



# 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				

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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/iqac.htm
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
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Cycle	Grade	CGPA	Year of Accrediation	Vali	dity
				Period From	Period To
1	A	3.36	2017	09-Jun-2017	08-Jun-2022

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						
lte	Item /Title of the quality initiative by IQAC Date & Duration Number of participants/ beneficiaries						
	No Data Entered/Not Applicable!!!						

# <u>View File</u>

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

No Files Uploaded !!!				
9. Whether composition of IQAC as per latest NAAC guidelines:	Yes			
Upload latest notification of formation of IQAC	<u>View File</u>			
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	<u>View File</u>	
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No	
12. Significant contributions made by IQA	C during the curre	nt year(maximum five bullets)
No	Data Entered/N	Not Applicable!!!
	View	File
13. Plan of action chalked out by the IQA outcome achieved by the end of the acad		of the academic year towards Quality Enhancement and
Plan of Action		Achivements/Outcomes
Nc	Data Entered/	Not Applicable!!!
	View	File
14. Whether AQAR was placed before statutory body ?	Yes	
Name of Statutory Body		Meeting Date
Academic Council Meet	ing	25-Jan-2020
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No	

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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. 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

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Name of Programme	P	rogramme Code	Programme	Special	ization	Date of Revision
	No Data	Entered/Not App	licable !!!			
		<u>v</u>	<u>'iew File</u>			
.1.2 - Programmes/ course	s focussed o	n employability/ entr	epreneurship/ skill d	evelopr	nent during the A	Academic year
Programme with Code	Programm	e Specialization	Date of Introduction	Cou	Irse with Code	Date of Introductio
	No Data	Entered/Not App	plicable !!!			
		<u>v</u>	'iew File			
1.2 - Academic Flexibility	,					
.2.1 - New programmes/co	urses introd	uced during the Acad	emic year			
		Programme Specialization		Dates	of Introduction	
Programme/Cours	e	Programm	e specialization		Dates	
-		Programm ed/Not Applicab	-			
-		ed/Not Applicab	le !!!		Dates	
No Da	ata Enter	ed/Not Applicab	le !!! /iew File			
-	ata Enter	ed/Not Applicab	le !!! /iew File	System i		
No Da	n Choice Bas	ed/Not Applicab	le !!! <u>riew File</u> CS)/Elective Course S	-	implemented at	the College level durin
No Da 1.2.2 - Programmes in which he Academic year.	n Choice Bas	ed/Not Applicab	le !!! <u>riew File</u> CS)/Elective Course S	-	implemented at	the College level durin Elective Course System
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Value Added Courses	Date of Introdu	ction Numbe	er of Students Enrolled
	No Data Entered	/Not Applicable !!!	
	Vie	ew File	
.3.2 - Field Projects / Internsh	ips under taken during the year		
Project/Programme Title	Programme Specialization	No. of students enrolled for	or Field Projects / Internships
No Data Entered/N	Not Applicable !!!		
	Vie	ew File	
1.4 - Feedback System			
.4.1 - Whether structured feed	back received from all the stake	eholders.	
Students			Yes
Teachers			Yes
Employers			Yes
Alumni			Yes
Parents			Yes
1.4.2 - How the feedback obtain	ned is being analyzed and utilize	ed for overall development of the	e institution? (maximum 500 word
Feedback Obtained			
various processes and Teaching-Learning Proc Course End survey C Course End survey C Course outcomes • Graduates The Professional Societies Feedback on the above to 5 and final in the following parameters:	takes necessary action cess (TLP) [] Teaching entral facilities • Alua just at the time of the s members Feedback on T two aspects is taken to penultimate week of the	mni and Recruiters on c ir graduation (Graduate LP and central faciliti wice in a semester, pre- e semester. Feedback on asm to teach 2. Subject	<pre>pment: • Students □ view committee meetings □ urriculum and program exit survey) • es of the college: liminary, between week 4 TLP is taken on the knowledge 3. Clarity and</pre>

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  $\Box$ 

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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
	No Data Entere	ed/Not Applicable !!	!	
		View File		
2 - Catering to Stude	nt Diversity			
2.1 - Student - Full time	e teacher ratio (current ye	ar data)		

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Year	Numbe students e in the inst (UG	ulltime teachers the institution nly PG courses	Number of teachers teaching both UG and PG courses								
2019         3549         126         242         15         5											
2.3 - T	eaching - L	earning	g Process								
	Percentage nt year data		ners using ICT for eff	ective teaching with Le	earning N	lanagement Sy	vstems (LMS), E-le	arning resources etc.			
Number of Teachers on RollNumber of teachers using ICT (LMS, e-Resources)ICT Tools and resources availableNumber of ICT enabled ClassroomsNumberof smart classroomsE-resources and techniques used											
			No I	Data Entered/Not	Applic	able !!!					
			View	File of ICT Tool	s and	resources					
			Viow File	of E-resources	and to	chnimus u	usod				
	<u> </u>					-					
2.3.2 -	Students m	entoring	system available in	the institution? Give de	etails. (m	iaximum 500 v	vords)	1			
ass Men Prior t In the whic interp studer help t acad en direct cel aware Th ind	igned aroun tors establis o the placed above proce ch results in personal rela- nts in the in he students lemic exper courages pe- ions. Studer l of the coll- eness toward ne centre pr ividual help	d 15 stud sh interp ment dri ess, the getting ationship stitute a to get a iences of er learn at mento ege aims ds focusi ovides a with res	dents for mentoring. ersonal relationships ves, the college arra mentors play a key r a greater number of o, which evolves over nd continues until th djusted with the diff f new students, know ing. It involves need ring system is in place s to train the student ng on their choices of ssistance in preparat	thers and mentors for c Mentors guide their me with mentees to help nges rigorous training to ole in monitoring their quality placements. Me time. Mentor plays a v ey come out of the ins erences in culture, eth ving about their aims an analysis of the student to for year wise student of careers by providing tion for the job search of r writing, interviewing to web sites with links	entees in them in attendar entor and vital role titute wi inicity ar nd objec s and he ts as per ce and ac updated offering , and oth	a attaining the developing the developing the technical and nce, attentive d mentee syste in building th th the flying c d gender. Mer tives in taking lping the stude their needs. C dvice for their information a through some ner job-search	ir academic and p eir career and well soft skills by iden ness and performate em ensures that the self-confidence colours. Present m ntoring starts with up B.Tech course ents to guide them Career and Acader future career pro- bout job opportur of the following: skills • Individual	rofessional goals. I-being in general. Itified professionals. Ance on regular basis hey have a healthy of the newly joined entoring system also finding the previous . Mentoring system in their desired nic Guidance (CACG) ospects. It creates hities and resources. • Workshops and and group career			

positions positions positions year Ph	culty with h.D 3 ternational o, received
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 fac Ph         32       32       Nill       32       32       1       32       33         2.4.2 - Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, Int level from Government, recognised bodies during the year )       Designation       Name of the award, fellowship, from Government or recognize         Year of Award       Name of full time teachers receiving awards from state level, national level, international level       Designation       Name of the award, fellowship, from Government or recognize         No Data Entered/Not Applicable !!!!       View File       View File       View File         2.5.1 - Number of days from the date of semester-end/ year- end examination till the declaration of results during the Programme Programme Semester/       Last date of the last semester-end/       Date of declaration of results of sem	h.D 3 ternational <b>0, received</b>
No. of sanctioned positionsNo. of filled positionsVacant positionsPositions filled during the current yearNo. of fac Ph3232Nill32322.4.2 - Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, Int level from Government, recognised bodies during the year )3233Year of AwardName of full time teachers receiving awards from state level, national level, international levelDesignationName of the award, fellowship, from Government or recognizedView File2.5. Evaluation Process and Reforms2.5.1 - Number of days from the date of semester-end/ year- end examination till the declaration of results during the last date of the last semester-end/Date of declaration of results of semeProgrammeProgrammeSemester/Last date of the last semester-end/Date of declaration of results of seme	h.D 3 ternational <b>0, received</b>
positionspositionspositionsyearPh3232Nill32322.4.2 - Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, Intlevel from Government, recognised bodies during the year )3232Year of Award Internetional level, national level, international levelDesignationName of the award, fellowship, from Government or recognizedView File2.5 - Evaluation Process and Reforms2.5.1 - Number of days from the date of semester-end/ year- end examination till the declaration of results during theProgramme Programme Semester/Last date of the last semester-end/Date of declaration of results of semester-end/	h.D 3 ternational <b>0, received</b>
2.4.2 - Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, Intlevel 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, from Government or recognize         No       Data       Entered/Not       Applicable       !!!         View       File         2.5 - Evaluation       Programme       Semester/       Last date of the last semester-end/       Date of declaration of results of sem	ternational
Ievel 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, from Government or recognized         No       Data       Entered/Not       Applicable       !!!         View       File         2.5 - Evaluation       Programme       Semester/       Last date of the last semester-end/       Date of declaration of results of semester	, received
Award       level, national level, international level       Designation       from Government or recognized         No       Data       Entered/Not       Applicable       !!!         View File         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         Programme       Programme       Semester/       Last date of the last semester-end/       Date of declaration of results of sem	
View File         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         Programme       Programme       Semester/       Last date of the last semester-end/       Date of declaration of results of sem	
<ul> <li>2.5 - Evaluation Process and Reforms</li> <li>2.5.1 - Number of days from the date of semester-end/ year- end examination till the declaration of results during the</li> <li>Programme Programme Semester/ Last date of the last semester-end/ Date of declaration of results of sem</li> </ul>	
<ul> <li>2.5 - Evaluation Process and Reforms</li> <li>2.5.1 - Number of days from the date of semester-end/ year- end examination till the declaration of results during the</li> <li>Programme Programme Semester/ Last date of the last semester-end/ Date of declaration of results of sem</li> </ul>	
2.5.1 - Number of days from the date of semester-end/ year- end examination till the declaration of results during theProgrammeProgrammeSemester/Last date of the last semester-end/Date of declaration of results of semester-end/	
Programme Programme Semester/ Last date of the last semester-end/ Date of declaration of results of sem	
	-
	nester-end
No Data Entered/Not Applicable !!!	
<u>View File</u>	
2.5.2 - Average percentage of Student complaints/grievances about evaluation against total number appeared in the ex during the year	examination
Number of complaints or grievances about evaluation Total number of students appeared in the examination	Percentag
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 and displayed in website of the institution (to provide the weblink)	

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http://www.geethanjaliinstitutions.c	om/engineering/
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2.6.2 - Pass p	percentage of	fstudents							
Programme Code	ProgrammeProgrammeNumber of students appeared in the final year examinationNumber of students passed in final year examination								
		No Da	ta Entered/Not Ar	plicable !	11				
			View	File					
2.7 - Studer	nt Satisfactio	on Survey							
	ent Satisfaction e provided as		n overall institutional pe	erformance (In	stitution may	/ design the qu	estionnaire	e) (results	
1	nttp://www	<u>r.geethanjali</u>	institutions.com/	'engineerir	ng/img/dow	mloads/iqa	.c-sss.pc	lf	
CRITERIO	N III - RESE	ARCH, INNOVA	TIONS AND EXTENSION	N					
8.1 - Promo	tion of Rese	earch and Facilit	ies						
8.1.1 - The i	nstitution pro	vides seed mone	y to its teachers for rese	earch					
	Yes	}							
Name of t	he teacher g	etting seed mon	ey The amount of se	eed money	Year of rece	eiving grant	Duration of	of the grant	
	Nil	1	Nill		Ni	11	N	111	
			View	File					
8.1.2 - Teach	ers awarded	National/Interna	tional fellowship for adv	vanced studies	/ research d	uring the year			
Туре	Name of the	teacher awarded	d the fellowship	Name of the	award D	ate of award	Award	ing agency	
		1	No Data Entered/N	ot Applica	ble !!!				
			View	File					
8 7 - Resour	rce Mohiliza	tion for Researc							
			vived from various agence	cies, industry a	and other org	anisations			
				·		,			
	he Project	Duration Name	of the funding agency	Total grant	sanctioned	Amount reco	eived duri	ng the vear	

3.3.1 - Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during year         Title of workshop/seminar       Name of the Dept.       Date         No       Data Entered/Not Applicable !!!       Date         View File       Sa.2 - Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year       Date of award       Categor         Title of the innovation       Name of Awardee       Awarding Agency       Date of award       Categor         No       Data Entered/Not Applicable !!!       View File       View File       Sa.3.3 - No. of Incubation centre created, start-ups incubated on campus during the year       View File       Sa.3.3 - No. of Incubation centre created, start-ups incubated on campus during the year       Incubation Center       Name       Sponsered By       Name of the Start-up       Nature of Start-up       Date of Commencement         No       Data Entered/Not Applicable !!!       View File       Sa.4 - Research Publications and Awards       View File				View	<u>v File</u>			
3.3 - Innovation Ecosystem         3.3.1 - Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during year         Title of workshop/seminar       Name of the Dept.       Date         No Data Entered/Not Applicable !!!       View File       Sa.2 - Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year       Date of award       Categor         Title of the innovation       Name of Awardee       Awarding Agency       Date of award       Categor         No Data Entered/Not Applicable !!!       View File       Sa.3 - No. of Incubation centre created, start-ups incubated on campus during the year       Incubation Center       Name       Sponsered By       Name of the Start-up       Nature of Start-up       Date of Commencement         No Data Entered/Not Applicable !!!       View File       Sa.4 - Research Publications and Awards       Sa.4 - Research	3.2.2 - Number of ongo	ing research	projects per t	eacher funded	by governme	ent and non-gove	ernment agencies d	uring the years
No Data Entered/Not Applicable !!!         View File         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       Categor         No Data Entered/Not Applicable !!!       No Data Entered/Not Applicable !!!       View File       3.3.3 - No. of Incubation centre created, start-ups incubated on campus during the year       Incubation Center       Name       Sponsered By       Name of the Start-up       Nature of Start-up       Date of Commencemen         No Data Entered/Not Applicable !!!         View File         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					11			
Title of workshop/seminar     Name of the Dept.     Date       No Data Entered/Not Applicable !!!     View File       3.3.2 - Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year     Title of the innovation won by Institution/Teachers/Research scholars/Students during the year       Title of the innovation     Name of Awardee     Awarding Agency     Date of award     Categor       No Data Entered/Not Applicable !!!     View File       3.3.3 - No. of Incubation centre created, start-ups incubated on campus during the year     Date of Commencement       Incubation Center     Name     Sponsered By     Name of the Start-up     Nature of Start-up     Date of Commencement       No Data Entered/Not Applicable !!!     View File       3.3.3 - No. of Incubation centre created, start-ups incubated on campus during the year     Date of Commencement       No Data Entered/Not Applicable !!!     View File       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	3.3 - Innovation Ecos	ystem						
No Data Entered/Not Applicable !!!         View File         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       Categor         No Data Entered/Not Applicable !!!       No Data Entered/Not Applicable !!!       View File       3.3.3 - No. of Incubation centre created, start-ups incubated on campus during the year       Incubation Center       Name       Sponsered By       Name of the Start-up       Nature of Start-up       Date of Commencemen         No Data Entered/Not Applicable !!!         View File         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	•	inars Conduc	ted on Intelle	ctual Property F	Rights (IPR) a	and Industry-Aca	demia Innovative p	ractices during
View File         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       Categor         No Data Entered/Not Applicable !!!       View File       Sa.3.3 - No. of Incubation centre created, start-ups incubated on campus during the year       View File         3.3.3 - No. of Incubation centre created, start-ups incubated on campus during the year       Date of Commencement         Incubation Center       Name       Sponsered By       Name of the Start-up       Nature of Start-up       Date of Commencement         No       Data Entered/Not Applicable !!!       View File       Sa.4 - Research Publications and Awards       Sa.4.1 - Ph. Ds awarded during the year       Sa.4.1 - Ph. Ds awarded during the year       Number of PhD's Awarded         ECE       2       2	Tit	tle of works	hop/seminar			Name of t	he Dept.	Date
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       Categor         No       Data       Entered/Not       Applicable       !!!       View_File         3.3.3 - No. of Incubation centre created, start-ups incubated on campus during the year       Nature of Start-up       Date of Commencemen         No       Data       Entered/Not       Applicable       !!!         View_File       Name of the Start-up       Nature of Start-up       Date of Commencemen         No       Data       Entered/Not       Applicable       !!!         View_File       View_File       View_File       3.4 - Research Publications and Awards       3.4.1 - Ph. Ds awarded during the year       View_File       2			No Da	ta Entered/	Not Appli	icable !!!		·
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       Categor         No       Data       Entered/Not       Applicable       !!!       Image: Color of the start of the s								
Title of the innovation       Name of Awardee       Awarding Agency       Date of award       Categor         No       Data       Entered/Not       Applicable       !!!       Image: Comparison of the second								
No Data Entered/Not Applicable !!!         View File         3.3.3 - No. of Incubation centre created, start-ups incubated on campus during the year         Incubation Center       Name         Sponsered By       Name of the Start-up       Nature of Start-up         Date of Commencemen       No Data Entered/Not Applicable !!!         View File         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	3.3.2 - Awards for Inno	vation won b	oy Institution/1	Teachers/Resea	rch scholars	/Students during	the year	
View File         3.3.3 - No. of Incubation centre created, start-ups incubated on campus during the year         Incubation Center       Name       Sponsered By       Name of the Start-up       Nature of Start-up       Date of Commencement         No Data Entered/Not Applicable !!!         View File         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	Title of the inno	Name of	f Awardee	Awarding Agency Date of award			Category	
3.3.3 - No. of Incubation centre created, start-ups incubated on campus during the year         Incubation Center       Name       Sponsered By       Name of the Start-up       Nature of Start-up       Date of Commencemen         No       Data       Entered/Not       Applicable       !!!         View       File         3.4 - Research Publications and Awards       3.4.1 - Ph. Ds awarded during the year       Number of PhD's Awarded         Name of the Department       Number of PhD's Awarded       2			No Da	ta Entered/	Not Appli	icable !!!		
A solution centre created, start-ups incubated on campus during the year         Incubation Center       Name       Sponsered By       Name of the Start-up       Nature of Start-up       Date of Commencemen         No       Data       Entered/Not       Applicable       !!!         View File         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				Viot	. Filo			
Incubation Center       Name       Sponsered By       Name of the Start-up       Nature of Start-up       Date of Commencement         No       Data       Entered/Not       Applicable       !!!         View File       View File       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								
No Data Entered/Not Applicable !!!         View File         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					•	• •		
View File         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	Incubation Center	Name Sp	-		•		t-up Date of (	Commencement
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			No Da	ta Entered/	Not Appli	icable !!!		
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				Viet	. Filo			
3.4.1 - Ph. Ds awarded during the year         Name of the Department       Number of PhD's Awarded         ECE       2				VIEV	V FILE			
Name of the Department     Number of PhD's Awarded       ECE     2								
ECE 2								
	Nan	ne of the De	partment			Number	of PhD's Awarded	
CSE 2								
		COR					2	
	3.4.2 - Research Public		Journals notif	fied on UGC wel	bsite during	the year		

https://assessmentonline.naac.go	ov.in/public/index.php/postaccreditation	on/agarFilledData/eyJpdil6	IIRFNjRLWIVsVzBOXC82Z1loV	0dtR1ZRPT0iLCJ2YWx1ZSI6InBsMF	EFGOFJYYVh3dXhPN.

Туре	Departme	ent	Number	of Public	ation	Av	erage Imp	act Factor (if any)
			No Dat	a Enter	ed/Not App	licable !!!		
				T.	View File			
3.4.3 - Books Teacher duri	-	rs in edited	Volumes / Bo	oks publish	ied, and pape	rs in National/Ir	iternationa	al Conference Proceedings per
	Departm	nent				Number of P	Publication	l
			No Dat	a Enter	ed/Not App	licable !!!		
				v	View File			
3.4.4 - Paten	ts published	/awarded d	uring the year					
Pate	ent Details		Patent st	atus	P	atent Number		Date of Award
			No Dat	a Enter	ed/Not App	licable !!!	L. L.	
				<u>v</u>	<u>View File</u>			
3.4.5 - Biblio or PubMed/ I			ons during the	last acade	emic year bas	ed on average c	itation ind	ex in Scopus/ Web of Science
Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index		affiliation as m the publication		Number of citations excluding self citation
			No Dat	a Enter	ed/Not App	licable !!!		
				<u>v</u>	<u>iew File</u>			
3.4.6 - h-Inde	ex of the Inst	titutional P	ublications dur	ring the ye	ar. (based on	Scopus/ Web of	science)	
Title of the Paper	Name of Author	Title of journal	Year of publication		Number o excluding s	of citations self citation	Institutio	onal affiliation as mentioned in the publication
			No Dat	a Enter	ed/Not App	licable !!!	•	
				<u>v</u>	<u>View File</u>			
3.4.7 - Facul	ty participati	ion in Semi	nars/Conferen	ces and Sy	mposia during	g the year		

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0/11/2021	maps://dobcoomentermine.nddo.	gov.in/public/index.php/postdooreditation/	aqan meabata/eyopanom ti rij		

Num	ber of Faculty		Internat	tional	Nation	al State	Local
		No Data	Entered/	Not Applic	able !!!	· · · · · · · · · · · · · · · · · · ·	
			Vie	w File			
.5 - Consultanc	у						
.5.1 - Revenue ge	enerated from C	onsultancy during t	he year				
	Consultan(s) tment	Name of con projec	•	-	/Sponsoring ency	Revenue generat rupe	•
		No Data	Entered/	Not Applic	able !!!	·	
			Vie	w File			
5 2 - Revenue ge	enerated from C	orporate Training b			e vear		
Name of the Consultan(s)Title of the programme			Agency seeking / Revenue ger			erated (amount in upees)	Number of trainees
-		No Data	Entered/	Not Applic	able !!!		
			Vie	w File			
3.6 - Extension A	Activities						
		utreach programm ed cross/Youth Red				stry, community and	Non- Governme
Title of the activities	• •	unit/agency/ ing agency		f teachers part such activities	•	Number of students such acti	•
		No Data	Entered/	Not Applic	able !!!		
			Vie	w File			
8.6.2 - Awards and	d recognition rec	eived for extension	n activities	from Governme	ent and other	recognized bodies du	ring the year
	activity	Award/Recognit	ion	Awarding Bod	ies	Number of students	Benefited
Name of the							

				<u>View File</u>			
	• • •			overnment Organisations, Non-Gove er Issue, etc. during the year	rnment Orgai	nisations a	nd
Name of the scheme	Organ unit/Agency/c ager	ollaborati	ng Name of the activity	e Number of teachers participated in such activites		ا students such activ	-
			No Data Enter	red/Not Applicable !!!			
				View File			
3.7 - Collabora	itions						
3.7.1 - Number	of Collaborative	e activities	for research, facu	ulty exchange, student exchange du	ring the year		
Nature	of activity		Participant	Source of financial sup	port	C	Ouration
			No Data Enter	red/Not Applicable !!!			
				View File			
during the year				on-the- job training, project work, s	-		
Nature of linkage	Title of the linkage	Name of	•	nstitution/ industry /research lab ontact details	Duration From	Duration To	Participant
			No Data Enter	red/Not Applicable !!!		•	
				<u>View File</u>			
3.7.3 - MoUs sig during the year	ned with institu	tions of na	itional, internatior	nal importance, other institutions, i	ndustries, co	rporate ho	uses etc.
Organisation	Date of MoU	signed	Purpose/Activiti	es Number of students/teac	hers particip	ated unde	er MoUs
			No Data Enter	red/Not Applicable !!!			
				View File			
			AND LEARNING				
		UCIURE		NLJUURCLJ			

1.1.1 - Budget allocation, excluding salary	y for infrastructure augme	ntation du	ıring the year			
Budget allocated for infrastructu	ire augmentation	Bu	dget utilized for infrast	ructure develo	pment	
250			363			
1.1.2 - Details of augmentation in infrastr	ructure facilities during th	e year				
	Facilities			Existing or N	lewly Added	
	Others			Exis	ting	
Classroo	oms with Wi-Fi OR L	AN		Newly	Added	
Value of the equipment pu	rchased during the	year (r	rs. in lakhs)	Newly	Added	
	Video Centre			Exis	ting	
Seminar ha	lls with ICT facil:	lties		Exis	ting	
Classrooms with LCD facilities E						
	Exis	ting				
Laboratories     Exit						
	Class rooms			Newly	Added	
	Campus Area			Exis	ting	
	<u>View</u> 1	<u>File</u>				
.2 - Library as a Learning Resource						
.2.1 - Library is automated {Integrated L	ibrary Management Syster	n (ILMS)}				
Name of the ILMS software	Nature of automation patially)	(fully or	Version		Year of automation	
EZ Library software Offline Mode	Fully		10.0.0.9	22	2009	
Winnou Application Online Mode	Fully		www.geethanjali.	winnou.com	2018	
.2.2 - Library Services						
Library Service Type	Exis	ting	Newly Add	ed	Total	

No Data Entered/Not Applicable !!!

	•						· ·	anagement System (LMS	,
Name of the	e Teacher	Name of the			which modul		•	ate of launching e-con	tent
			No Da	ta Enterec	l/Not Appli	.cable	111		
				<u>Vi</u>	<u>ew File</u>				
4.3 - IT Infr	astructure								
4.3.1 - Techr	nology Upgrad	ation (overal	l)						
Туре	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 - Band	width availabl	e of internet	connectio	n in the Instit	ution (Leased	line)			
				210 M	BPS/ GBPS				
4.3.3 - Facili	ty for e-conte	ent							
Name of t	he e-content	developme	nt facility	Provide	the link of th	e videos	and media c	entre and recording fac	cility
	Course	Files				<u>19</u>	2.168.0.10	<u>)</u>	
	Lab Ma	nuals				<u>19</u>	2.168.0.10	<u>)</u>	
	Digital	Library				<u>19</u>	2.168.0.10	<u>)</u>	
4.4 - Mainte	enance of Ca	mpus Infras	tructure						
4.4.1 - Exper during the ye		ed on mainte	enance of p	hysical facilit	ies and acade	mic supp	ort facilities,	excluding salary compor	nent,
Assigned Budget on Expenditure incu academic facilities maintenance of acade									

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192	88.62	820	950.57
192	00.02	020	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	-	Nill	0
b) International	_	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	e of the capability enhancement	scheme	Date of imple	metation	on Number of students enrolled		Agencies involved			
	No Data Entered/Not Applicable !!!									
	<u>View File</u>									
5.1.3 - 2 year	5.1.3 - Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year									
Year	Year Name of the scheme		ne Number of benefited students for competitive examination Number of benefited students by career counseling activities		ts by career	Number of stu who have passe comp. exa	din the	Number of studentsp placed		
2020	Career Counselling/ Placement Training / Higher Education	1	125		3549	65		746		

			<u>View</u>	File			
	onal mechanism uring the year	for transpare	ncy, timely redressal	of stude	nt grievance	es, Prevention of sex	ual harassment and
Total grieva	nces received	Number	of grievances redre	essed	Avg. r	umber of days for g	rievance redressal
N	ill		Nill			Nill	
5.2 - Student	Progression						
.2.1 - Details	of campus place	ment during t	he year				
	On d	ampus				Off campus	
Nameof organizatic visited	Number	of students icipated	Number of stduents placed	orgar	imeof nizations sited	Number of studer participated	nts Number of stduents placed
		No	Data Entered/N	Not App	licable	!!!	
				File			
5.2.2 - Student	progression to h	igher educati	on in percentage dur	ring the ye	ear	L I I I I I I I I I I I I I I I I I I I	
Year Number	<sup>r</sup> of students en higher educati	-	Programme graduated from	Depratment graduated from		Name of institution joined	Name of programme admitted to
		No	Data Entered/N	Not App	licable	-	
			View	File			
			/ international level FEL/Civil Services/S				
ltems			Number of	students	selected/ c	ualifying	
		No	Data Entered/N	Not App	licable	!!!	
			View	File			
.2.4 - Sports a	nd cultural activ	vities / compe	titions organised at 1	the institu	ution level of	luring the year	

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#### No Data Entered/Not Applicable !!!

#### <u>View File</u>

### 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			
	No Data Entered/Not Applicable !!!								

#### <u>View File</u>

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

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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
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.
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.
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.
Research and	Institute has well established policy for Research Development. Funding is

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Development	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.
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.
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.
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.

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.
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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 Examination section is headed by Controller of Examinations. BEEs Examination software tool is used for all examination related works related									
6.3 - Faculty Empow	erment Strategies									
6.3.1 - Teachers provided bodies during the year		pport to attend conferences	/ worksho	ps and	towa	rds membership fe	ee of p	rofessional		
Year Name of N Teacher	Year				Name of the professional body for which membership fee is providedAmou supp					
	ľ	No Data Entered/Not	Applicat	ole !!						
		<u>View Fi</u>	<u>.e</u>							
6.3.2 - Number of pro- teaching staff during t		nt / administrative training	orogramme	es orgar	nized	by the Colleges fo	or teacl	ning and non		
Year Title of th	e professional	Title of the administrativ	e training	From	То	Number of	N	umber of		

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development programme organised for teaching stat		organised for non- iching staff	date	Date	participants (Teaching staff)	participants (ne teaching staf		
	No Data Ente	ered/Not Applica	able !	!!				
		<u>View File</u>						
6.3.3 - No. of teachers attending prof Term Course, Faculty Development Pr	•		Drientati	ion Prog	gramme, Refrest	er Course, Short		
Title of the professional develop	nent programme	Number of teacher	s who a	ttende	d From Date	To date Durati		
	No Data Ente	ered/Not Applica	able !	!!				
		Wiene Wille						
		<u>View File</u>						
6.3.4 - Faculty and Staff recruitment	(no. for permanent r	ecruitment):						
Teaching				No	n-teaching			
Permanent	Full Time	Pe	rmaner	nt		Full Time		
32	32		23			23		
6.3.5 - Welfare schemes for								
Teaching		Non-teaching			Stu	Idents		
15		2				12		
6.4 - Financial Management and R	esource Mobilizatio	n						
6.4.1 - Institution conducts internal a	nd external financial	audits regularly (wit	n in 100	words	each)			
External financial audi Account every year. The company are examined care statements namely income a tax returns to the IT dep order, but for a few mino These errors are rectifie accounting and budgetary separate internal committed	e audit observa- efully and corre- and expenditure artment every y r errors of omi d and new syste control systems	tions submitted ective actions f account and bal rear. All the au ssion due to ov ems are introduc a. Internal fina	to the caken, lance a dit re ersigh ed by ncial	e man wher sheet ports it by way c audit	agement by t e required. are filed w s have been the account of strengthes :: The colle	the auditing The Financia with the inco found to be ing personne ning financia ge constitute		

5/17/2021

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		als F	unds/ Grnats receive	ed in Rs.	Purpose
No D	ata Entered/No	t Applicable	111		
	View 1	File			
.4.3 - Total corpus fund generated					
	66975	803			
5.5 - Internal Quality Assurance System					
.5.1 - Whether Academic and Administrative Au	ıdit (AAA) has been	done?			
Audit Type	External		Internal		
	Yes/No	Agency	Yes/No	Auth	nority
Academic	No	Nill	No	Ni	.11
Administrative	No	Nill	No	Ni	.11
.5.2 - Activities and support from the Parent -	Teacher Association	(at least three)			
1. At least, two Parent-Teacher inputs to parents regarding stude and teachers interact with th progress, attendance and other feedback on curriculum develo facilities, library, sports and development of the Institute. In t II, III and IV B.Tech. of all dep 29/09/2019 PTM held during 2019-2	nt learning. 2 e parents as a behavioural is pment, teachin canteen facili the Academic yo partments. PTM	In addition and when requi- sues, if any g learning, r ties, etc., w ear 2019-20 t held during	h, Head of the ired to communic . 3. Some parent research and in which contribute he following: F 2019-20 ODD SEM	Instituti cate acad ts also p frastruct e to the PTMs were I: 21/07/2	on, HoDs lemic provide ural overall held fo 2019 and

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

 The supporting staff is encouraged to upgrade their skills by being deputed to relevant authorized /recognized training centres in their respective trades/fields.
 Support staff is given training on college's MIS.
 Training has been given on use of fire extinguishing systems.
 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. 7.

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 underta	ken during the year					
Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Numbe	umber of participant	
No Data Entered/Not Applicable !!!							
		<u>View File</u>					
CRI	FERION VII - INSTITUTIONAL VALU	JES AND BEST PRACTICE	S				

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# 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		e P	eriod from	F	Period To		Number of Participants		
						F	emale	Male	
	All Hyderabad AHWIE	SC 05	5/03/2020	07	/03/202	D	120	60	
	International Women's	Day 0	7/03/2020	07	/03/202	D	110	22	
	IGNITE-19, IEEE-WIE-STAR	PROGRAM 30	0/12/2019	30	/12/201	9	78	42	
7.1.2	- Environmental Consciousness and S	Sustainability/Alternate	e Energy initia	tives s	uch as:				
	Percentage of power r	requirement of the Un	iversity met b	by the	renewabl	e energy s	ources		
			85						
7.1.3	- Differently abled (Divyangjan) frie	ndliness							
Item facilities		Yes/No		Number of beneficiaries			25		
Physical facilities		Yes		2					
Provision for lift		Yes		262					
Ramp/Rails		Yes		2					
	Rest Rooms		Yes		2				
	Scribes for examin	s for examination Yes				2			
7.1.4	- Inclusion and Situatedness								
Year	Number of initiatives to address locational advantages and disadvantages	Number of initiativ engage with and co local commu	ntribute to	Date	Duration	Name of initiative	lssues addressed	Number of participatin students an staff	
		No Data Entered/	Not Applic	able	!!!				
		Vie	w File						
7.1.5	- Human Values and Professional Eth	nics							
Title			Date of publication		Follow up(max 100 words)				

-	cipline for both faculty and students and published in Jul		Policy handbook was ished in July 2015 and d periodically as deemed fit.			
7.1.6 - Activities conducted for promotion of universal	Values and Ethics					
Activity	<b>Duration From</b>	Durat	ion To	Number of participants		
Universal Values and Ethics	05/08/2019	08/08	8/2019	1170		
1	No file upload	ed.				
7.1.7 - Initiatives taken by the institution to make the	campus eco-friendly	/ (at least fi	ive)			
<pre>environment. We are committed to prom and originality. • Geethanjali beli support the theoretical knowledge gais amalgamation of theory and practice students. • The college conducts environmental science carry out the for good environmental management. Th to the laid down standards for the cr where necessary. • Large scale plantat carbon credits. Plantation/Greening i ECOCLUB unit to increase the Green carried out for making the campus tomorrow' is the motto of our Eco-Cl the hazards of environmental polluti minimize wastage of water, usage of p is "Geethanjalites Go Green (GGG)". • many Eco-friendly events. Environment villagers. The students actively invol while celebrating Diwali festival. protecting the environment and conduc of pandemic situation, the college ca safety of faculty members and student and students.</pre>	eves in 'Innov ned, practical e enhances con: a Green audit of audit. They set ey evaluate the citeria of mana cion is done to Drives, Planta Cover in the vi- green. • Eco-of ub. The commit on among the s plastics and in As a part of 2 cal consciousne ved in creatin The institution ts Green Audit	ation is exposure fidence a f its ca t objecti e practi gement a balance tion prog illage. F club ECO tee works tudents crease o Adhira fo ss is sp g awaren n is awa of its o zed time	life.' e is pro- and also mpus. The ives of ces in t nd recom the emi gramme has Every yes CLUB: 's atowards and invo f green oundation read amo ess towards re of it campus an to time	With this in mind, to vided for students. This creativity among the he faculty teaching the audit and standards the college with respect mmend corrective actions issions and earn adequat as been taken up by the ar, tree plantation is Save Today - Survive s creating awareness of olving them in tasks to cover. The club's motto n, ECOCLUB has organized ong the students and the ards environmental issue ts responsibilities in nd facilities. • In view a keeping in view of the		

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

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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

https://assessmentonline.naac.gov.in/public/index.php/postaccreditation/aqarFilledData/eyJpdil6IIRFNjRLWIVsVzBOXC82Z1IoV0dtR1ZRPT0iLCJ2YWx1ZSI6InBsMEFGOFJYYVh3dXhPN...

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/iqac.html

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.