drive.google.com/drive/u/0/folders/1HfjKF2zAb34um5m3hLjTXZ5zNKh6RnGr
DASARI VANI	https://drive.google.com/drive/u/0/folders/1HfjKF2zAb34um5m3hLjTXZ5zNKh6RnGr
POLINA REVATHIDEVI	https://drive.google.com/drive/u/0/folders/1HfjKF2zAb34um5m3hLjTXZ5zNKh6RnGr
K MOUNICA	https://drive.google.com/drive/u/0/folders/1HfjKF2zAb34um5m3hLjTXZ5zNKh6RnGr
Mr.V. SURESH	https://drive.google.com/drive/u/0/folders/1HfjKF2zAb34um5m3hLjTXZ5zNKh6RnGr
Mr. SYED ABDUL MUJEER	https://drive.google.com/drive/u/0/folders/1HfjKF2zAb34um5m3hLjTXZ5zNKh6RnGr
Mr.I. PRUDHVI KUMAR RAJU	https://drive.google.com/drive/u/0/folders/1HfjKF2zAb34um5m3hLjTXZ5zNKh6RnGr
Mrs.M.KAVERI	https://drive.google.com/drive/u/0/folders/1HfjKF2zAb34um5m3hLjTXZ5zNKh6RnGr
Ms.B.BAJI	https://drive.google.com/drive/u/0/folders/1HfjKF2zAb34um5m3hLjTXZ5zNKh6RnGr
Mr.I. SOLOMON RAJU	https://drive.google.com/drive/u/0/folders/1HfjKF2zAb34um5m3hLjTXZ5zNKh6RnGr
Ms.B.KAVYA SANTHOSHI	https://drive.google.com/drive/u/0/folders/1HfjKF2zAb34um5m3hLjTXZ5zNKh6RnGr

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
39	42	50	68

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)

GIET treats library as a main knowledge center. Procurement of books, journals, magazines, and digital resources is a continuous activity at GIET. To inculcate the habit of visiting library and spending time with books, library hour is introduced in the timetable. Many well wishers donate books to GIET Library, several rare books and manuscripts which attract curious students and faculty. Extra lab hours and remedial laboratory sessions ensure that students develop a practical bent of mind. Sports activities and extracurricular activities are conducted regularly and with rigor to keep the students

physically fit and mentally alert. Computer centers are equipped with state of the art hardware and software facilities. The laboratory equipment are maintained and calibrated by professional engineers to ensure accuracy of experiments. A dedicated maintenance team will be deputed to undertake these activities. A separate computer maintenance team, IT Support team, is available which handles the college/departmental requirements. For every computer centre, a Programmer / Technician are recruited and a faculty member is made incharge of the centre. An exclusive department with 04 hardware engineers is functioning in the college to cater to the Needs of day-today computer maintenance. However, minor software and hardware problems are being handled by the concerned lab technicians. Central library has its dedicated human resource and the departmental libraries are taken care of by the department office assistant and a faculty Incharge of the concerned department. All the departments take care of timely maintenance of the laboratory equipment. Most of the maintenance work is completed during summer break and a close monitoring of maintenance activities is a prime responsibility of heads of the departments.

https://docs.google.com/document/d/17dcMm4mY4twJvyyBn_nGmSjQpHfigPJo/edit

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	Merit Scheme	256	2313464
Financial Support from Other Sources			
a) National	0	0	0
b) International	0	0	0
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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 implemetation	Number of students enrolled	Agencies involved
Mr. ALOK KUMAR	12/09/2020	33	Bull Logix
Mr. B. JOGARAO	12/09/2020	33	Shelton
Mrs. M. HARIKA	12/09/2020	25	Bull Logix
Dr. K. HARISIVA SRI PHANINDRA	15/10/2020	24	Dream step
Mr. K. RAJENDRA	22/10/2020	23	Bull Logix
Mr. D. AJAY KUMAR	12/09/2020	22	Dream step
Mr. SK. AVINASH KAPIL	12/09/2020	23	Dream step
Mrs. E. NIRMALA DEVI	12/09/2020	23	Shelton
Mr. K. SRINIVASA REDDY	12/09/2020	30	Bull Logix
Mr. M. BALAKRISHNA	12/09/2020	30	Shelton

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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 for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2019	GUEST LECTURE ON BOARD OF CERTIFIED SAFETY PROFESSIONALS HEALTH SAFETY ENVIRONMENT CERTIFICATIONS AND CAREER OPPORTUNITIES	120	120	8	420
2019	Career opportunities and Guidance by Skill -Lync for Mechanical and Automobile students	181	181	12	410
2019	Guest Lecture on Advance in Ship Building Manufacturing	130	130	16	440
2019	Campus Recruitment Training	50	600	10	450
2019	Campus Recruitment Training	50	600	10	450

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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	Number of grievances redressed	Avg. number of days for grievance redressal
18	18	5

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	Name of organizations visited	Number of students participated	Number of students placed
25	1868	236	19	562	89
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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	1	MTech	Mechanical	MANIT-Bhopal	Industrial Tribology and Maintenance Engineering
2019	1	MTech	Mechanical	SVNIT-Gujarat	Manufacturing Engineering
2019	1	MTech	Mechanical	MNIT-Jaipur	Computer integrated Design and Manufacturing
2019	1	MTech	Mechanical	JNTU-Vijayanagara	Thermal Engineering
2019	1	MTech	Mechanical	Pace engineering college	Machine Design
2019	1	MTech	Mechanical	Pace engineering college	Machine Design
2019	1	MTech	Mechanical	RAMACHANDRA ENGG COLLEGE	Machine Design
2019	1	MTech	Mechanical	GIET(A)	CAD/CAM
2019	1	MTech	Mechanical	JNTU-Kakinada	CAD/CAM
2020	2	B. Tech	Mining	ISM DHANBAD	M. Tech
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5.2.3 – Students 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	Number of students selected/ qualifying
GATE	4
Any Other	5
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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Chess	Reginal	36
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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/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	culturals	National	Nil	1	18551A0455	Karri kusuma
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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

The various student council representative committees in GIET are: Class Review Committee: Every section of the Degree Program shall have a Class Review Committee, consisting of Faculty members as class teacher and counsellors and Students as representatives. Class Review committee assists the DAC (Departmental Academic Committee) in the process of academic plan implementation and progress of every course in a semester. Students' professional Clubs: Institute encourages students to form clubs to bring like minded students under one umbrella. Most of these clubs are maintained completely by students under the guidance of faulty members. Various clubs are

1. Developers Student Club: A part of INNOGEN (The Technical Wing) in collaboration with Google.
2. The Interpersonal Skills Wing: To impart world class interpersonal skills by conducting various activities like TED Talks.
3. Language creativity club: In view of the critical significance of language skills in globalized world, students organize this club through activities like debating, group discussions, book reading and review, poetry, quiz and creative writing.

Library Committee: Student members of the library committee will assist in the procurement of text books, journals and other learning material. Alumni Association: Every department attends to the coordination and liaison activity with alumni through the appointed students. Anti Ragging committee: Student members assist the institution in implementing rigid anti ragging measures so that the institution becomes ragging free campus. Grievance and Redressal Committee : The matters of harassment and suppression of any single individual is being handled by Grievance and Redressal Committee. Student members can help other students to present the grievance in case the sufferers want the representation in absentia. Sathi The Girls Club: The objectives of the club are to empower women and girls in academia through imparting educational, awareness training programmes, to strengthen them towards leadership and self motivation and to make them confident individuals in career. Cultural Committee: All the cultural and discipline activities during the occasions of College day, Freshers' day, annual cultural festival (Maitri) are coordinated by this committee. NSS: To inculcate awareness of social problems by the students, NSS activities are coordinated with large participation by students every year. IQAC Student members of IQAC help to propagate quality policies adopted by the institution among the student fraternity and also help in projecting the student view point while taking any quality policy decision.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Institute has developed strong alumni network over the years. Alumni are part of the institute and actively attending to BoS meetings, IQAC meetings and during Technical events. Academic departments regularly invite alumni to interact with students pursuing various courses. 1. Alumni actively participate in BoS meetings for curriculum development. 2. Deliver guest lectures 3. Support for placement internships 4. Support startups student projects 5. Students mentoring 6. Alumni chapter meet at regular intervals at different locations.

5.4.2 – No. of registered Alumni:

3698

5.4.3 – Alumni contribution during the year (in Rupees) :

209567

5.4.4 – Meetings/activities organized by Alumni Association :

02

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)

To promote decentralization and participative management at the institution level, thrust areas were identified and nominated senior faculty members to look after day-to-day activities. The Management and Principal ensure a harmonious climate of human relations between students, faculty members, and departmental heads. Leadership in presenting their views and suggestions for the development of the institution. The institution emphasizes on motivation for research and professional progression with a degree of liberty. Faculty members are part of the decision-making process at all levels. They are members of various committees constituted by the principal like, class committee, students counseling, grievances redressal committee, discipline committee, time table committee, anti ragging committee, hostel committee, entrepreneur development cell, alumni association, college day committee, sports day etc., in which the faculty members provide suggestions on various issues. There is freedom of action, decisions, freedom of research and publication, freedom of thought and expression. 1. Institute has developed a well-established organization structure. Management gives sufficient freedom to the Principal and Vice Principals, and HoDs to take decisions to fulfill the vision and mission of the institution. This year two senior professors were nominated as Deans for Skill Development and Humanities and Basic Sciences. 2. To lower the load and to decentralize the activities, training and placement section, is now divided into two, one being looking after learning and development activities and the other placement activities. Vice Principal (Admin.) will take care of Staff Appraisals, Routine Letters, Issue of Certificates, Staff Grievance etc.

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

Yes

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):

Strategy Type	Details
Curriculum Development	1. Introduction of inter disciplinary electives and self learning electives

in the curriculum. 2. Introduction of choice based credit system. 3. Internship is made mandatory. 4. Term paper was introduced to train the students in conducting literature survey. 5. Mini Project was introduced to develop models.

Teaching and Learning

All the newly joined faculties were offered special training on teaching methodologies by sending to IIT Madras to have one week training program or conducting inhouse training. Faculty can choose their subjects of interest before the commencement of the academic year/semester, the respective Heads of the Department does the course allotment to the members of the faculty based on the specialization as well as the expertise in terms of previous track record of the performance by the faculty for that particular course. Each faculty member should submit course plan and prepare lecture notes. The same should be verified by module coordinator and program coordinator. Students should be regularly monitored about completion of assignments and evaluation marks need to be uploaded. There is a well defined mechanism to identify slow learners.

Examination and Evaluation

VicePrincipal (Academics) along with other College Academic Council members develops academic calendar. The Director of Examinations will release the dates of the mid term and end semester examinations, laboratory examinations and dates of evaluation well before the commencement of the academic year and ensures that the calendar of the activities is adhered to the actual dates. To have more lucid examination system, three sets of questions papers will be collected for internal examinations. The quality of the question paper is also ensured at department level and question paper will be released by the DE before the commencement of the internal examinations and for end semester examination as well.

Research and Development

Following measures have been taken to encourage research and development: 1. Financial incentives for acquiring Ph.D. 2. Financial support encouraging faculty to take new courses under NPTEL. 3. Financial support to organize National/International conferences and

	Workshops. 4. Upgrading infrastructural facilities for research and development to augment postgraduate 5. and doctoral level studies. 6. Encouraging faculty engagement in taking real time industry oriented research projects.
Library, ICT and Physical Infrastructure / Instrumentation	1. Central library along with nine departmental libraries collectively provides adequate learning resources over and beyond the curriculum. 2. Institute library has subscription to online journals. 3. Institute library is automated with Library Management System. 4. Digital library with 60 systems to facilitate elearning. 5. All classrooms, seminar halls, auditorium are enabled with ICT tools.
Human Resource Management	1. Welldefined internal promotion policy for career advancement. 2. Annual appraisal system to evaluate performance of all employees. 3. Maintaining faculty student ratio and mentor mentee ratio as per the norms. 4. Well defined policies and procedures were developed for welfare of the employees. 5. Training programs for skill development and personality development of employees. 6. Automation software is being used in the institute to help all functional areas.
Industry Interaction / Collaboration	1. Institute regularly tries to make industry to be a par of academic activities. 2. Experts from industries are invited to deliver guest lectures and BoS meetings. 3. Identifying new industries every year for all possible academic and research collaboration and MoUs are being signed. 4. Most of the industries are offering internships for UG and PG students. 5. Collaborative Research Work and Publications is another area where industrial experts are contributing a lot.
Admission of Students	In the state of Andhra Pradesh, Admissions are carried through State Eligibility Tests AP - EAMCET, ICET, ECET. Fee concessions for meritorious students and needy students.

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

E-governance area	Details
Planning and Development	Institute currently uses three MIS operational modules ECAP, BEES Examination Tool, Tally accounting software to manage general administration, autonomous system,

	examinations, student attendance and continuous evaluation process.
Administration	Principal and HOD's use ECAP software for faculty meetings/ through email/ SMS to the stake holders which include staff, students and their parents. Each programme is managed by a programme coordinator who works under the HOD.
Finance and Accounts	Tally software is being used for accounting. ECAP software is in force to account Payment of salaries, accountability of CL's/EL's/ML's etc and Student academic records.
Student Admission and Support	ECAP, College automation software is used to take student details and keep a track of performance of individual students.
Examination	Autonomous Section is headed by Director Evaluation and controller of examinations. Further, assisted by a Deputy Controller and Assistant Controllers of examinations. BEE's examination Tool Software is in operation for preexamination and post examinations works.

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	S.VAMSI H C PRASAD	TRANSITION TO ONLINE FACILITATION	NPTEL	1000
2019	K.GOPI SANKAR	HANDS ON TRAINING FOR REMOTE SENSING ITS APPLICATIONS	Professional Development Programmes	1000
2019	DR. D. RAVI KISHORE	International Journal for Modern Trends in Science and Technology	International Journal for Modern Trends in Science and Technology	1000
2019	T. AMAR KIRAN	International Journal for Modern Trends in Science and Technology	International Journal for Modern Trends in Science and Technology	1000
2019	N. VIJAY KUMAR	International Journal for Modern Trends	International Journal for Modern Trends	1000

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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	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2020	A TWO WEEK WORKSHOP ON APPLIED INDUSTRIAL ROBOTICS	NA	27/01/2020	08/02/2020	41	Nil

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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	From Date	To date	Duration
TRANSITION TO ONLINE FACILITATION	1	07/08/2020	12/08/2020	6
HANDS ON TRAINING FOR REMOTE SENSING ITS APPLICATIONS	1	25/11/2020	30/11/2020	6
Integrating variable renewable energy into the grid : Key issues and solutions	1	02/06/2020	02/06/2020	1
Recent trends in electrical engineering	1	08/06/2020	12/06/2020	5
Recent Innovations and Technologies in Electric Vehicles	1	08/06/2020	12/06/2020	5
Power Converter Topologies in Renewable	1	06/06/2020	06/06/2020	1

Energy Sources				
Embedded Systems and IoT	1	28/05/2020	30/05/2020	3
Recent Trends in Electrical Engineering	1	30/05/2020	30/05/2020	1
5G Technology its Applications	1	28/05/2020	28/05/2020	1
Integration of Renewable Energy Systems- Research Tools / Industrial Perspective	1	18/05/2020	22/05/2020	5
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
64	64	29	29

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
EPF, Group Insurance, Free Travel for attending Institute, Conferences, Workshops	EPF, Group Insurance, Free Travel for attending Institute	Group Insurance,

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

Yes.

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/ Grnats received in Rs.	Purpose
Sri Koundanya Educational Society	2313464	Staff, Students Welfare
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6.4.3 – Total corpus fund generated

2312464

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	D-QA, Chaitanya Group	Yes	IQAC, GIET

Administrative	Yes	D-QA, Chaitanya Group	Yes	IQAC, GIET
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6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

1. Student counselling 2. Planning for Academic Excellence 3. Institute-Industrial Relations

6.5.3 – Development programmes for support staff (at least three)

EPF, Group Insurance, Free Travel grant for attending Conferences, Workshops, Paper presentations and Filing patents, Subsidised accommodation for Staff within the campus.

6.5.4 – Post Accreditation initiative(s) (mention at least three)

Syllabus revision, Examination reforms, Research and innovation initiatives etc.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	Yes
d) NBA or any other quality audit	Yes

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	Workshop on NEP	05/10/2019	05/10/2019	05/10/2019	256
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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	Period To	Number of Participants	
			Female	Male
Gender Sensitivity Training Programme	13/12/2019	13/12/2019	156	32
Women Safety And Security In Digital Space	29/07/2019	29/07/2019	98	45
Women's day celebrations	07/03/2020	07/03/2020	89	12

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
Green Initiatives - Roof top Solar Power Plant - Water Harvesting - Bicycles - LED campus

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	0
Ramp/Rails	Yes	0
Rest Rooms	Yes	658
Scribes for examination	Yes	1

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	1	1	05/10/2019	2	Digital Literacy	Financial Frauds - How to avoid	51
2020	1	1	05/11/2019	1	Preservation of Local Fruits	Various techniques to Preserve local Fruits	23

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7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
Universal Human Values (UHV) in education	28/07/2020	The workshop is about our living (not just living with fulfilment but living with continuous fulfilment, which is the basic human aspiration). Deep down, every human being wants to live with continuous fulfilment as an individual and wants to participate in their family, society and the entire nature for a conducive environment, for the fulfilment of others. Education is expected to facilitate the realisation of these aspirations.
Code of Business Conduct Ethics	29/07/2019	Institute has a Handbook of Code of

Business Conduct and Ethics and is developed with an intention to provide guidelines for the Professional, Ethical, Legal and Socially Responsible behaviour that the institute expects from all employees. Roles of individual positions are well defined Viz., Principal, Vice Principals, Deans and Directors, HoDs and faculty and supporting staff. The Code of Business conduct Ethics is written in the aspects of National Interest, Institute Brand, Group Social Responsibility, Sexual Harassment, Competition, Quality of Services, Equal Opportunities, Accurate and Complete Accounting, Settlement of Expenses, Protection of Intellectual property, Confidentiality. Staff Members: All employees on regular rolls of the institute including are governed by this Policy. AT GIET, Employees are the representatives of the institute and hence are expected to demonstrate high degree of discretion. Students: Student shall conduct himself in an exemplary manner and shall do all necessary things to uphold the prestige and reputation of GIET. He/she shall not involve in any strikes, demonstrations and in any other unlawful activities, both inside and outside the Campus. He/she understand any violation, on his/her part, of the disciplinary measures prescribed by the institute will

attract imposition of fines, suspension and even rustication or any other punishment deemed fit by the authorities, and he/she shall abide by decision that would be taken by the authorities. The same is updated on periodically.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Universal Human Values (UHV) in education	28/07/2020	01/08/2020	16
International Yoga Day Celebrations	21/06/2019	21/06/2019	756
Birth Anniversary Of Sardar Vallabhbhai Patel	31/10/2019	31/10/2019	1020
Constitution Day	26/11/2019	26/11/2019	961

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

1. Every Saturday is observed as "Pollution Free Day" and cleanliness is observed in the campus.
2. To avoid carbon emissions bicycles are used in the campus.
3. Sewage treatment plant (STP) and compost pit.
4. E-Waste Management
5. Institute with lavish green campus has a variety of trees, plants and lawns
6. Drip Irrigation
7. Management has announced to make the campus Plastic Free Campus

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1. Title of the Practice: Performance Appraisal of Faculty Members The objective is to induce self introspection and to achieve self accountability into the mindset of the Faculty members in discharging their duties to the institution, students and to the society at large. Objectives: To inculcate the habit of introspection. To make them responsible regarding students' success and failures. To encourage newly appointed faculty to follow precedence set by the senior teachers/faculty members and director To verify the completion of syllabus assigned to a particular faculty to make comparison among the peers and there by develop a healthy and constructive competition among the departments. To induce the teachers to set higher goals by themselves. The Practice: Teachers are required to maintain, by themselves, the syllabus coverage and the classes taken. An annual selfappraisal report needs to be submitted by every teacher and the same will be reviewed by the Head of the Department, and the Principal. Evidence of Success: It is seen that teachers, especially the beginners, became very systematic and the result can be seen in the coursefiles maintained by them. Systematic inclusion of GATE questins, industrial practices seen in the syllabus indicate that the teachers are considering the outcomes of the course when they submit the self appraisal. Problems Encountered and Resources Required: Any new system starts with resistance and slowly gets accepted. It takes lot of time and effort on the

part of the Head of the department, Principal, and Director. The teachers need to be educated very carefully the need for the selfappraisal system and need to be assured that the system is not aimed at punishment but as a regular learning exercise 2. Title of the Practice: Community Partner Acceptable Project Works by UG PG Students. The objective is to achieve sustainability in Projects with funding from both GEIT and Community partners along with students and bringout as many prototypes as possible. Project Planning, Hands on Industrial type working and coordination within the teams, ensured. This kind of Project works, Design Thinking Projects, Design as per rubrics would help the students to play a model role in Projects Management. All final year Students in UG and Final year of PG are to complete a Working Model or a Prototype. All such projects will be scrutinized by a committee and the selected projects will be recommended for DST and other Funding agencies to look for production. The Practice: The Work is coordinated by the teachers and the concerned HOD and work is performed by the student teams taking the help from Technicians. Evidence of Success: GIET could build prototypes in Mechanical Engineering and Automobile Engineering as per the needs of the community partners such as Hundai, Tata Motors etc. Problems Encountered and Resources Required: Teething problems while starting the project and development of prototype were noticed. Funding the Projects is a major issue. Hence only Working Models have been developed for time being. A special marketing facility for the student's projects for commercialization with modifications is required.

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

<https://www.giet.ac.in/pdf/IOAC.pdf>

7.3 – Institutional Distinctiveness

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

Adherence to quality is a major thrust area for GIET. Irrespective of the temporary, evanescent events, GIET thrusts on quality. When GIET achieved autonomy, it continued its policy in framing the syllabus, setting academic regulations, and evaluation practices to promote excellence. Now the GIET evaluation patterns are so streamlined and the examinations are conducted so rigorously that all the stakeholders recognized and treat the GIET procedures reverentially. We would like to spread this rigorousness to all areas to completely visualise the vision and mission of GIET. More precisely, the institution will continuously strive hard towards providing/establishing a practice of quality assurance to regularly address, monitor and evaluate the quality of education offered to students, and promoting effective teachinglearning methods for the benefit of both students and teachers and making the institution a place for excellent temple of knowledge in engineering science and technology. Best standards and practices of good governance, are being be put in place to bring in transparency of operations and improve credibility at all levels. Exclusive Skills Labs serves the students to develop specific skills through Interactive Teaching-Learning Process, Corporate exposure by Industry Internship and project work and thus make them ready to get into industry soon after the completion of their course. Research work among staff members shall be encouraged inorder to update their knowledge. Well equipped Laboratory facilities shall be provided in all the departments. Reputed Industries shall be invited for campus placements.

Provide the weblink of the institution

<https://www.giet.ac.in/>

8.Future Plans of Actions for Next Academic Year

The management of the institution has been quite young and dynamic. The members are engineers, advocates and educationists by profession and thus have deep understanding of importance of quality education. They have been very supportive and quick in implementing various measures for development, branding and strengthening of the institute. Their humbleness, foresight, holistic approach towards education and hard work has won the hearts of every one in GIET family. The institute is self sufficient and as such does not have any major observations/deficiencies pending against it. There are also no legal proceedings whatsoever pending against it. Future Plans

1. To rise up to the vision against all odds and become centre of academic excellence
2. Focus on consultancy services
3. Become self sufficient in all the areas and to overcome the competition and reestablish as a brand of its own
4. To pay back the society still more in the form of ISR
5. MoUs with centres of excellence in academics, research and industry
6. Motivate the employees to become the members of professional bodies
7. Enrich the resources required wherever and whenever consistently
8. To improve the placements until all the students are placed in jobs
9. To consider moving towards integrated campus and finally, towards becoming a University.