19.01.2022

Geethanjali College of Engineering and Technology
(Autonomous)
Department of Civil Engineering
Action Taken Report of the External Academic Audit conducted for AY 2020-21

S.No	Observation Made by the Audit Team	Action Taken	Remarks
	Weaknesses		
1.	Churn in the faculty could destabilize the set processes.	Faculty members are encouraged, motivated and also given incentives for publications. College also sponsors faculty for attending FDPs/STTPs etc.,	Hence destabilization of the process won't happen.
2.	Intake of not so bright students	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.	

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Cheeryal(V),Keesara(M),Medchal.Dist-501301

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Note: Submitted to Principal

DATE: 17ᵗʰ Jan 2022

Sub: External Academic And Administrative Audit Committee Reports-Action Taken on the observations made- AY 2020-21 Reg

External Academic and Administrative audit for the year 2020-21 has been carried out in EEE department by members of External audit Committee and the report is received by the undersigned. A few suggestions have been indicated in the report based on the observations they had 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:

S. No.	Criteria No. and Name	Remarks/comments made by the committee	Action taken on the remarks
1	5: Faculty information and contribution	Publications are not up to the mark	Faculty were motivated to publish papers in SCI and Scopus indexed journals. Group heads were advised to conduct weekly review discussions on progress of research work of their respective mentees and explore options for publications.
2	5: Research and development	Consultancy projects	MoUs with industries and academia are being explored to apply for collaborative research projects and consultancy.
3	6: Facilities and technical support	Project space is not there	The department has identified space (G14 Block - 1) as 'projects lab'
4	2.14: Teaching learning process	PSOs are not mapped with projects	All final year projects will be mapped to PSOs henceforth.
5	10 : Financial resources	Budget utilization not upto the mark	AICTE sponsored training program was conducted during last year and hence allocated funds were not utilized. It is planned to conduct trainings for non teaching staff as well as FDPs/workshops for teaching staff. Training programs for EEE students to improve software skills will be organized. It is also planned to implement ICT technologies in some more class rooms.

Dr. Aruna Bharathi
In-charge IQACE

M. Aruna Bharathi I/c HoD

Dr. Radhika Dora
Head EEE

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Report of the
External Academic & Administrative Audit Committee, 2020-21, GCET
Department of Mechanical Engineering

- Dr. D. Kondayya (on 08.01.2022)
Professor, Mech. Engg, SNIST. Hyd.

Good Practices

1. Documentation of various activities are well maintained.
2. Laboratory Experiments are in running condition and labs well maintained

Strengths

1. Young faculty in department. If trained well will produce better results in terms of research
2. Faculty doing Ph Ds good in number

Weaknesses

1. Results of passing out students in one attempt is low
2. Number of student professional societies may be increased
3. Students intake rank in the department is poor

Concerns

1. Number of experiments/ equipment in lab to be improved (Advanced experiments)
2. Project laboratory may be further developed
3. Access to mentors may be increased to address concern of students

Deficiencies

1. Research projects and research papers to be increased
2. Students(who are placed) Annual Package at lower side
3. PG program

Recommendations

1. Nil

Brief report

Not mentioned

Suggestions for improving the academic quality

1. Lab records may be revised to inculcate self learning
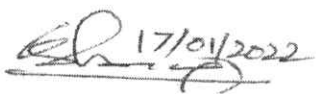2. Tutorial classes may be increased to improve pass percentage in numerical subjects

Dr D Kondayya,
Professor, SNIST, Hyderabad

ME-Action taken Report- External Audit 2020-21

S No	Reference	Action Point	Action Taken
1.	Weakness	1. Results of passing out students in one attempt is low	Pass percentage has gone down due to on line classes during pandemic period. Classes 'in person', which have been implemented during AY 2021-22 would bring the results up. results awaited.
2.		2. Number of student professional societies may be increased	It is discussed with in group heads meeting of ME, and resolved the issue. Activities through Institute of Engineers will be added up this year onwards.
3.		3. Students intake rank in the department is poor	Employability in IT sector throwing challenge on students admission in to/ sustainability of core branches of Engineering. In view of reduced demand of admission into Mechanical Engineering, efforts are made to improve the students intake by modifying the curriculum(19%). It is expected, the improved intake to take a shape in next three-four years.
4.	Concerns	1. Number of experiments/ equipment in lab to be improved (Advanced experiments)	It is instructed all IV B Tech(ME) students to take up academic project work to add laboratory experiments/ enhancements during AY2021-22. A minimum 10% of total project batches will go for laboratory development projects.
5.		2. Project laboratory may be further developed	Project laboratory existing in G08 of Block III will be reorganized by the end of AY2021-22
6.		3. Access to mentors may be increased to address concern of students.	Mentors are suggested to record all good/in force practices in this regard, and the same could be maintained beyond mentor book.
7.	Deficiencies	1. Research projects and research papers to be increased	It is proposed in group heads meeting, hereafter, to submit research proposals not less than two per group per year
8.		2. Students(who are placed) Annual Package at lower side	A decision has been taken at central T&P to impart a better training, aiming at an improved placement quality and hence better placement salary packages. The effect is expected a visualization by the end of placements-2022.
9.		3. PG program	Demand for PG courses ME/M Tech in general and Mechanical Engineering in particular is drooping. However efforts are made through strategic planning at college level to improve the situation among all branches of Engineering. It would take a better shape by the end of 2021-22.

17/01/2022

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

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Note Submitted to Principal

Date: 20-01-2022

Sub: - External Academic Audit Committee Report of AY 2020-21 - Action Taken on the observations made – - Reg.

External Academic Audit for the year 2020-21 was carried out in the ECE department on 8th January, 2022 by members of the 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 made by the 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
I. vision and mission statements	After establishment of the college, vision & mission have not yet been restructured as per stake-holders survey.	The department's Vision and Mission are framed in-line with the institution's Vision and Mission. As and when the institute's vision and mission are modified, accordingly the department's vision and mission will be modified.
II. B. Teaching-Learning Process: **2:** Is evidence of pedagogical initiatives taken, such as collaborative learning, ICT supported teaching etc. available?	ICT facilities must be improved.	For improving ICT facilities in the department, FIVE more roof-mount LCD projectors are installed in laboratories.
II. B. Teaching-Learning Process: **10:** Is a well-defined process followed in the design and validation of question papers as well as for scheme of evaluation of mid-term and semester end examinations?	Quality of internal question paper setting should be improved.	As of now, all the internal question papers are being scrutinized well by the respective Group Heads, for maintaining better quality of internal question papers. The Internal Question Paper Evaluation Committee (IQEC) then monitors whether the relevant COs and Blooms Taxonomy levels are followed or not. The IQEC committee consists of one IQAC Expert member from other department, HoD, one senior Professor/Associate Professor along with course coordinator. However, further care will be taken for betterment of the quality of the internal question papers. Regarding Semester End Examination question papers, the papers are set by faculty members of

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		other colleges, and the paper setters are selected from the panel of examiners approved by the members of Board of Studies of the department. Generally, this panel of examiners consists of Doctorates or senior faculty members having more than 10 year of teaching experience and taught the same subject for more than 5 times. More over as per the guide lines of JNTUH, no scope is given to modify any of the questions during the moderation process.
II. B. Teaching-Learning Process: **11:** Are questions mapped with course outcomes, and Blooms Taxonomy levels?	Not given (not followed)	All the subjective questions of the internal papers are mapped with the respective Course Outcomes and with Blooms Taxonomy levels. For the Semester End External Examinations, during moderation process, the respective course coordinator and BoS-chair person or his nominee, together, map the questions with corresponding Course Outcomes and Blooms Taxonomy levels.
II. B. Teaching-Learning Process: 17. Particulars of industry supported laboratories established, if any.	No efforts are visible.	Even though industry supported laboratories are not established, the department has MoUs with various industries and conducted workshops/ Training Programs using the expertise of industry people. For instance,-lectures in VLSI front-end technology using XILINX with hands-on training are conducted for nearly 30 days in two spells with the help of experts who had immense experience in the VLSI domain.
VII: 9: a: Highest rank (in the qualifying examination) of the students admitted in the current academic year	Low, need to improve.	For attracting better rank students, department has been preparing and circulating a promotional video each year, highlighting the facilities of the department/ college, achievements of the students and faculty members, placement details etc., to all the stake-holders and prospective students.

Column-1 **Overall Comments**	Column-2 **Remarks/Comments made by the committee members**	Column-3 **Action Taken on the Remark/Comments in Column-2**
Deficiencies, if any.	Industry supporting lab.	As of now no such facility is available in the department, but department has come up with MoUs with two industries for improving the Industry-Institute-Interaction for improving the academic standards suitable for industry.
Weaknesses, if any.	1. Average package of the student placements needs to be improved. 2. ICT facilities must be improved.	1. For improving the average package in students' placements, department has initiated the following activities on regular basis: a. Conduct of Value-Added Courses in Advanced Data Structures (in II-I) and

	3. Encouragement for MOOCS courses.	Python programing for Data Analytics (in II-II). b. Conduct of Quantitative Aptitude Tests on every Saturday during instruction period of each semester. 2. For improving ICT facilities in the department FIVE more roof-mount LCD projectors are procured and installed in laboratories. 3. To encourage all the students and faculty members in widening their knowledge through MOOC courses, college is reimbursing the Registration Fee for all those who secure more than 85% of marks in the course.
Concerns, if any.	1. Vision & Mission statements should be revised as per Stake-holders' inputs for every 5 years. 2. Quality of student's enrollment needs to be improved. 3. No Entrepreneurs.	1. The department's vision and mission are framed in-line with the institution's vision and mission. As and when the institute vision and mission are modified, accordingly the department vision and mission will be modified. 2. For attracting better rank students, department prepares and circulates a promotional video consisting of the facilities in the college, achievements of the students and faculty members, placement details etc., to all the stake-holders and also publicizing through digital media. 3. Recently one student has become as entrepreneur.

Dr. S Suryanarayana
HoD, ECE.

Copy to: 1. Overall IQAC- Coordinator, GCET
      2. Dean (Academics)
      3. Dean (Administration)

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Action Taken Report of External Academic & Administrative Audit Committee, 2020-21, GCET

Department of Information Technology

20th January, 2022

Recommendations	Action taken
One more PSO is to be defined in Emerging areas.	We will add in next curriculum.
There is no proper discrimination among bright and week students	Based on the mid and external marks we will identify bright and week students.
Bright students must be encouraged to participate in NPTEL courses in emerging areas.	We will encourage the bright students to participate in NPTEL courses in emerging areas.
Group learning must be improved.	Due to Covid-19 we could not implement Group learning, we will implement.
PBL activities must be improved.	Action plan is prepared, we will implement.
Attainment levels are poor as set targets are put too high. Suggested to re-define the set targets.	We will re-define the targets.
Participation of IT students in various activities is very less.	We will motivate the students participation in various activities.
Student Faculty ratio is to be improved.	Student faculty ration is improved by including three more faculty.
Number of PhDs are to be increased.	By next academic year we will try to increase.
Faculty participations are there in emerging areas but they are of small duration (1 week) It is not sufficient and they must be encouraged to participate in FDPs of 3 weeks duration or so for gaining good knowledge in emerging areas.	Faculty are motivated to participate in FDPs of three weeks duration in emerging arears.

Faculty must be encouraged to apply for Research projects.	Faculty are motivated to apply for Research projects.
Proper record is not available that how much budget is allocated and how much amount spent for the department.	Data from accounts is collected and filed accordingly.

HoD-IT

(Dr.K.Srinivas)
Head
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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Action Taken Report for External Academic and Administrative Audit Committee observations for the A.Y.2020-21
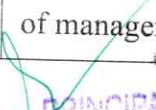
External Academic and Administrative Audit for the A.Y:2020-21 was conducted with an external member Dr. Y. Rama Devi, Professor, Chaitanya Bharathi Institute of Technology and the audit report is submitted to the institute.

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	Students participation in National Level events to be encouraged.	Students participation in National level events has come down to some extent due to pandemic situation. Student activities coordinator is informed to make students aware of various online events and disseminate through mentors so that students can participate and gain/showcase the necessary skills. Mentors are also informed to regularly motivate students to participate in different co-curricular events.
	Success Rate i.e., Students Graduating within 4 years can be increased.	The success rate i.e. number of students graduating within 4 years is less. Remedial classes were planned for tough courses like DAA, TOC, CD where there are more number of failures.
	Research/Consultancy works	The department is continuously making efforts to apply for research works and consultancy. In the year 20-21, Two projects, under RPS and SERB scheme were applied from department of CSE. Faculty with Ph.D is motivated to submit the project proposals and goods

		proposals are to be prepared with R&D-Dean guidance.
Concerns	PG Admission	M.Tech CSE is the only PG branch available in Engineering streams but the admissions are poor every year. The college considers the attendance for classes and performance in exams is compulsory for students even at PG level. There are very few takers of PG course and in that attendance and performance requirements has led to downfall in admissions. We have requested management to propose some scholarship for PG students so that students who are not able to do PG because of financial constraints can take up PG education by leaving the job commitments.
Recomme ndations	Research Publication of Student/Faculty can be improved	Faculty were continuously motivated for research publications by providing the financial support by the management. Faculty were regularly made to attend FDPs related to their interested emerging areas to enable them to pursue their research and publish few papers. Group heads are allotted where 6 to 7 faculty will be under their guidance in teaching learning and research activities. From next academic year , all group heads have suggested for keeping targets so that faculty would dedicate some time in pursuing research and publishing papers
	Projects related to Society need to be increase.	Being CSE department, very few model based projects are available as most of the projects are software based. The audit member was stressing on physical models and has suggested increasing few more projects in those areas. Students will be motivated to take up some model based projects which would be helpful for the society. The course "Design Thinking" made as part of AR20 curriculum is planned well for being implemented for first time, to enable students to take up problems related to society and prototype their solutions. Major projects to be motivated in the areas of IoT, Robotics. Project coordinator is advised to inform the student that if their project needs any equipment, department is ready to provide them with the support of management.