

23.10.2021

Geethanjali College of Engineering and Technology
(Autonomous)

Department of Civil Engineering

Action Taken Report of the External Academic Audit conducted for AY 2019-20

S.No	Observation Made by the Audit Team	Action Taken	Remarks
1.	<u>A: Concerns</u> Faculty to be provided with individual computing facilities	As it involves a common decision to be taken for the faculty of all the departments, it will be discussed in the College Academic Committee (CAC) meeting and an appropriate decision will be taken.	
2.	Survey lab must be provided with computer to handle total station software.	Yes A computer is provided in survey lab to handle total station software.	
1.	<u>Weaknesses</u> Consultancy by Department	With the induction of Senior Faculty members in the department, a few works were carried out, like checking the stability of a structure, fixing the boundaries of land using total station etc. Planning to apply for third party quality control of works carried out by GHMC, when the next call by GHMC comes.	



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Prasad
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**GEETHANJALI COLLEGE OF ENGINEERING AND TECHNOLOGY
(UGC AUTONOMOUS)**

Cheeryal (V), Keesara (M), MedchalDist – 501 301, Telangana

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Action Taken Report for External Academic and Administrative Audit Committee observations for the A.Y.2019-20

External Academic and Administrative Audit for the A.Y:2019-20 was conducted with an external member Dr.K.VenuGopalRao, Professor, MVSR Engineering college and the report submitted to the institute.


The report indicates the strengths, weaknesses, concerns and recommendations. The report as given by external committee members was discussed with senior professors of the department and the corrective actions were taken up.

Remarks category	Remarks made by the committee	Action Taken
Weaknesses	R &D activities are poor at Rs.3.0 lakhs.	Senior faculty of the department are continuously motivated to apply for projects and there is a considerable improvement in the projects applied from A.Y.2019-20 wherein four projects were applied. The department is looking for opportunities to get some funded projects sanctioned. Dr.Hari Prasad Reddy and Dr.Kamakshiah are given the task of identifying the opportunities in this aspect.
	More publication required.	Group heads of the CSE department have been continuously motivating their mentee faculty to take up research activities and <u>publish</u> their work. There has been a slight improvement in the number of publications in A.Y.2019-20, where the department has a credit of 26 papers compared to 18 papers in A.Y. 2018-19.
	Consultancy works	The department could not make a difference in the consultancy works. Some faculty will be allocated in the coming academic year to especially explore the opportunities in improving consultancy.
	Preventive and	Remedial classes were regularly conducted to improve the

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	corrective measures w.r.t students' performance	performance of students with poor performance in the mid examinations. Performance of students after remedial classes has significantly improved. The average percentage of students from the students who attended remedial classes and could clear their end semester exams for the A.Y.2019-20 are I Sem-48.12% II Sem-69.87%
Concerns	ICT facilities in classroom, system and internet for teachers	The given concern is forwarded to the principal to provide ICT facilities in classrooms. The departments were instructed by the principal to request the ICT facilities required for labs initially and the same has been submitted to Dean Academics. All Associate professors and Professors in the department are provided with a computer system with internet facility. Assistant professors being in large number are allocated with two labs 205 and 305 where they can use systems with internet. Department also has a Reliance Jio Wi-Fi facility from 2017 which can be used by the faculty.
	Backlogs in 2019 batch students.	The concern was mentioned keeping in view the number of students graduated within stipulated time without backlogs in 2015-19 batch. For 2019 batch students, out of 267 students only 33 graduated without any backlog and 191 graduated with backlogs within stipulated time. Remedial classes are conducted for courses to improve the performance of students.
	Internships	The total number of internships done by students in 2019-20 is 72 out of which some were paid internships. To increase the number of internships in the department the following actions are proposed for the next academic year. 1. A separate coordinator for internships is identified who can guide students in looking at the opportunities 2. The data collection process is also to be improved in the department as there are few more students who did not submit


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		<p>their internship details. Department has taken up this seriously and a team of two faculty is formed to explicitly look into the details of collection process with the support of class teachers and mentors.</p>
Recommendations	<p>More experienced staff with specialized in courses and technology desirable</p>	<p>Staffs with different specializations are available in the department. Department has conducted four FDPs in emerging areas in 2019-20 to improve faculty competency in emerging areas.</p> <p>Apart from that due to pandemic situation and availability of many online FDPs in the months of March-April 2020, many faculties could attend FDPs related to latest courses and Technology. 41 faculty attended multiple FDPs conducted outside college in different specializations.</p>
	<p>Encouragement for publication and research works</p>	<p>Management and department have continuously provided support for faculty to perform research work not only in providing the facilities but also by giving financial support. ___ number of faculty took the financial support and published their research work in the A.y.2019-20</p>
	<p>Incubation centers and encouragement for start-ups.</p>	<p>Incubation center is maintained at institute level with coordinators from all departments. Many events were conducted for students to improve their skills. Some events conducted under this for the year 2019-20 are</p> <ul style="list-style-type: none"> • Workshop on Design Thinking • Workshop on Enhancing all career paths with Entrepreneurship abilities • Hackathon – service now • Workshop on humanoid Robotics • Orientation Program on Innovation and Entrepreneurship <p>This would be further strengthened in coming academic years by motivating students to participate in large number. More number of senior faculty will be allotted to Incubation center as more driving</p>


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		force and guidance is required for students in this aspect.
	Value added courses needed	<p>Department had considerable number of value added courses conducted in 2019-20 in all aspects of skills required for students. Some of the Value added courses given to CSE students in 2019-20 are</p> <ul style="list-style-type: none"> • BEC • EPAM • Service Now • Sales Force <p>Some more value-added courses in emerging areas will be planned in the coming academic years. For 2020-21, value added courses with Smart Bridge are proposed in the areas of Robotics, AIML and IoT.</p>

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Industries, Aishu Castings, Bharathi Cements, M/s Agarwal Castings, Lokesh Machine tools

2 Professional bodies: Society for Automotive Engineers, Institute of Engineers

3. Research organizations: IICT, DMRL, ARCI

6. Teachers to update their domains in advanced levels and in interdisciplinary domains (in concerns)	Domain knowledge has been attempted by conducting faculty Development Programs on CAD Tools application in Mechanical Engineering, Computational Fluid Dynamics, Coding in C and Python. Attempts are in progress.
7. Average teaching experience is only 8years, and lacks experienced teachers (in Deficiencies)	Efforts are made to induct senior faculty. However, we could not succeed. This will be taken up in immediate future recruitments.
8. Encouragement to students as Entrepreneurs (in Deficiencies)	Students are encouraged through Industry projects to acclaim the experiences at Industries for entrepreneurship. It is planned to conduct sessions with MSME to promote the graduating students to self-entrepreneurship. Four students of ME (2019 Pass outs) were sent as Graduate trainees to M/s Amritha Tool crafts to acquire knowledge in Automation and to pave their future for Entrepreneurship. Benefits of EDC activities need proper conversion in this aspect.
9. PG program (in Deficiencies)	Though Master's programme having a blink future, efforts are made to start M Tech in Tool Design with the collaboration of M/s Amritha Tool crafts. Plans await feasibility analysis
10. Re write PSOs as they are not specific to department (in Recommendations)	PSOs are modified in AR-20 curricula.
11. Competencies and Performance indicators to be mentioned (in Recommendations)	Planned to include in AR20
12. Department Academic calendars are not available (in Recommendations)	Implementation started from AY 2021-22
13. Average teaching experience is only 9 years. To recruit experienced teachers and adjunct faculty. (In Recommendations)	Recruitment of senior faculty was sincerely attempted in 2020 and 2021. As the results were not favourable, it is planned to try for Adjunct faculty.
14. Form departmental committees-PAC, AAC, SIC, DAC comprising of HoD, senior members, industry personnel and alumni. (In Suggestions for improving the academic quality)	Formed
15. Concluding remarks of all	Inputs have been taken from Industrialists and two subjects

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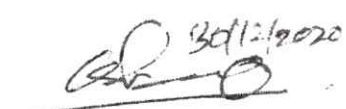
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Department of Mechanical Engineering

<p>stakeholders are to be maintained (in Suggestions for improving the academic quality)</p>	<p>have been introduced in AR 20, viz., Mechanical Measurements and Instrumentation, Mechatronics</p>
<p>16. T-Hub MOU for encouraging entrepreneurs (in Suggestions for improving the academic quality)</p>	<p>Not attempted with T Hub yet but will be sincerely attempted in near future. However, Industry MOUs have reasonably good result in promoting entrepreneurship</p>
<p>17. Alumni record has to be maintained. (in Suggestions for improving the academic quality)</p>	<p>Alumni activities and record keeping have been improved. Senior faculty member of ME has been assigned to track and record Alumni data. Students going for higher education are being contacted for addition.</p>



PRINCIPAL
 Principal, College of Engineering and Technology
 (Autonomous)
 Chennai-60, Mysore Road, Bangalore-560 075. 801 301


 (Dr S Shyam Kumar)
 HoD, ME