

Geethanjali College of Engineering and Technology

(Autonomous)

Department of Civil Engineering

Action Taken Report of the External Academic Audit conducted for AY 2018-19

20/01/2021

S.No	Observation Made by the Audit Team	Action Taken	Remarks
1.	<u>A: Concerns</u> Student Faculty Ratio (SFR)	Student Faculty Ratio is maintained as per the AICTE norms prescribed. Efforts are being made to attract experienced and talented faculty.	In the AY 2019-20 SFR is 1:18 as against the requirement of 1:20 for a non-accredited program.
2.	Percentage of students graduating with in four years is very low.	Through improvement in teaching and focussing on slow learners, the percentage of students graduating with in four years has been improved from AY 2019-20 onwards	The number was 46 in 2019-20 as against 15 in 2018-19.
3.	Exposure of faculty to Industry/Research/Consultancy	To improve the exposure of faculty to Industry/Research/Consultancy, relationship with industry has been improved by way of signing Memorandum of Understanding (MoU)	
4.	Faculty working hard feel they are not taken care of /encouraged	Faculty have been encouraged by giving cash incentives for publication of papers, giving appreciation letters for the best	

*[Signature]*

		feedback from the students on teaching etc..	
1.	<b><u>B: Deficiencies</u></b> Faculty Strength	Faculty strength is maintained as per AICTE and JNTUH norms	
2.	Qualified lab assistants are needed	Two Lab assistants with B.Tech qualification are working in the department. Although others are having Diploma qualification, they have more than ten years of industrial experience.	
3.	Project Lab is needed.	College is planning to establish one project lab for each department. Efforts are being made in this direction. Presently students are carrying out their projects in Geotechnical Engineering Lab, Concrete lab, where equipment beyond syllabus is available.	In addition Computer labs also have software like MX Roads, which students can use for their projects.
1.	<b><u>C: Weaknesses</u></b> Needs to improve Consultancy in Laboratories	MoUs are signed with two industries and the department is making efforts to collaborate with them in bringing consultancy.	
2.	Lack of exposure to industry	Faculty members are encouraged to interact with industries with whom MoUs are made. Workshops are also planned in collaboration with them to give exposure to faculty and students.	

3.	Quality of intake is low	In view of the increased intake in CSE and allied branches, decreased employment opportunities in core branches of Engineering, the quality of intake is low. Similar situation is prevailing all over the country with respect to quality of intake in core branches of engineering.	
1.	<b><u>D: Recommendations</u></b> Faculty strength could be improved	It is planned to increase the faculty strength to 1:15 .	
2.	Qualified supporting staff could be absorbed	Two Lab assistants with B.Tech qualification are working in the department. Although others are having Diploma qualification, they have more than ten years of industrial experience.	
3.	Faculty must be encouraged based on their performance	Faculty have been encouraged by giving cash incentives for publication of papers, giving appreciation letters for the best feedback from the students on teaching etc.,	
4.	Special efforts needed to increase the percentage of students who pass the course with in four years.	By way of giving more focus on slow learners, the percentage of students graduating with in four years has been improved from AY 2019-20 onwards	

Submitted to  
IQAC Sw  
20/11/20

Principal

20/11/20



# GEETHANJALI COLLEGE OF ENGINEERING AND TECHNOLOGY

(UGC Autonomous)

(AICTE Approved, Permanently Affiliated to JNTUH, Accredited by NBA  
and Accredited by NAAC with 'A' Grade)

Cheerlur (V), Keesara (M), Medchal, Dist. 501301

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Note Submitted to Principal

Date: 27-09-2019

Sub:- Academic Audit Committee Report - Action Taken on the observations made -  
AY 2018-19 - Reg.

Academic Audit for the year 2018-19 has been carried out in CSE department by members of Academic Audit Committee and the report is received by the undersigned. A few suggestions have been indicated in the report based on the observations they have made during the inspection. The corrective actions have been initiated in the department as per the suggestions reported by the Academic Audit Committee. The Action Taken Report (ATR) is presented in the following table:

Name	Remarks/Comments made by the committee members	Action Taken on the Remark
1. Academic Governance	Suggested to record all the minutes of the meetings.	CAC meeting minutes file is updated. Faculty meeting minutes file is updated. Group head meeting minutes file is updated. Minutes will be maintained for all the meetings from now on-wards.
8. Professional bodies of students	Professional bodies: a) Dates are incorrect b) Consolidated report is not available	Dates in professional bodies file are updated. Consolidated report is filed.
10. Industry institute interaction	Industry-Institute Interaction: The document is to be updated	Industry-Institute Interaction file is updated.
10. Industry institute interaction	Internship file is not up to the mark. (Data organization is not done properly).	Internship file is updated and data is organized properly.
11. Soft Skills and Personality Development	Soft skills and Personality development list/data is not filled properly	Soft skills and personality development training file is filled with complete data.
11. Soft Skills and Personality Development	E-box data is also to be added in value added courses file	E-box training data is added to value added courses file
13. Alumni	Alumni account no. and regd no. is not available	Alumni account no. and registered no. is filed.
Special Comments	Signatures must be there in each file to authenticate the data	All files are updated with signatures
17. Sports/NCC/NSS/Extra-curricular activities	Coding club-initiation program sheet is not available	Coding club-initiation program sheet is updated and filed
14. R&D and Consultancy Cell	R & D Cell: Signatures are not there	R & D Cell file is updated with signatures
12. Seminars and	Student data in the files not matched	Student data is updated and placed in

Co-ordinator

Principal

Workshops		concerned files
19. Industry institute interaction	Data mismatch is there in industry / institute interaction file	Data mismatch is resolved in industry / institute interaction file
4. Laboratory	Syllabus copy is to be included in the lab file	Syllabus copy is be included in the lab file
2. Teaching-Learning Process - Outcome Based Education	Include viva questions and answers in the manuals	viva questions and answers are included in the manuals
2(A). Teaching-Learning Process - Outcome Based Education	Include additional programs in the index	additional programs are included in the index
2(A). Teaching-Learning Process - Outcome Based Education	Signatures are missing in Lab Evaluation sheets	Signatures are updated in Lab Evaluation sheets
2(A). Teaching-Learning Process - Outcome Based Education	Average marks are not there in evaluation sheets	Average marks are updated in evaluation sheets
2(A). Teaching-Learning Process - Outcome Based Education	Consolidate mentor's report is not available	Consolidate mentor's report is placed in file
4. Laboratory	Review-1 and Review-2 for mini projects data is not available	Review-1 and Review-2 for mini projects data is updated and placed in file
4. Laboratory	Sample reports are to be maintained	Sample reports are maintained
2(A). Teaching-Learning Process - Outcome Based Education	Mentor allotment: Signatures must be there	Signatures are updated in mentor allotment document
2(A). Teaching-Learning Process - Outcome Based Education	24 students/faculty for mentoring allotment is very high. Advised to review this.	18 students are allotted for each faculty
4. Laboratory	Major project files - attendance is to be included	Attendance sheets are updated in major project files

This is for your information.

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Dr. G. Soma Sekhar  
HoD, CSE.

IQAC - Coordinator, CSE

Copy to:

Overall IQAC- Coordinator, GCE

Dean (Academics)

Dean (Administration)



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 by NAAAC with 'A' Grade)  
 Cheeryal (V), Keesara (M), Medchal, Dist. 501301

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

Note Submitted to Principal

Date: 14-12-2019

Sub:- Academic Audit Committee Report - Action Taken on the observations made -  
 AY 2018-19 - Reg.

Academic Audit for the year 2018-19 has been carried out in ECE department by members of Academic Audit Committee and the report is received by the undersigned. A few suggestions have been indicated in the report based on the observations they have made during the inspection. The corrective actions have been initiated in the department as per the suggestions reported by the Academic Audit Committee. The Action Taken Report (ATR) is presented in the following table:

Column-1 Criterion no. and Name	Column-2 Remarks/Comments made by the committee members	Column-3 Action Taken on the Remark/Comments in Column-2.
1. Academic Governance	Suggested to record all the minutes of the meetings.	Minutes for 2 meetings were misplaced and could not be shown at the time of inspection. Now they are kept in-place. Minutes will be maintained for all the meetings from now on-wards.
3. Student Evaluation Mechanism	Initiate remedial actions to slow learners.	As of now remedial classes are conducted only for students having poor performance in the I-ruid examinations. However, as per the suggestion given by the audit committee, measures will be taken for conducting remedial classes for those students who could not get pass marks in the Semester End Examinations.
11. Soft skills and Personality development	Suggested to involve II year students also.	Personality Development Program has been conducted on 19 <sup>th</sup> December 2018 on the topic "Blue print for career Success and Personal Effectiveness", for all II-year students in the forenoon session and for III-year in afternoon session. Department could not show case this properly as the minutes of the program is misplaced (filed in a different file) and now it is properly filed.
12. Seminars and Workshops	Suggested to have more activities	Good number of workshops, Student peer learning activities, and Guest lectures are being carried out regularly. However as per the suggestions made, from next year onwards every effort will be made to

17. Alumni association	More students are to be involved.	increase these co-curricular activities.
Special Remarks:	Soft skill training may be initiated from 1-year onwards.	Necessary steps will be taken to increase the number of students attending alumni meet. Soft skills training comes under CACG which is a central committee at college level. Hence the decision in this regard is to be taken by head of the institute, not at department level.
Recommendations:	Academic Governance is to be improved. 1. Institute vision-department vision and institute mission-department mission not mapped 2. Department meeting are not regular sometimes gaps are higher. 3. ACM & CAC minutes are not available. No way of verifying implementation of CAC resolutions.	1. Institute vision, mission statements and department vision, mission statements are properly mapped. The document was wrongly filed and could not be shown during inspection. Now the documents are properly filed. 2. Measures will be taken to conduct the department meetings at regular intervals. 3. Minutes of meeting for ACM & CAC meeting will be maintained in the department from now onwards as suggested by academic audit committee. But the points discussed in those meetings are conveyed to faculty for implementation of the same.

This is for your information.

Dr. S. ...

**Geethanjali College of Engineering and Technology**

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Prof. B Hari Kumar

**Department of Mechanical Engineering**

-Dr. M. Madhavi, Prof & Head, Mech. Eng., MVSREC

**Good Practices:**

1. Regular Student mentoring, Junior faculty mentoring, Course feedback system
2. Motivating students in Co-curricular and extra-curricular activities
3. Motivating life-long learning attitude through skill development courses
4. GATE coaching provided to students

**Strengths**

1. Good academic environment, encouraging fabrication projects, hands-on experience, college sponsored
2. Many faculty completed NPTEL certificate courses
3. Three faculty possess PhD and 11 registered for Ph.D

**Weaknesses**

1. R&D grants
2. Consultancy
3. Few faculty are publishing in journals. Quality of research publications should be improved

**Concerns**

1. Innovative teaching methods-to imbibe some life-long learning traits-among students
2. Outside world interaction required-faculty to be trained in industry
3. Teachers to update their domains in advanced levels and in interdisciplinary domains

**Deficiencies**

1. Average teaching experience is only 8 years, and lacks experienced teachers
2. Encouragement to students as Entrepreneurs
3. PG program

**Recommendations**

1. Re write PSOs as they are not specific to department
2. Competencies and Performance indicators to be mentioned



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3. Department Academic calendars are not available
4. Average teaching experience is only 9 years. To recruit experienced teachers and adjunct faculty.

### Suggestions for improving the academic quality

1. Form departmental committees- PAC, AAC, SIC, DAC comprising of HoD, senior members, industry personnel and alumni.
2. Concluding remarks of all stakeholders are to be maintained
3. T-Hub MOU for encouraging entrepreneurs
4. Alumni record has to be maintained.

### Action taken report on external audit conducted during the Academic Year 2018-19


Sl. No	Action Point	Action Taken
1.	R and D Grants (in weaknesses)	Efforts are made to modernize the labs to suit for research activities. Recent grants of MODROBS are utilized to establish Research facilities in composites laboratory. It is expected to enable us for R&D grants upon completion of establishing research facilities soon.
2.	Consultancy (in weaknesses)	<ol style="list-style-type: none"> <li>1. Initiated consultancy works with Vijetha Engineering Industries, Hyderabad.</li> <li>2. Associated with KGR Industries with prospective consultancy</li> </ol>
3.	Few faculty are publishing in journals. Quality of research publications should be improved (in weaknesses)	Research publications have been improved by 11 of our faculty members advancing in academic research. Also promoted the concept of Coauthoring the papers for publication
4.	Innovative teaching methods- to imbibe some life-long learning traits-among students (in concerns)	Three of our faculty members have under gone Problem Based Learning and two more on Out Come Based learning recently, aiming to change the T-L methodology. Three courses have been taught with PBL approach in associated labs of Material science and Metallurgy, Mechanics of Solids and Automobile Engineering. Efforts are in progress for coordinated learning at finishing school level
	Outside world interaction required-faculty to be trained in industry (in concerns)	<p>Good efforts are made to interact with outside organizations such as Industries, Professional bodies and research organizations.</p> <p><b>1 Industries:</b> KGR Industries, Amritha Tool crafts, Suvidha</p>



## Action taken Report

S No	Reference	Action Point	Action Taken
1	Weakness	1. No sponsored R&D projects	Unable to take action: ME Department suffers from lack of R&D grants as they are mostly in the course of the Department and Research centers. <b>Reason: Force majeure</b>
2		2. No consultancy activity	Unable to take action: In spite of sincere strategies followed through industry interaction, department couldn't grab opportunities from industries due to lack of research labs or expertise. Software tools available are limited to academics as licenses and facilities impose constraints. <b>Reason: Force majeure</b>
3		3. Majority of faculty not having PhD qualification	Out of 11 faculty members of the department: 1. Three faculty members of the department possess Ph.D (27%) 2. Eleven members are pursuing Ph.D in India (36%) 3. One member has been recommended to carry out Ph.D from University of Malaysia (3%) Department encourages research through Ph.D and two more are ready to register.
4	Concerns	2. Very few professional body activities	1. Students are encouraged to participate in Robotics club and Society of Automotive Engineers (SAE) activities. 2. Department has recently obtained SAE grant of Rs.1,00,000 to conduct activities. 3. Activities will be increased through allocated scheduled hours from this semester onwards.
5		3. Meagre core company placements	Efforts are made through local industries for core placements. Parties were successful during 2019-20. Anetha Tool Crafts could appoint 3 of our students through this drive. However, core placements have been found a decline at global level too. <b>Reason: Force majeure</b>
6	Deficiencies	1. Not having PG program	Unable to take action: Requests are made but, the department was not successful in this regard. Probable barriers to overcome are: Lack of students interest to join PG Program, and sustainability. <b>Reason: Force majeure</b>
7		2. No considerable industry-institute interaction	Department has made active interactions with four companies during this academic year. Industry projects, internships and placements have resulted through these interactions. Efforts will be made to improve in this aspect through MoUs.
8		3. Lack of student transformation as Entrepreneurs	Unable to take action: External opportunities make students to explore employment rather to become entrepreneur. <b>Reason: Force majeure</b>
9	Suggestions	Collaborative learning	Implemented in IIB Tech (Mech): Formed groups of heterogeneous academic quality.
10		Project/Problem Based Learning	Implemented partially in Automobile engineering, Material Science and Metallurgy and Mechanics of Solids courses.
11		Student Competitions	Encouraged
12		National/ International conference	Associated in ICMM of GCET and published seven papers.

(Dr S. Shyam Kumar)  
Head, Mechanical Engg.

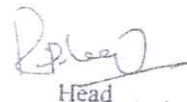
  
23/10/2021



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2.	Faculty research publications	With the induction of one more Ph.D faculty in the AY 2020-21 and by way of encouragement of faculty through incentives for publications, publications are expected to improve.	
1.	<b>D: Recommendations</b> Department Library to be strengthened.	More number of text books and journals will be added to the Department library.	



Head

23/10/20

Department of Civil Engineering



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