Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	**GEETHANJALI COLLEGE OF ENGINEERING AND TECHNOLOGY**
Name of the head of the Institution	**Dr S Udaya Kumar**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**+919866308257**
Mobile no.	**9866395845**
Registered Email	**info@gcet.edu.in**
Alternate Email	**uksusarla@gmail.com**
Address	**Cheeryal (Village),Keesara (Mandal), Medchal (Dist)**
City/Town	**Hyderabad**
State/UT	**Telangana**
Pincode	**501301**

2. Institutional Status

Autonomous Status (Provide date of Conformant of Autonomous Status)	**19-Apr-2016**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**private**
Name of the IQAC co-ordinator/Director	**Dr. B. Leelaram Prakash**
Phone no/Alternate Phone no.	**+919346314538**
Mobile no.	**8328501885**
Registered Email	**info@gcet.edu.in**
Alternate Email	**uksusarla@gmail.com**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	**http://www.geethanjaliinstitutions.com/engineering/img/downloads/AQAR_2018-19.pdf**

4. Whether Academic Calendar prepared during the year

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	http://www.geethanjaliinstitutions.com/engineering/academic-calendar.html

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**A**	**3.36**	**2017**	**09-Jun-2017**	**08-Jun-2022**

6. Date of Establishment of IQAC

6. Date of Establishment of IQAC	**11-Jun-2012**

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by	Date & Duration	Number of participants/ beneficiaries

IQAC		
Do your Entity with IoT	27-Feb-2020 3	109
Principal addressed CSE faculty towards TLP, Research & consultancy, Faculty contribution for institute growth	03-Jan-2020 1	45
Principal addressed ME faculty towards TLP, Research & consultancy, Faculty contribution for institute growth	02-Jan-2020 1	22
Principal addressed ECE faculty towards TLP, Research & consultancy, Faculty contribution for institute growth	14-Dec-2019 1	44
Principal addressed CE faculty towards TLP, Research & consultancy, Faculty contribution for institute growth	13-Dec-2019 1	22
Principal addressed EEE faculty towards TLP, Research & consultancy, Faculty contribution for institute growth	12-Dec-2019 1	23
Power Electronics Application s in energy Resources using Mathworks	16-Sep-2019 3	102
Integration and Value Addition through IoT	26-Sep-2019 3	72
GATE Coaching	16-Aug-2019 150	23
Creo Parametric and Creo simulation	15-Feb-2020 42	86
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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
Teja Educational Society (GCET)	Scientific and Industrial Research Organization	Department of Scientific and Industrial Research (DSIR)	2017 1095	0
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9. Whether composition of IQAC as per latest NAAC guidelines:	Yes
Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	4
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	View File
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.Sensitization of all stakeholders towards quality sustenance and improvement in academics through awareness programs. 2.Assuring strict adherence to academic schedule. 3.Monitoring the teachinglearning process through feedback from stake holders and sharing the same with Principal 4.Promoting research culture through awareness programs. 5.Conduct of academic audit and submission of report on the same to all departments for quality enhancement of the programs offered by the college. Participation in All India ranking Surveys conducted by various organizations 6.Various activities conducted through Women Protection cell such as Gender EqualityIts importance, Awareness programmes on health, hygiene, Training in selfdefence techniques and Creative Writing, one act plays, slogans etc., on 'Women in Nation Building 7.Conducting seminars and webinars on IPR, Human Values and Professional ethics, Technical paper writing, Filing of paptents and enhancement of Life skills etc.,

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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
Ensure Preparation of academic schedule	Detailed Academic Calendar/schedule for the academic year 201920 was prepared in time, communicated to all concerned and posted the same on the college notice boards/website
Increase in facilities and as well as provide incentives for quality research output.	Towards achieving the goal of quality research output, the college is providing the state of the art research facilities as well as extending all the support including publication charge

	for refereed journals and paid leave for attending conferences.
Provide a thrust to Industry - Institute Collaborations	New linkages have been established and regular meetings with representatives of industries have been conducted and various MoUs with Industries are signed.
Strive for Increase in research grants	The teachers were granted research proposals such as funding projects, MODROBS schemes and FDP grants from various funding agencies.
Propose the restructure of Finishing school	Finishing school has been restructured wherein critical programming skills are imparted to students with emphasis on data structures and algorithms. In addition, aptitude skills training is provided to ensure a large number of students clear the aptitude test during placement drive.
Facilitating younger faculty perform better by assigning mentor for each of them based on their specialization	1.Value added teaching learning. 2.Promoted research culture. 3.Establishment of second level leadership in various specializations. 4.Creation of fairly good talent pool in various areas of specializations 5.Facilitating departmental development.
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14. Whether AQAR was placed before statutory body ?	Yes

Name of Statutory Body	Meeting Date
Academic Council Meeting	25-Jan-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	2020

Date of Submission	11-Jan-2020

17. Does the Institution have Management Information System ?	Yes

If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	The GCET has welldesigned softwares namely EZ, Winnou, BEES, Focus and

Payroll System for the effective functioning of Management. The various academic and other activities are automated through these softwares. EZ software is used for maintaining the database of books, journals, acquisitions, and transaction details. Reports such as authorwise, publisherwise, and titlewise lists can be prepared. Daily, monthly, and titlewise transactions can be prepared. Monitoring library resources, acquisition details, issue and return mechanism of books is done. User settings facility is also available. Learning materials, course files are made available to the students online. It is also used for Fee collection. Using Winnou software, the master data consisting of the details of all students of GCET can be prepared. The updated sectionwise roll lists of all batches are available in the master data. The roll numbers of all lab batches in each section are also available. The attendance details and periodical attendance are available. The workload and timetables are made available. Provision exists for displaying circulars form Principal's office and other departments. Updated staff profiles are made available. Staff leave management is done using this. Sessional marks, Semester end marks and student academic reports are available. The students and staff can also check the number of reference books and textbooks available as per the title and author. Students' attendance is effectively tracked and is updated daily. The parents are informed about the absentees on the same day of their absence through SMS. The students' information is made available to all faculty members. The consolidated attendance reports are prepared for the students in each fortnight. The parents of wards having less than 75 attendance are cautioned to improve the attendance. The attendance and leave particulars of all faculty members is also managed using this software. BEES software is used for Results monitoring, Examination related works, Online valuation and Markslist printing. The midterm and End semester examination related student lists, consolidation of internal and

external marks entry, result analysis is done. The results are declared by Results Committee which has JNTUH Nominee. Finally, marks memos and certificates are printed. All the above processes are controlled by Examination information system. Semester end results are displayed in the GCTC portal. Transportation in the college operates by using GPS enabled services. A Biometrics system is also available for monitoring the staff attendance and the time of arrival and departure from the college campus. Fully functional WiFi, Internet facility through LAN and Intercom facility is provided to all the staff members for effective management Information system. Well maintained and updated college website is in place. All the activities held in the campus are uploaded to website for the access of the students, staff and parents. The online feedback on Teaching Learning process and on central facilities from students is taken at least twice in a semester. All the accounts and financial issues are monitored through Focus 5.5 accounting package. system namely Focus Accounting package. Staff salaries are credited to Bank accounts using Payroll software.

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	A01	CE	24/06/2019
BTech	A02	EEE	24/06/2019
BTech	A03	ME	24/06/2019
BTech	A04	ECE	24/06/2019
BTech	A05	CSE	24/06/2019
Mtech	D58	CSE	15/07/2019
MBA	E00	PG	15/07/2019
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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	CE	24/06/2019	18CS1101,	24/06/2019

			18CS11L1, 18CS1201, 18CS12L1, 16CE2103, 16CE2202, 16CE3101, 16CE3102, 16CE3104, 16CE3105, 16CE3201, 16CE3203, 16CE3204	
BTech	EEE	24/06/2019	18EC2102, 18EC21L1, 18EE3104, 18EE3106, 18EE3107, 18EE3109, 18EE3110, 18EE3204, 18EE3205, 18ME322, 18CS3225, 18MB322, 16EE4104, 16CS4142, 16CE4146, 16EC4106, 16EC41L2, 16EE4203, 16EC4206, 16CS4252	24/06/2019
BTech	ME	24/06/2019	16ME4106, 16EE4143, 16ME3203, 16ME3204, 16ME3210, 16ME3211, 16ME3212, 16ME32L2, 18CS1101, 18CS11L1, 18CS1201, 18CS12L1, 18ME2101, 18ME2102, 18ME21L1, 18CS2225, 18MA22L1, 18ME22L2, 18ME22L3, 16ME31L1, 16ME31L2, 16EN31L1	24/06/2019
BTech	ECE	24/06/2019	18CS1101, 18CS11L1, 18CS1201, 18CS12L1,	24/06/2019

				16CS3123, 16MA31P, 16EC3201, 16EC32L1, 16EC3206, 16CS3212, 16EC3209, 16EC32L2, 16EC32L3, 18CS1101, 16MB414, 16CS4142, 16EC41C2, 16CS41L3, 16CS4110	
BTech	CSE	24/06/2019	18CS1101, 18CS11L1, 18CS1201, 18CS12L1, 18CS2101, 18CS2102, 18CS21L1, 18CS21L3, 18CS2201, 18CS2203, 18CS22L1, 16CS3101, 16CS31L3, 16CS3104, 16CS3201, 16CS3202, 16CS32L1, 16CS3204, 16CS4104, 16CS4109	24/06/2019
Mtech	CSE	15/07/2019	18MCS101, 18MCS103, 18MCS104, 18MCS105, 18MCS107, 18MCS1L1, 18MCS1L2, 18MCS113, 18MCS1L4, 18MCS201, 18MCS2L1, 18MCS202, 18MCS204, 18MCS2L3, 18MCS205, 18MCS2L4, 18MCS207, 18MCS208	15/07/2019
MBA	MBA	15/07/2019	18EN01L1, 18MB02L1, 18MB0206, 18MB0411	15/07/2019

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
BTech	IT	02/08/2019

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	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	CIVIL	24/06/2019
BTech	EEE	24/06/2019
BTech	ME	24/06/2019
BTech	ECE	24/06/2019
BTech	CSE	24/06/2019
BTech	IT	24/06/2019
Mtech	CSE	15/07/2019
MBA	MBA	15/07/2019

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
Certification Training on Revit	04/01/2020	104
Training to Enhance Programming skills by Six Phrase	28/12/2019	246
Campus Recruitment Training	30/06/2019	246
EPAM	21/01/2020	69
Service Now	14/03/2019	109
BEC, Softskills	02/09/2019	95
Training to Enhance Programming skills by Six Phrase	28/12/2019	115
Integration and Value Addition through IoT	26/09/2019	72

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	CE	170
BTech	EEE	59

BTech	ME	122
BTech	ECE	213
BTech	CSE	95
MBA	MBA	54
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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

College collects feedback from the following stakeholders to monitor, assess and evaluate various processes and takes necessary action for its overall development: • Students ? Teaching-Learning Process (TLP) ? Teaching effectiveness ? Class review committee meetings ? Course End survey ? Central facilities • Alumni and Recruiters on curriculum and program outcomes • Graduates just at the time of their graduation (Graduate exit survey) • Professional Societies members Feedback on TLP and central facilities of the college: Feedback on the above two aspects is taken twice in a semester, preliminary, between week 4 to 5 and final in the penultimate week of the semester. Feedback on TLP is taken on the following parameters: 1. Passion and Enthusiasm to teach 2. Subject knowledge 3. Clarity and emphasis on concepts 4. Motivating and inspiring the student 5. Creating interest in the subject 6. Quality of illustrative visuals, examples and applications 7. Regularity, punctuality, and uniform coverage of syllabus 8. Discipline and control over the class 9. Promoting student thinking 10. Encouraging student effort and inviting student interaction ? Preliminary feedback is analysed and corrective actions are initiated by the respective Heads of the departments in the form of counselling the concerned faculty who is also advised and is asked to attend some senior faculty members classes to learn various pedagogical practices. ? There will be an informal interaction between the students and the Class Teacher/HoD /Principal to encourage and address the issues related to teaching quality. ? Class Review Committee (Class-Teacher and HoD/HoD-nominee) will take feedback from three male and three female student representatives on meeting the learning objectives and learning outcomes, teaching aids, tutorials and assignments of the respective courses, on each unit of the course, but not less than three times in a semester. Whenever, feedback is from students is low, Faculty are counselled accordingly. ? In addition, feedback is taken on salient features of the course through Course End Survey. ? Graduate Exit survey is taken from the outgoing batch of students on Program Outcomes and Alumni feedback is taken on Program Outcomes and curriculum for improvement. ? Feedback from other stakeholders is taken on curriculum, and when curriculum is revised, suggestions given by the stakeholders is considered and appropriate actions is taken. Feedback on Central facilities It is taken on parameters such as 1. Soft skills and Personality Development 2. Employability Skills 3. Campus Placement Efforts 4. Extracurricular and Co-curricular activities 5. Mentoring support 6. Career and academic guidance 7. Leadership of the college 8. College

transport 9. Service in ? Academic Section ? Exam Branch ? Library ? Accounts 10. Physical Education 11. Quality food and Service in Canteen 12. Overall opinion of GCET in comparison to other colleges Privacy and Confidentiality are maintained so as to avoid the individual student assessor's identity. Appropriate action is initiated accordingly by the institutional administration taking necessary steps. College encourages and rewards teachers with excellent performance through appreciation letters, additional increments or promotion, in a few cases.

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
BTech	CE	120	94	91
BTech	EEE	120	88	86
BTech	ME	120	82	80
BTech	ECE	240	279	239
BTech	CSE	240	376	240
BTech	IT	60	70	60
Mtech	CSE	30	3	3
MBA	MBA	60	72	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	3549	126	242	15	5

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	Numberof smart classrooms	E-resources and techniques used
262	262	6	20	7	40
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)

Faculty members are nominated as class teachers and mentors for counselling the respective batch of students. Each faculty is assigned around 15 students for mentoring. Mentors guide their mentees in attaining their academic and professional goals. Mentors establish interpersonal relationships with mentees to help them in developing their career and well-being in general. Prior to the placement drives, the college arranges rigorous

training to impart technical and soft skills by identified professionals. In the above process, the mentors play a key role in monitoring their attendance, attentiveness and performance on regular basis which results in getting a greater number of quality placements. Mentor and mentee system ensures that they have a healthy interpersonal relationship, which evolves over time. Mentor plays a vital role in building the self-confidence of the newly joined students in the institute and continues until they come out of the institute with the flying colours. Present mentoring system also help the students to get adjusted with the differences in culture, ethnicity and gender. Mentoring starts with finding the previous academic experiences of new students, knowing about their aims and objectives in taking up B.Tech course. Mentoring system encourages peer learning. It involves need analysis of the students and helping the students to guide them in their desired directions. Student mentoring system is in place for year wise students as per their needs. Career and Academic Guidance (CACG) cell of the college aims to train the students by providing assistance and advice for their future career prospects. It creates awareness towards focusing on their choices of careers by providing updated information about job opportunities and resources. The centre provides assistance in preparation for the job search offering through some of the following: • Workshops and individual help with resume and cover letter writing, interviewing, and other job-search skills • Individual and group career advising • A library of books and bookmarks to web sites with links to job resources • On-campus interviewing opportunities

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
3549	247	1:14

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
32	32	Nill	32	3

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
2019	Dr. M. Aruna Bharathi	Professor	Best Affinity Group Award from IEEE Hyd section
2019	Dr. B. Madhuri	Associate Professor	Executive Comitte member, PES IEEE Hyd Section
2019	Dr. G. Soma Sekhar	Associate Professor	IEEE Standards Committee Member in different domains
2019	Dr.D.S.R.Murthy	Professor	Teaching Excellence Award
2019	Dr.D.S.R.Murthy	Professor	Bharat Ratna.Dr.Abdul kalam Gold Medal Award / Individual Achievement and National Development –Global economic progress research
2019	G. Praveen Kumar	Assistant Professor	Digital Skills Readiness Program

2019	Dr.R.S.Raju	Professor	Conference chair ICMM 2019, GCET
2019	Dr. G.Neeraja Rani	Professor	Convenor ICMM 2019, GCET
2019	Dr. J.Anjaiah	Professor	Convenor ICMM 2019, GCET
2020	Dr. Puja S Prasad	Associate Professor	The international Conference on smart technologies in Computing, Electrical and Electronics

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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	A01,A02,A03,A04 and A05	I Semester/II year	14/11/2019	23/12/2019
BTech	A01,A02,A03,A04 and A05	I Semester/III year	19/11/2019	23/12/2019
BTech	A01,A02,A03,A04 and A05	I Semester/IV year	18/11/2019	23/12/2019
Mtech	D58	I Semester/I year	16/01/2020	13/02/2020
BTech	A01,A02,A03,A04, A05 and A12A05	I Semester/I year	04/01/2020	13/02/2020
MBA	E00	I Semester/I year	31/01/2020	13/02/2020
MBA	E00	I Semester/II year	11/12/2019	23/12/2019
BTech	A01,A02,A03, A04 and A05	II Semester/IV year	20/09/2020	26/10/2020
MBA	E00	II Semester/II year	27/09/2020	26/10/2020

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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

831	7097	11.71

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)

http://www.geethanjaliinstitutions.com/engineering/

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
E00	MBA	MBA	51	48	94.12
D58	Mtech	CSE	5	5	100
A05	BTech	CSE	243	221	90.95
A04	BTech	ECE	286	253	88.46
A03	BTech	ME	124	112	90.32
A02	BTech	EEE	133	128	96.24
A01	BTech	CE	118	105	88.98
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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)

http://www.geethanjaliinstitutions.com/engineering/img/downloads/iqac-sss.pdf

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
Dr.R.S.Raju
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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
National	NIL	NA	Nill	NA
International	NIL	NA	Nill	NA
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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
Projects sponsored by the University	730	GCET/JNTUH	7	2.5
Minor Projects	365	AICTE - MODROBS	23.8	23.8
Minor Projects	365	JNTUH-TEQUIP	6	6
Minor Projects	365	DRDO-MTRDC-Bangalore	8.07	5.35
Major Projects	1095	DRDO, Kanpur	45.81	0
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3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

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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
Workshop on IPR	Management Studies	05/03/2020
SmartBridge Educational services Pvt Ltd	CSE	02/12/2019
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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
24Hrs Hackathon on Internet of Things with IBM Cloud	Rashmi Handra	JNTUH College of Engineering, Hyderabad.	12/08/2019	Appreciation
Supported Summer Interns in building use cases with Internet of Things with IBM Cloud	G Sai Rohith Vishaal	SmartBridge Educational Services Pvt. Ltd., Jubilee Hills, Hyderabad	26/06/2019	Technical Mentor
Engineering Drawing Competition	G.KALYAN-17R11A0311	SAEISS	14/02/2020	First Prize
Structural and Dynamic Analysis	S.RAHUL REDDY -17R11A0339	SAEISS	14/02/2020	Second Prize

Competition					
Smart india Hackthon-2020	K.Sowjanya - 17R11A0324 N.UDBAV - 17R11A0331 Aditya kymar dash - 17R11A0331	GCET	24/12/2019	First Prize (Institutional level)
Smart india Hackthon-2019	K.Sowjanya - 17R11A0324, S.SAI SRIJAN- 17R11A0342 N.UDBAV - 17R11A0331 J. Maneesh kumar Reddy- 17R11A0316 Stefen jala - 17R11A0317	GCET	18/01/2019	Shortlisted for second round of hackthon
Aeroplane design Challenge- 2019	M.Suhas - 16R11A0333 N.Rahul Kumar - 16R11A0380 P.Rajesh - 16R11A0376 M.Sai Mani Preetham - 16R11A0340 Shaik.Jaweed - 17R15A0320 M.Nischala - 16R11A0384	SAEISS	21/07/2019	Achieved 39th position in the competition SAE ETWDC-2019
Aeroplane design Challenge- 2019	G.Uday kumar - 16R11A0317 G.Ravi Shankar Yadav - 17R15A0302 G.Sai Siddharth Reddy- 17R15A0310 T.Rajesh - 17R15A0301 B.Gaourv Anand - 16R11A0351 P.Chucharita - 16R11A0378 C.H.Yashaswini - 17R11A0353	SAEISS	21/07/2019	Achieved 51st position in the competition SAE ADC-2019
Electric bike Design	N.SAI NIHAL - 17R11A0173 P.V. S.S.K.SANTHOSH - 17R11A0376 P.V.RAHUL - 17R11A0332 D. ABHIJITH - 17R11A0355	SAEISS	29/09/2019	Achieved 49th position in the competition SAE ETWDC-2019

Innovative Chassis design – Electric bike Design	S.RAHUL REDDY -17R11A0339,S.S AI SRIJAN- 17R11A0342,G.KALYAN - 17R11A0311,J. Maneesh kumar Reddy- 17R11A0316,K.TANUJ - 17R11A0346,P.Hemanth- 17R11A0336,S.k Ahmed – 17R11A0343,K.Sowjanya- 17R11A0324,T.Ravi - 17R11A0344 ,Ch.Vineeth – 17R11A0354	SAEISS	29/09/2019	National level Third prize in special awards category in SAE ETWDC-2019

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

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
1	GCET Incubation Centre	Teja Educational Society	NA	NA	Nill

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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
ECE	2
CSE	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)
International	CE	7	0
International	EEE	24	3.09
International	ME	22	2.46
International	ECE	5	0
International	CSE	21	5.94

International	FE	21	0
International	MBA	3	0

View File

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
EEE	17
ME	3
ECE	2
CSE	6
FE	10

View File

3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
Continuous Flow Vermi-Reactor for Fast Track Urban Solid Waste	Published	201811034642 A	08/03/2019
"IOT-AIS-DESK:-Using IOT Application Intelligent Student Desk"	Published	201941014569	26/04/2019
A Wireless Technology is provided for Monitoring Environmental Soil Or Climate Conditions And Controlling System"	Published	201941045415	29/11/2019
Intelligent Fish Stock Prediction Using Image Processing,Machine Learning And Deep Learning	Published	201941050634	13/12/2019
"Advanced Automobile with Combination of Camera, Radar and Radio Frequency Communication Work Together With Sensor Fusion"	Published	201941045959	29/11/2019
A method of image denoising and a system thereof, Methodology and	Published	201941039885	31/10/2019

System for Image Restoration				
ATG - System: Automatic Ticket Generation System	Published	201821008724A	13/09/2019	
A Wireless Technology is provided for Monitoring Environmental Soil Or Climate Conditions And Controlling System	Published	201941045415	29/11/2019	
Advanced Automobile with Combination of Camera, Radar and Radio Frequency Communication Work Together With Sensor Fusion	Published	201941050634	29/11/2019	
Intelligent Fish Stock Prediction Using Image Processing, Machine Learning And Deep Learning	Published	202041020749	13/12/2019	

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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
Dual Stage Bayesian Network with Dual-Tree Complex Wavelet Transformation for Image Denoising	Dr.C.V.N arasimhulu	Journal of Engineering in Scopus and web of Science indexing	2020	0	GCET	Nill
Denoising Images by Dual Tree Complex wavelet Transform combined	Dr.C.V.N arasimhulu	International Journal of Innovative Technology and Exploring Engineerin	2020	0	GCET	Nill

with Metah euristic O ptimizatio n Algorithms		g(IJITEE)				
Thermal Properties of Hybrid Natural Fiber Reinforced Epoxy Matrix Composites with SiC as Filler	Dr. M. Devaiah Murali Krishna N.N. Denesh G. Sai Siddharth Reddy J. Nithien	International Conference on Multi-Functional Materials (ICMM-2019)	2019	0	GCET	Nill
Influence of Elevated T emperature s on Flexural Strength of Polysia late Composite	Dr. S. Sapthagiri Dr. S. Shyam Kumar	AIP Journal	2019	0	GCET	Nill
Thermal Degradatio n Study for manufa cturabilit y of polye theretherk etone/ Hyd roxyapatin e Bone Implant	Dr. S. Shyam Kumar Dr. S. Sapthagiri	AIP Journal	2019	0	GCET	Nill
Mechanical Properties of Hybrid Natural Fiber Reinforced Epoxy Matrix Composites with SiC as Filler	Dr. M. Devaiah Murali Krishna N.N. Denesh G. Sai Siddharth Reddy J. Nithien	International Conference on Multi-Functional Materials (ICMM-2019)	2019	0	GCET	Nill
A Concise Report on Properties of Hybrid Composites	K. Venkatesh, Raghavendr a N	ELSEVIER Materials Today Proc eedings Volume 22, Part	2020	3	GCET	2

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Manufactured from Glass and Natural Fibers		4,2020, Pages 2016-2024				
Experimental Investigation of Microstructure Mechanical Properties of Brass-Iron Joined by TIG Welding Process	J. Nithin Kumar Dr. M. Devaiah P. Sandeep Kumar P. Sudheer Rao	Recent Advances in Mechanical Engineering. Lecture notes in Mechanical Engineering	2020	0	GCET	Nill
Design Analysis of Aluminum-Fly ash Composite for Connecting rod	N. Suresh Dr. M. Devaiah	SAE India ADMMS19 International Conference	2019	0	GCET	Nill
Mechanical Properties of Similar and Dissimilar Metals of Monel 400 and SS 321 by Using gas Tungsten Arc Welding (GTAW) process	R. Sudarshan Dr. M. Devaiah	SAE India ADMMS19 International Conference	2019	0	GCET	Nill

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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 excluding self citation	Institutional affiliation as mentioned in the publication
A comparative study on the thermal behaviour	P.Harsha Praneeth	Materials Today	2020	Nill	Nill	GCET

of PPC and OPC cement						
Mechanical Properties of Similar and Dissimilar Metals of Monel 400 and SS 321 by Using gas Tungsten Arc Welding (GTAW) process	R. Sudarshan Dr. M. Devaiah	SAE India ADMMS19 International Conference	2019	Nill	Nill	GCET
Plasma Current Effects on the microstructure of solution precursor plasma spray YSZ Coatings	R. Sudarshan	International Conference on Applied Physics, Power and Material Science	2019	Nill	Nill	GCET
A Concise Review on Processing of hybrid Composites produced by the Combination of Glass Natural Fibers	K. Venkatesh, Raghavendra N Savannananavar	ELSEVIER Materials Today Proceedings Volume 22, Part 4,2020, Pages 2016-2024	2019	Nill	Nill	GCET
Effect of Twist Angle and RPM on the Natural Vibration of Composite Beams made up of Hybrid Laminates	K. Venkatesh R.Sravani	3rd International Conference on Advances in manufacturing Technology-22 nd 23rd June-2018. SPRINGER NATURE Advances in Manufacturing Tec	2019	Nill	Nill	GCET

		hnology. Lecture Notes in Mechanical Engineering				
Finite Element Analysis of Hydraulic Press Emphasis with minimum deformation thickness optimization	N.S. Raghavendra	International Journal of Research in Advance Technology	2019	Nill	Nill	GCET
Study on Effect of Coefficient of Friction on the work piece in Grinding by FEA	N.S. Raghavendra	International Journal of Research in Advance Technology	2019	Nill	Nill	GCET
Design Analysis of Aluminum-Fly ash Composite for Connecting rod	N. Suresh Dr. M. Devaiah	SAE India ADMMS19 International Conference	2019	Nill	Nill	GCET
Experimental Investigation of Microstructure Mechanical Properties of Brass-Iron Joined by TIG Welding Process	J. Nithin Kumar Dr. M. Devaiah P. Sandeep Kumar P. Sudheer Rao	1st National Conference on Advance in Mechanical Engineering (NACAME-2019)	2019	Nill	Nill	GCET
Analysis of Internal Damping in Rotating	K. Raju M. Ravindra Gandhi	International Conference on Innovations in	2019	Nill	Nill	GCET

Shaft	Mechanical Engineering ICIME-2019				
	View File				

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	44	183	51	30
Presented papers	53	3	Nill	Nill
Resource persons	2	6	7	5
View File				

3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
ECE	Development of Specific Microwave Tube for defence application	VEM TECHNOLOGIES PVT. LTD., HYDERABAD	370000
View File			

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

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
NIL	NA	NA	0	0
View File				

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
"Better Spoken English and MS-Office" Program	GCET-NSS Unit	5	2
Dental Camp	ARMY COLLEGE OF DENTAL SCIENCES -Secunderebad.	25	200
Donation of Stationary to Govt.Priamary Schools-Cheeryal.	GCET-NSS Unit	11	40
"Dental Treatment" Program	ARMY COLLEGE OF DENTAL SCIENCES	5	34

	-Secunderebad.		
"Haritha Haaram" Program	TS Government	11	158
Cutting and Tailoring Classes for women(Cheeryal and Yadgarpally villagers)	GCET-NSS Unit	2	Nill
Teaching and Helping Hands to Govt Primary Schools of near by villages(Cheeryal,Yadgar Pally,Thimmai Pally,KundanPally,Godhumakunta and KarimGuda)by GCET-Students.	GCET-NSS Unit	8	60
Blood Donation Camp	LIONS CLUB-Jubliee Hills.	6	15

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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
NIL	NIL	NIL	Nill

View File

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
NIL	NIL	NIL	Nill	Nill

View File

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
Design of Solenoid focusing system for BWO	Dr.R.S.Raju	MTRDC-DRDO, Bengaluru	365
Development of novel carbon / nanotube/polymer nanocomposite	Dr.S.Udayakumar	DRDO, Kanpur	1095
Speech enabled IVR-based online market place for farmers	Dr.P.Sudhakar	JNTUH. TEQIP III, CRS	365

Machine Learning Approach for plant disease identification using leaf images	Dr. Ch. Ramesh Babu	JNTUH. TEQIP III, CRS	365
Investigation of Linear Combinations of GNSS Measurements to Mitigate the Effect of Ionosphere and Multipath	Dr.V.Satyasrinivas	DST	1277
Colaborative research grant	Dr.M.Aruna Bharathi	JNTUH	365
Colaborative research grant	Dr.P.Anil	JNTUH	365
A facile synthesis and anticancer activity of novel quinoxaline-2-carbohydrazide N-oxide	Dr.K.Shashikala	JNTUH. TEQIP III	365
Peristaltic Transport of Nanofluids	Dr.N.Subadra	JNTUH. TEQIP III	365
[View File](#)			

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
Industy oriented internship	Study of temperature control of a furnance	HRD NFC Hyderabad	25/11/2019	24/12/2019	Anugu Preethi
Industy oriented internship	Study on Industrial power distri butuion System	HRD NFC Hyderabad	25/11/2019	24/12/2019	J. L. Praneetha
Industy oriented internship	Study on Industrial power distri butuion System	HRD NFC Hyderabad	25/11/2019	24/12/2019	P.Ramya krishna
Industy oriented internship	Study on Industrial power distri butuion	HRD NFC Hyderabad	20/05/2019	19/06/2019	N. Roja

Industy oriented internship	Study on Industrial power distributuion System	HRD NFC Hyderabad	20/05/2019	19/06/2019	M. Goutham Reddy
Industy oriented internship	Study on Industrial power distributuion System	HRD NFC Hyderabad	20/05/2019	19/06/2019	T.Sushmitha Singh
Industy oriented internship	Study of temperature control of a furnance	HRD NFC Hyderabad	25/11/2019	24/12/2019	D. Nikitha
Industy oriented internship through internshala	Social media marketing	Crazy for succes foundation	15/07/2019	22/07/2019	V. Indraneel
Industy oriented internship through internshala	Hadoop lead developer/ hadoop intern	Open hardware days pvt.ltd	13/05/2019	01/07/2019	B. Sai Yashwanth
Industy oriented internship through internshala	Hadoop lead developer/ hadoop intern	Open hardware days pvt.ltd	13/05/2019	01/07/2020	B. Krishna teja

View File

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
Datalog Controls and Solutions Private limited Hyderabad	01/07/2019	Talks/Project colaberation and Field visit	144
AMZ Automotive	15/10/2019	Training/Internship	122
Vijetha Engineering Industries	03/08/2019	Training/Internship	3
Suvida Inspection Methods and Systems	24/08/2020	Training/Internship	5
Datalog Controls and Solutions Private Limited, Hyderabad	01/07/2020	Internship, Research	110

LED Chip Indus Private Limited, Hyderabad	15/07/2020	Internship, guest lectures	100
Centre of Excellence	05/01/2020	Project Based Learning	50
SmartBridge Educational services Pvt Ltd	02/12/2019	Training on Robotics	35

View File

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
360	363

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Others	Existing
Classrooms with Wi-Fi OR LAN	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Video Centre	Existing
Seminar halls with ICT facilities	Existing
Classrooms with LCD facilities	Existing
Seminar Halls	Existing
Laboratories	Existing
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 patially)	Version	Year of automation
EZ Library software Offline Mode	Fully	10.0.0.922	2009
Winnou Application Online Mode	Fully	www.geethanjali.winnou.com	2018

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	35869	9782135	1722	935524	37591	10717659

e-Books	**6981**	**219640**	**1049**	**57820**	**8030**	**277460**
Journals	**1274**	**3447010**	**170**	**499296**	**1444**	**3946306**
e-Journals	**20398**	**9718769**	**3055**	**523874**	**23453**	**10242643**
Digital Database	**1**	**50070**	**1**	**13500**	**2**	**63570**
CD & Video	**7514**	**Nill**	**3057**	**Nill**	**10571**	**Nill**
Library Automation	**2**	**500000**	**1**	**100000**	**3**	**600000**
Weeding (hard & soft)	**1433**	**182466**	**Nill**	**Nill**	**1433**	**182466**
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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
NIL	**NIL**	**NIL**	**Nill**
[View File](#)			

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	**1626**	**47**	**210**	**2**	**2**	**0**	**5**	**210**	**0**
Added	**192**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Total	**1818**	**49**	**210**	**2**	**2**	**0**	**5**	**210**	**0**

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

210 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
Course Files	[192.168.0.10](#)
Lab Manuals	[192.168.0.10](#)
Digital Library	[192.168.0.10](#)

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	Assigned budget on physical facilities	Expenditure incurredon maintenance of physical

	facilities		facilites
192	88.62	820	950.57

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)

General Maintenance Cell headed by Dean-Admin. of the college is responsible for upkeep of the college premises including class rooms, laboratories, library, sports, electrical, office and office equipment. The cell performs routine check-ups and repair works. A central complaint register is maintained. Maintenance cell attends complaints on a priority basis. Most of the minor and major repairs are carried out internally and some major repairs outsourced. Members of the cell meet once in a month: review the requirements, conduct energy audit (half-yearly) and chalk out needed action. Staff belonging to the maintenance cell perform routine cleaning of the water tanks, water coolers, filters, etc. as per schedule. Laboratories Laboratory equipment/instruments are maintained by lab technicians, supervised by faculty Lab in-charges under the guidance of HoDs of the departments concerned. Other measures used are: The calibration, repairing and maintenance of more sophisticated lab equipment are done by OEMs. All other equipment is regularly cleaned and maintained by the concerned departments and record of the same is maintained. A systematic disposal of waste of all types such as bio-degradable, chemical and e-waste is done regularly. Library The requirement of books is taken from the HoDs. The final list is duly approved and signed by the Principal much before the commencement of the academic year. Every year in the beginning of session, students are motivated to visit library by mentioning various facilities and how to use them. Suggestion box is available in reading room to take users feedback for improvement and new ideas regarding library enrichment. A register is maintained to record number of visitors (students and staff). Other issues such as weeding out of old titles, Loss of books specified by stock verification committee, schedule of issue/return of books etc. are resolved by the library committee. Electrical Maintenance Cell: It is headed by Associate Professor of EEE: responsible for maintenance of all electrical installations. The cell liaises with State Government authorities which undertake inspections. This ensures compliance prescribed safety regulations and maintenance. Sports: Physical Directors ensure maintenance of Basket Ball/Volley Ball courts, TT/Carrom/Chess rooms. Students won prizes in Chess, Boxing, Football, Basket Ball, Table Tennis, etc. in University level sports. Computers Two computer centers are established and all computers are maintained by system administrators in the college. Computer maintenance through AMC is also done regularly and non-repairable systems are disposed of. A faculty in-charge supervises all system administrators who also maintain the local area network connectivity and also connectivity provided by Internet Service provider (ISP). Classrooms The maintenance cell ensures upkeep of all classroom infrastructure. At the departmental level, HoDs submit their requirements to the Principal regarding classroom furniture and other, if any, much before the commencement of the academic year which are provided. Transport Vehicles: Vehicle maintenance cell headed by Associate Professor in Mechanical department is responsible for maintenance of all transport vehicles including buses and cars. Routine maintenance and small repairs are done in-house and major repairs are outsourced to authorized agencies. Fitness of buses get certified by RTA.

http://www.geethanjaliinstitutions.com/engineering/index.html

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	**Sri Raja Reddy Memorial**	**60**	**200500**
Financial Support from Other Sources			
a) National	**0**	**Nill**	**0**
b)International	**0**	**Nill**	**0**
	[View File](#)		

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
Business English Communications	**02/08/2019**	**99**	**Cambridge University, UK**
Edweiss interaction	**18/02/2020**	**40**	**Edweiss Team**
Maanya Review Interaction	**11/02/2020**	**300**	**Manya Team**
Carnegie Mellon Interaction	**05/01/2020**	**45**	**CMU,USA**
UG Fellowship Introduction for undergraduate students	**17/12/2019**	**100**	**Vishwaniketan**
Maanya Review Interaction	**14/12/2020**	**40**	**Manya Team**
BYJUs Interaction	**20/12/2019**	**300**	**BYJUs Team**
Soft skills Training	**14/12/2020**	**37**	**Six Phrase**
Bridge course	**21/10/2020**	**35**	**GCET**
	[View File](#)		

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 passedin the comp. exam	Number of studentsp placed
2020	**Career Counselling/ Placement Training / Higher Education**	**1125**	**3549**	**65**	**746**
		[View File](#)			

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
Nill	Nill	Nill

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
63	798	559	17	451	222

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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	Depratment graduated from	Name of institution joined	Name of programme admitted to
2020	40	B.Tech, MBA	CE,EEE,ME, ECE,CSE and MBA	NICMAR,University of Maryland,Melbourne institute of technology Australia,UNT University of North Texas	M.S, M.Sc, M.Tech,MBA etc.

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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	6
GRE	33
Any Other	30

View File

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

Activity	Level	Number of Participants
CRICKET	College Level (INTRA MURAL ANNUAL DAY-2020)	45
FOOT BALL	College Level (INTRA MURAL ANNUAL DAY-2020)	21
ATHILITICS	College Level (INTRA MURAL ANNUAL DAY-2020)	24
BASKET BALL	College Level (INTRA MURAL ANNUAL DAY-2020)	23

TABLE TENNIS BOYS	College Level (INTRA MURAL ANNUAL DAY-2020)	6
Chess Girls	College Level (INTRA MURAL ANNUAL DAY-2020)	2
Carroms Girls	College Level (INTRA MURAL ANNUAL DAY-2020)	6
Throwball	College Level (INTRA MURAL ANNUAL DAY-2020)	14
KHO KHO	College Level (INTRA MURAL ANNUAL DAY-2020)	20
KABADDI	College Level (INTRA MURAL ANNUAL DAY-2020)	30
[View File](#)		

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	NA	National	Nill	Nill	NA	NA
2019	NA	International	Nill	Nill	NA	NA
2020	NA	National	Nill	Nill	NA	NA
2020	NA	International	Nill	Nill	NA	NA
[View File](#)						

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

Student Council The main role of Student Council is to promote the interests of the students in alignment with that of the college, and involve the students in the affairs of the college. Major objectives: • To enhance communication between students, staff and management. ¬ • To promote an environment conducive to educational and personal development ¬ • To promote camaraderie and respect among students. • To support the management and staff in the development of the college ¬ • To represent the views of the students on matters of general concern, to the college administration/management. The Student Council consists of two representatives from each class (Male /Female). The executive Body of the student council is elected by the class representatives. Functions of the Student Council Representing the views of the student body to the administration is the fundamental aims of Student Council. The college administration talks and listens to the student body, considers their views and concerns. Promoting good communication within the college Improving communication within the college community is a shared responsibility and a Student Council, acting as a bridge between the students and administration. The Student Council plans various events and activities, organizes them with the support of the college administration. Contributing to the enrichment of Learning Environment of the College Student Council contributes to the enhancement of learning experience of the students through various clubs such as • Literary club, • Coding club • Mathematical club • Fine arts club • Photography club • Solar Club • Robotics club • Environment club etc. In

addition, it also facilitates students to participation of students in various technical activities through professional bodies such as • CSI, • IEEE, • IETE, • ISTE, • SAE, etc. It organizes various activities under the aegis of the above professional bodies Mentoring program by senior students The Student Council assists with mentoring of first year students to face the challenges of transition from Plus 2 to professional college. The mentoring program enlists the support of senior students who help the new students in the process of seamless integration, during the transition phase, with the rest of the student's community. Contributing to the development of college policy The Student Council actively contributes to the development of college policy in a wide range of areas namely, • Anti-ragging, • Code of conduct and Behavior • Organizing co-curricular and extra-curricular activities. The Council forms sub-committees to consider various policy issues, consults students and staff on those issues and to represent the Council's views to college management/administration. Assisting college management in sports and cultural activities Student Council assists in organizing sports and cultural activities including: Assisting with NSS activities for development of nearby places Student Council assists in organizing NSS activities of the college, which include conducting various health camps, distribution of school uniforms, books etc. for needy children of nearby villages, distribution of various items at old-age homes, facilitating training of vocational skills. Dean-Student affairs oversees the functioning of the Student Council.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Alumni association of Geethanjali College of Engineering and Technology was registered in February 2010. All the graduated students of the college are registered as alumni members. Whenever a graduated student of the corresponding batch obtains a job or admission to higher education, all the necessary information (in case of job, copy of the offer letter, in case of admission, admission letter, score cards of GATE/CAT/GRE/TOEFL/IELTS etc) is collected and filed so that it can be passed on to the students desirous of pursuing higher education or jobs. It is also passed to other faculty who may use it while giving recommendation / reference letters to students for pursuing higher education or jobs. Faculty are nominated as alumni coordinators. who strive hard for strengthening alumni association by 1. Collecting data of graduated students who have not been able to get a job, against the data obtained from the placements cell. Prepare the list of alumni not placed while in college and have been contacting them and passing information regarding any apprenticeships, jobs available in various organizations etc. 2. Keeping close contact with alumni who went for higher education and enquire vis-à-vis their well being and performance and share the same with the HoD, and the Placements Cell. Passing this information to the students concerned on request. 3. Facilitating alumni and current students to establish a network so that students also may obtain information regarding their career prospects. 4. Keeping close contact with alumni, wishing them on the occasion of their birthdays and wedding anniversary. 5. Facilitating alumni members of various batches to establish a network of alumni for mutual benefit. 6. Contacting alumni and apprising about various activities undertaken by the institute. 7. Requesting alumni to deliver lectures for the benefit of the students (lectures on special topics of relevance, career guidance to students, etc.) 8. Contacting alumni and taking suggestions for curriculum development in line with industry expectations. 9. Contacting alumni regarding various opportunities that may be available to students for internships, placements, etc. in the organizations in which alumni are working as well as in organizations wherein alumni have given contacts and pursued in all earnest.

10. Maintaining a database of the alumni and sharing the same with the Placements Cell regularly, including alumni member's current position, education progress, if any, achievements, if any, job history, etc. 11. Keeping close contact with alumni who went for higher education and enquire vis-à-vis their well being and performance and share the same with the HoD, and the Placements Cell. Pass this information to the students concerned on request. 12. Keeping close contact with alumni, wishing them on the occasion of their birthdays and wedding anniversary. 13. Facilitating alumni members of various batches to establish a network of alumni for mutual benefit. Every year alumni meet is conducted on December 25th, thereby creating a platform to exchange/share their experiences after graduating from the college. They also give suggestions to improve various aspects of the college.

5.4.2 – No. of registered Alumni:

3751

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

1 Meeting organized

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)

Apart from having statutory committees, namely, Governing Body, Academic Council, Board of studies, and Finance Committee. In addition to the above, the following non-statutory committees are formed at college level. Planning and Monitoring Board Grievance Redressal Committee Women Protection Cell College Academic Committee Examinations Committee Admissions Committee Library Committee Student Welfare Committee Students Activities Committee Internal Quality Assurance Cell. The above committees are formed for empowering faculty, grooming potential faculty to take higher responsibilities, and ease of administration of the college Decentralization at Department Over and above, at the department level, the following committees with coordinators are formed for smooth functioning of the department Program Assessment Committee Program Coordinator Class Advisers (Section Advisor) Mentors Course coordinators Departments Industry-Institute-Interaction Committee (IIIC) Technical Events Organizing Committee Department Disciplinary Committee Department Purchase and Budget Committee Quality Assessment Committee Question Paper Evaluation Committee Projects Review Committee Technical Seminar Evaluation Committee Course Evaluation Committee Coordinators / In-charges for the following Time table Alumni Association Placements Cell Examination Branch ` Final Year B. Tech Project One for each section Overall Lab In-charges: one for each lab Weekly reports of faculty for each year Grievance Redress Cell Women Protection Cell Anti-ragging Team members (One each section) Preparation of Laboratory Manuals Department Library Professional Bodies/Societies IEEE, ISTE, CSI/IETE/SAE Guest Lectures Third year Mini-Projects One for each section Overall Project Seminar One for each section Overall Technical seminar One for each section Overall Industrial Visits Internships One for each section Overall Inter-department issues Students' Attendance One for each section Overall Mentors - three mentors for each section One for each year One for overall supervision Class advisors - One for each section News letter, Technical magazine Student Achievement Records - One for overall supervision Student Attendance One for each section Overall Mid-examinations/Lab end examinations

One for each section Overall Students Technical events and workshops - coordinator Value added courses Placements training One for each section Overall Research Activities including publications, FDPs etc NEN activities IQAC NSS and Sports activities Student clubs In addition, each department is structured into three/four groups with each group led by a Senior Professor with 2/3 senior faculty identified as lead faculty of the group facilitating Faculty Mentoring Group Head with lead faculty act as Mentors for faculty of the group. Lead faculty and other faculty of a group interact very closely with the group Head The structure has been promoting A healthy mentor – mentee relationship among faculty More learning opportunities for junior faculty (mentees) Creation of a fairly good talent pool in various areas / specializations of the department Establishment and conduct of creative and innovative experiments in the lab courses Value added teaching – learning process Research culture Better assessment and evaluation of students' performance Establishment of a second rung leadership in various specializations Smooth administration / functioning of the department Over all, the structures and committees at the college and department level have been encouraging faculty to associate themselves with all departmental / college's academic, research, cultural, and other activities.

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

Partial

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
Admission of Students	The Institute is permanently affiliated to JNTU, Hyderabad and admission process is carried out as per the norms laid down by EAMCET (State level common entrance examination) convener. UG admissions in the college are made by Convener-EAMCET. The admissions are based on the state-wide ranks obtained by students in EAMCET entrance exam. Admissions into PG programmes are based on the merit of candidates in GATE, PGCET and ICET conducted by TSCHE. For post graduate programmes, the students are admitted through a common entrance test known as PGCET conducted by the State Government and counselling procedure.
Industry Interaction / Collaboration	Industry interaction has provided opportunity for the students to undergo training and industrial visit, etc. Workshops, trainings, off-campus placements, internships, guest lectures and sponsored projects were carried out with the support of industry. Each Department identifies and invites industry experts to deliver content beyond syllabus and make students aware of the current industry trends. Students are encouraged to take internship programs and visit

		industries to develop the necessary skills. Members from industry are included in department BOS in framing syllabus. Industries extended internships for number of students across the departments. Initiated MOUs with major companies to enhance the learning abilities.
	Human Resource Management	The Institute appoints adequate number of qualified faculty through the procedure of open advertisement and interview by expert committee as per the norms of JNTU Hyderabad. The employees are benefited with CL, EL, ML and EPF etc. The institution encourages employees for higher education and presenting research papers in National/International conferences with financial assistance. The Institute organizes various orientation and enrichment programmes for both teaching and non-teaching staff members for upgrading skills. Priority is given for recruitment of competent faculty members and train them to meet their teaching objectives. Counselling low performing faculty members based on their performance appraisal.
	Library, ICT and Physical Infrastructure / Instrumentation	Central library is fully equipped with adequate no. of text books, reference books and journals. Audio visual room is available in the library to help the students to listen to the lectures delivered on the subjects and NPTEL video Lectures. Department libraries are made available with ample no. of reference books for faculty members and students. The library is open for extended hours. Sufficient no of ICT enabled classrooms are available in the college. The institute has spacious seminar halls for specialized needs. Institute provides training to faculty and students on the advanced tools.
	Research and Development	Institute has well established policy for Research Development. Funding is provided to the students for innovative projects. Faculty members are encouraged to apply for research grants from various Government and non-Government agencies. Few faculty members received funds for their research projects, MODROBs and STTPs/FDPs. The faculty members publish and present their research contributions in National/

		International Journals/ conferences. Incentives and academic leave are given to the authors to publish papers in standard journals and to present papers in the national and international conferences and for attending FDPs. Encouraging faculty members to pursue Ph. D programs by providing necessary softwares.
	Examination and Evaluation	The college conducts two internal assessment tests during the semester through a centralized Examination Cell. Assignments and unit tests are conducted as a part of continuous evaluation system per semester. The semester end exam question papers are received from external paper setters whose names are approved by Principal. The evaluation of answer scripts is done by external faculty from reputed institutes. The results committee meets to finalize and announce results, which has University nominee. Blooms TAXANOMY is used while framing the questions for MID term Examinations and Semester end examinations.
	Teaching and Learning	Arranged brain storming sessions for faculty members for the improvement in teaching learning process. Students and faculty members are encouraged to participate in MOOCs and NPTEL courses. Technical seminars and tutorial sessions were held for analytical courses. Personality development sessions were held for all the students. Campus recruitment training was given to improve the students' communication and analytical skills to appear for exams like GATE, GRE, IELTS, TOEFL, etc. and to get placements. Remedial lectures were held for slow learners. Facilitating faculty members to upgrade their skills and knowledge through enrichment courses and encouraging the faculty to pursue PhD.
	Curriculum Development	As per the UGC norms and after due consideration of the recommendations of the departmental committees and Stakeholders, the respective Boards of Studies of different departments have developed new curricula updating the syllabi and has been implemented for First Year B.Tech, M.Tech and MBA. Soft core subjects are provided with laboratory work which facilitates students to choose specializations. Raptor tool is introduced in the B.Tech

	first year, to help students to have a deeper understanding of the logic building, visualize the algorithms they develop and avoid syntactic errors in programming. We also provide BEC Course to enhance student's articulation skills.

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

E-governace area	Details
Planning and Development	Student attendance
Administration	Staff attendance, Maintenance of HR module
Finance and Accounts	Automated System
Student Admission and Support	Automated System
Examination	Examination section is headed by Controller of Examinations. BEEs Examination software tool is used for all examination related works related

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
2020	E.Hima Bindu	International conference	IEEE	2000
2020	G.Srikanth	International conference	IEEE	2000
2020	Dr. N.RaviShankar	2nd International Conference on Computing Analytics and Networking(ICCAN)	NA	3000
2020	A.Geetha Rani	ICMM-Conference	NA	3000
2020	Dr B L Prakash	International Conference	NA	3500
2020	Dr.P.Vijai Bhasker	International Conference	NA	5000
2020	Dr.C.V.Narasimhulu	International Conference	NA	5000
2020	Dr. V.Satya Srinivas	International Conference	NA	5000
2020	G.Vani sri, D Divya vani, M srujan Kumar	ICTIEE2020 (CONFERENCE)	NA	6000

2020	Dr.P.Harsha praneeth Mr. S.Hari kiran	Regional Research Symposium on PBL	NA	15000

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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	FDPs/PBL /Seminars/ Workshops etc.,	Online Staff deve lopment program to enhance basic language skills	24/06/2019	15/06/2020	193	29

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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
NAAC Assessment and Accreditation: A step by step Process	2	28/05/2020	30/05/2020	3
Real Time Har dware-in-the- Loop (HIL) simulation for Power Electronics and Power Systems	8	27/05/2020	29/05/2020	3
Recent Trends in Electrical Engineering.	1	27/05/2020	29/05/2020	3
Artificial Intelligence and Machine Learning	31	25/05/2020	30/05/2020	6
ARTIFICIAL INTELLIGENCE	28	22/05/2020	26/05/2020	5
PHP MYSQL	23	18/05/2020	23/05/2020	6

PEER-MATH Power Electronics Applications in Energy Resources Using Mathwork	21	16/09/2019	18/09/2019	3
Automation and Robotics	18	24/06/2020	30/06/2020	6
Buisness Analytics Using Python	18	22/06/2020	26/06/2020	5
IPR Awareness and Prosecution	13	06/05/2020	10/05/2020	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
32	32	23	23

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
15	2	12

6.4 – Financial Management and Resource Mobilization

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

External financial audit: The college conducts external Financial Audit by a Chattered Account every year. The audit observations submitted to the management by the auditing company are examined carefully and corrective actions taken, where required. The Financial statements namely income and expenditure account and balance sheet are filed with the income tax returns to the IT department every year. All the audit reports have been found to be in order, but for a few minor errors of omission due to oversight by the accounting personnel. These errors are rectified and new systems are introduced by way of strengthening financial accounting and budgetary control systems. Internal financial audit: The college constitutes separate internal committees for conducting verification of assets/capital equipment and for financial audit. Following stock verification by the committee and based on shortages reported, if any, action for write-off is taken with the approval of competent authority and the items are removed from the asset registers. Similar action is taken in respect of books/journals/documents. The internal audit committee, besides inspecting the books of account and records maintained by the finance department evaluates internal control system, particularly in respect of purchases, scholarships etc. The audit report is submitted to Principal/Secretary and follow up action is taken by departments concerned by closing the deficiencies and making changes in systems and procedures as called for.

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

Teja Educational Society	3676927	R D Projects, Student Projects, Student Technical Activities,FDPs, Guest Lectures, Faculty Paper publication incentives, Seminars and Workshops

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6.4.3 – Total corpus fund generated

66975803

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	No	NA	Yes	A Committee appointed by Principal
Administrative	No	NA	Yes	A Committee appointed by Principal

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

1. At least, two Parent-Teacher meetings (PTMs) are conducted in each semester to provide inputs to parents regarding student learning. 2. In addition, Head of the Institution, HoDs and teachers interact with the parents as and when required to communicate academic progress, attendance and other behavioural issues, if any. 3. Some parents also provide feedback on curriculum development, teaching learning, research and infrastructural facilities, library, sports and canteen facilities, etc., which contribute to the overall development of the Institute. In the Academic year 2019-20 the following: PTMs were held for II, III and IV B.Tech. of all departments. PTM held during 2019-20 ODD SEM: 21/07/2019 and 29/09/2019 PTM held during 2019-20 EVEN SEM: 16/02/2020 For I B.Tech students: 2019-20 ODD SEM: 15-09-2019, 24-11-2019 I B Tech EVEN SEM: 16-02-2020

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

1. The supporting staff is encouraged to upgrade their skills by being deputed to relevant authorized /recognized training centres in their respective trades/fields. 2. Support staff is given training on college's MIS. 3. Training has been given on use of fire extinguishing systems. 4. Online Staff development program to enhance basic language skills (HS Total attended:52(non-Teaching staff)

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

1. The supporting staff is encouraged to upgrade their skills by being deputed to relevant authorized /recognized training centres in their respective trades/fields. 2. Support staff is given training on college's MIS. 3. Training has been given on use of fire extinguishing systems. 4. Online Staff development program to enhance basic language skills, Total attended:52(non-Teaching staff) 5. Established centers of excellence in VLSI Design and IOT where in students are trained in emerging areas related to these. 6. Organized an International conference on Multifunctional materials. 7. College initiated

a drive to train the students right form II year onwards to strengthen the coding skills aimed at obtaining placements in reputed organizations. 8. Effective steps were taken to handle the pandemic situation by conducting online classes and tests. 9. Faculty and students are encouraged to participate in enhancing their knowledge base in the relevant disciplines 10. Provision was made available to sustain the class work in online mode to complete the remaining syllabus of 2019-20 II Semester.

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	No

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	Seminar on HR Conclave	14/09/2019	14/09/2019	14/09/2019	202
2019	Guest Lecture on Career Orientation	24/06/2020	24/06/2019	24/06/2019	132
2020	Guest Lecture on 5G Eco Sytems	02/12/2020	02/12/2020	02/12/2020	124
2020	Guest Lecture on Artificial Intelligence	02/08/2020	02/08/2020	02/08/2020	120
2020	Creo Parametric and Creo simulation	15/02/2020	15/02/2020	28/03/2020	86
2020	Do your Entity with IoT	14/02/2020	27/02/2020	29/02/2020	85
2019	Guest Lecture on Block Chain technology and its future uses	17/09/2019	17/09/2019	17/09/2019	80
2019	Power Electronics Applications in energy Resources using MAT LAB	09/09/2019	16/09/2019	18/09/2019	78
2019	Guest	16/09/2019	16/09/2019	16/09/2019	75

| 2020 | Guest Lecture on Safe and Trusted Unmanned Air Transportation | 18/02/2020 | 18/02/2020 | 18/02/2020 | 75 |

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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
All Hyderabad AHWIESC	05/03/2020	07/03/2020	120	60
International Women's Day	07/03/2020	07/03/2020	110	22
IGNITE-19, IEEE-WIE-STAR PROGRAM	30/12/2019	30/12/2019	78	42

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
85

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	2
Provision for lift	Yes	400
Ramp/Rails	Yes	2
Rest Rooms	Yes	2
Scribes for examination	Yes	2

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	10/06/2019	14	"Better Spoken English and MS-Office" Program	Spoken English and computer literacy was improved	7
2019	1	1	12/07/2019	1	"Dental Camp" in association with ARMY COLLEGE OF DENTAL SCIENCES –Secunderebad.	Dental health of the people of near by villages is addressed	225
2019	1	1	19/07/2019	1	Donation of Stationary to Govt.Priamary Schools-Cheeryal.	Students of governament school cheeryal got benifited	51
2019	1	1	26/07/2019	1	"Dental Treatment" Program was conducted in Army College of Dental Sciences	Dental health of the people of near by villages is addressed	39
2019	1	1	16/08/2019	1	"Haritha Haaram" Program	Environmental sustainability ensured	169
2019	1	1	15/07/2019	126	Cutting and Tailoring Classes for women (Cheeryal and Yadgarpally villagers)	Unemployed women villagers of Cheeryal and Yadgarpally got benfited	2
2019	1	1	03/12/2019	140	Teaching and Helping Hands to Govt Primary	Trained primary school students of Cheeryal,Yadgar Pally,Thi	68

| 2020 | 1 | 1 | 15/02/2020 | 1 | Blood Donation Camp in Association with LIONS CLUB-Jubliee Hills. | Donated to blood bank which will save the lifes of needy people | 21 |

(Schools of near by villages(Cheeryal,YadgarPally,ThimmaiPally,KundanPally,Godhumakunta and Karim Guda)by GCET-Students. | mmaiPally,KundanPally,Godhumakunta and KarimGuda)

7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
HR Policy document where in code of conduct and discipline for both faculty and students and administrative procedures	01/07/2019	HR Policy handbook was published in July 2015 and updated periodically as deemed fit.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Universal Values and Ethics	05/08/2019	08/08/2019	1170

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

• Geethanjali College of Engineering and Technology is located in a serene environment. The college is away from the hustle and bustle of the city. It is located in a lush green campus. GCET Management is cognizant and extremely serious about conservation of environment. We are committed to promote a clean and green environment fostering creativity and originality. • Geethanjali believes in 'Innovation is life.' With this in mind, to support the theoretical knowledge gained, practical exposure is provided for students. This amalgamation of theory and practice enhances confidence and also creativity among the students. • The college conducts Green audit of its campus. The faculty teaching environmental science carry out the audit. They set objectives of the audit and standards for good environmental management. They evaluate the practices in the college with respect to the laid down standards for the criteria of management and recommend corrective actions where necessary. • Large scale plantation is done to balance the emissions and earn adequate carbon credits. Plantation/Greening Drives, Plantation programme has been taken up by the ECOCLUB unit to increase the Green Cover in the village. Every year,

tree plantation is carried out for making the campus green. • Eco-club ECO CLUB: 'Save Today – Survive tomorrow' is the motto of our Eco-Club. The committee works towards creating awareness of the hazards of environmental pollution among the students and involving them in tasks to minimize wastage of water, usage of plastics and increase of green cover. The club's motto is "Geethanjalites Go Green (GGG)". • As a part of Adhira foundation, ECOCLUB has organized many Eco-friendly events. Environmental consciousness is spread among the students and the villagers. The students actively involved in creating awareness towards environmental issues while celebrating Diwali festival. The institution is aware of its responsibilities in protecting the environment and conducts Green Audit of its campus and facilities. • In view of pandemic situation, the college campus is sanitized time to time keeping in view of the safety of faculty members and students and to avoid spreading of Corona virus. • Thermal screening is deployed at the entrance of College gate to prevent spreading of Corona virus. Geethanjali college is well aware of environmental sustainability. Every year we distribute Ganesh idols (made with clay) to faculty to reduce the pollution.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice I TRAINING PROGRAMS UNDER PARTICIPATIVE LEARNING It is the dream of every engineering student to get placed in a top organization with a good salary package. Career goals of students can be shaped through imparting proper Training. In GCET, Students are provided with career guidance, training, awareness and opportunities through Centre for Advancement of Career and Human Excellence (CACHE) of the institute. As Information Technology is a major segment of technical industry, IT sector has a very high job potential. An employer in IT industry expects good programming skills and competency from the employee. The aspirants for a career in Coding area should concentrate on gaining an intensive knowledge in SQL databases and programming languages such as Java, Javascript, XML, Python, C, C#, and C, along with becoming well-informed about operating systems and platforms such as Windows and .NET, iOS, and Linux. Keeping these in view, it is recognized that training in the area of coding is important for the students to enhance their employability skills and achieve good placement in various Industries. In this direction, the institute is offering Intensive Training in programming and in Emerging areas of technology such as Artificial Intelligence, Machine Learning, Internet of Things, Robotic Processes and Automation, Cloud Computing and Web development. These training programs are being introduced to students from the second year of their course itself. These training programs under various domains are being offered to the students as per their interests and abilities. These Training sessions are conducted in participative learning mode. Faculty members also attend all the sessions along with the students. A group of students of each field of Training are assigned as mentees to a faculty member, who will be the Mentor for that group of students. The Mentor has a great role to play in this participative learning programs. 1. Mentor attends Training Program and takes part in it enthusiastically along with the mentees. a. If any of the mentees is/are absent, the mentor will talk to the student and motivates the mentee/s to actively participate in the training program. b. The same will be brought to the notice of Parent(s) of the ward/s, Event coordinator, and the concerned Head of the Department. c. If student is found absent frequently, Head of the Department will be informed, who in turn speaks to the student and parent, thereby encourages the mentee towards the successful completion of the programme. 2. Mentor carries out all the exercises / assignments given by the resource person of the training program and also checks whether the respective mentees are able to solve the same. a. If either the Mentor or Mentees are not able to solve the exercises, the mentor discusses with the resource person and

ensures the difficulties are resolved and the task is completed. b. The same will be informed to the concerned program coordinator, and head of the Department through a weekly report submitted on the progress made. 3. Mentor works on the project(s) given and executes the same, along with the Mentees through fruitful Mentor-Mentee discussions. 4. After successful completion of the Training programs, Mentor keeps the mentees active in their chosen domain of training by identifying some innovative projects that can be presented or exhibited in Hackathons / Project Exhibitions etc. and involving the mentees in such activities. 5. Mentor along with the mentee(s) will approach the industry personnel/Resource persons of the training programs for any further value additions required. Such training programs will help the students and faculty also to get acquainted with the Emerging technologies and developments. This Participative learning method has resulted in increased percentage of placements of the institute. Best Practice II STUDENT MENTORING SYSTEM While there are quite a number of models of student mentoring at colleges, our mentoring model is a one-to-one system, highly structured to suit the profile of the student community taking admission in our college. It has won the appreciation of the accreditation bodies during their visit to our college, in the course of assessment for accreditation. Its goals include addressing issues of students such as: • Attendance • Academic performance • Assignment completion in time • Positive behaviour • Positive attitude towards learning • Participation in co-curricular and extra-curricular activities • Career guidance • Problem solving skills / Conflict management. A feature of our model is that the mentors are also mentored by senior faculty of the college and trained in mentoring so that the students and their mentors have a productive conversation and meeting. A detailed procedure for mentoring is provided to the mentors so that there is consistency in the mentoring style of the mentors. The procedure laid down varies with the year of study of the students and are designed to meet the varying needs during different stages of their four-year study period. The mentoring procedure which the mentors follow is briefly described below: Preparing for Mentoring: The mentor collects the following information about the student mentees: • Previous academic record, his/her educational experience. • The strengths and weaknesses as perceived by the mentees themselves. • Any concerns/anxieties he/she would like to share. • His / Her objective in choosing the B. Tech Program for study. The mentor then makes a personal assessment of each mentee's strengths and weaknesses. Mentoring of I year students: • Discuss and stress the importance of: ? Regularity and attendance, and devoting 2 to 3 hours a day for studies ? Active participation in the class activities, including laboratory work, such as tutorials, learning in groups (peer learning), solving quizzes etc aimed at acquiring problem solving skills, mathematical ability, communication skills, teamwork and leadership skills. ? Participation in various co-curricular and extracurricular activities conducted in the college, and a few other institutions of repute. • Support the mentee's exploration of new area of study and interests • Appreciate the mentee's efforts, where due • Support the mentee's involvement in campus activities, without losing focus on academic activities • Create awareness that Centre for Academic and Career Guidance can help in identifying their skills, interests, and abilities based on their psychometric test results and guides them accordingly. Mentoring of Second year students Mentoring is done in the understanding that at this stage the students begin to explore career options (M. Tech / M S Program abroad, MBA, Engineering services, Civil services etc) more seriously and that they need to read a broad range of subjects for attaining their goals. The mentees are counselled to: • Talk with senior faculty and career advisers elsewhere about various opportunities. • Engage in wide reading which may include English Literature, History, Philosophy etc, as this will facilitate acquiring employable skills such as: problem solving skills, oral and written communication skills, ability to analyze and synthesize, and even research skills. • Learn a foreign language

and develop computer programming skills as, given the nature of today's job market, these skills would enhance their chances of landing their dream job. Mentoring Third year students • Stress the importance of exploring the various career options through summer internships, adjunct courses, volunteering service to local community and junior students on the campus. Mentoring Final Year students The mentors understand that in the final year of the program, the students begin to earnestly search for job opportunities or opportunities for Postgraduate studies. The mentors also keep in mind that the students study advanced courses in their branch, and shoulder responsible roles on campus and in volunteer activities, and, therefore, constantly assist and guide them in prioritizing the various activities. They support the mentees by organizing / providing. • Workshops and helping with resume and cover letter writing, useful tips on facing interviews, and other job-related skills. • Individual and group career counselling • On-campus placement opportunities • Connecting with Alumni or mentor programs

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

http://geethanjaliinstitutions.com/engineering/img/downloads/iqac-bp2019-20.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

Vision: "Geethanjali visualizes dissemination of knowledge and skills to students, who would eventually contribute to the well-being of the people of the nation and global community." We believe that every student can learn and possesses three qualities: an inclination to learn, a strong self-motivation to excel, a passion to contribute to technological development, which are to be nurtured carefully. We, at Geethanjali college of Engineering and Technology, therefore, transformed the Traditional Education, which is teacher centric to a student centric, by carefully crafting the content delivery mechanism, through innovative teaching-learning practices, making students more curious, we create knowledge holes for students to fill. Learning is made enjoyable by creating the seeds of curiosity in the students, who explore their ideas through hands on and in the process some of them become researchers, in addition to acquiring several skills. Our Teaching-Learning Process involves use of a few simulations of Real-world Learning, Teaching outside the classroom, Project based learning and Collaborative learning. Teaching through simulations facilitates explanation and strengthening of complex concepts, attracting and retaining learners attention, generating interest among students It is observed that this process of content delivery has made the students retain the concepts for longer period of time as "real world problems are brought into classroom" by way of simulating a real-world experience". Teacher takes up a real-world example with reference to an application. Teachers prepare a few physical models wherein some topics of the course are mapped to a module of the selected application. Such case studies are enhancing the understanding levels of the students and are able to appreciate the learning process. This is further substantiated by the concept of teaching outside the classroom through industrial visits, and field trips to have a glimpse of what engineers do, the process and language of engineering design, and non-technical side of engineering, particularly environmental issues so important for sustainable societal development. Project (Problem) based learning is another effective pedagogy followed in our institute. Here, students learn through assignments given based on real world problems, which provide an opportunity for them to apply their knowledge providing various solutions for the task given to them. This enhances their analytical thinking and help them in retaining the content over longer time. Peer learning and collaborative learning are other methods

employed as it is our belief that some students prefer to learn from their peers and they do so more quickly. All these methodologies helped in students attaining the Graduate outcomes, namely, problem analysis, investigation, design, use of engineering tools, individual and team work, professionalism, impact of engineering on society and environment. This has also resulted a fruitful outcome through increased number of students participating in various Technical design competitions and Hackathons addressing the societal needs with confidence at national and international levels. Thus, we at Geethanjali are moving in a path that leads to effective knowledge dissemination and increased retention levels among the students, who, therefore, can contribute for the well-being of the nation.

Provide the weblink of the institution
http://www.geethanjaliinstitutions.com/engineering/img/downloads/iqac-idv.pdf

8.Future Plans of Actions for Next Academic Year

1. Train at least 100 faculty members on Project based learning and assessment with 35 faculty from CSE and IT put together, 25 from ECE, 10 each from CE, EEE, ME, and Freshman Engineering to take up this TLP much more aggressively than we did in the previous academic year. 2. At least a couple of patents to be published. Improving quality of publications, at least a couple of articles in more reputed journals such as Springer, Elsevier etc. 3. Initiate collaborative research with institutes of higher learning for an increased interaction with more number of reputed institutes. Towards this end, propose to initiate faculty research seminars with at least two faculty presenting seminar every week. Also propose to dedicate one day in a week in each department with No class work exclusively for conducting research involving all those with Doctorates, those pursing Ph.D, and others to carryout innovative and creative projects with students. 4. Providing training on emerging technologies such as Artificial Intelligence, Machine Learning, IoT, Blockchain Technologies, etc across all students irrespective of their discipline for better employability. Towards this end, establish laboratories in these areas. 5. Also intend to provide a large number of faculty intensive training on the above mentioned emerging technologies by inviting experts from IITs, IIITs, central Universities, industries and RD establishments. 6. Encourage students to look solution for any problem from the point of of automating it (Student to be mentored that solution to any problem through Automation is the order of the day, home automation to space applications, everything requires programming, has the highest value), requires exceptionally good programming skills. 7. A more concerted career oriented mentoring is conducted transforming student outlook to be more innovative and creative for a better professional life. 8. Propose to include Design Thinking as a course in first year itself to all students. Identify highly passionate students, pair them with highly passionate teachers to take up innovative and creative projects through interaction with community, industry and as well as through T-Hub. Facilitate these students with all the resources that are needed for their ideas to be incubated. 9. Plan to incubate at least one idea into a product that would enable us to patent it and put into use as a trial in the area, where the college is located. 10. Plan to involve at least a handful of students in the research projects currently under execution. Encourage more number of faculty apply for research projects pairing senior faculty with middle level faculty. 11. Identify strengths of each department and establish a center of excellence in an area in which the department has the department is strongest. Facilitate the students interested in this area to carryout projects which may result in a few publications. 12. Plan to establish in each department one RD lab, one project lab (two if needed), one seminar hall, one discussion room with round tables to facilitate discussions on various issues. Discussions should vary from technical topics to current affairs.