

22.09.2021.

To  
The Principal,  
Geethanjali College of Engineering and Technology,  
Cheeryal, Keesara, Telangana.

Sir,

Sub: Report of the of External Academic and Administrative Audit  
Committee – GCET, 2019-20– reg.

I wish to first thank you for the excellent hospitality and support extended by you, the HoDs, and other faculty and staff of GCET to me and to our team of experts that visited your college for Academic and Admin Audit of your college on 18<sup>th</sup> September 2021.

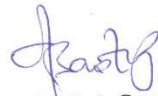
Please find enclosed

1. A consolidated report of SWOT analysis and recommendations by the experts of the Departments of Civil, CSE, ECE, EEE, Mechanical and Management Studies, as well as mine for I year instruction and common facilities.
2. The detailed reports, as per the common format on various criteria, by the respective experts as given below, are also enclosed:

Civil Eng. Dept. - Dr. M. Koti Reddy, Professor, CED, CBIT  
CSE & IT Depts. - Dr. K. Venugoplala Rao, Professor, CSE, MVSREC  
ECE Dept. - Dr. K. Jaya Sankar, Professor. ECE & Principal, MGIT.  
EEE Dept. - Dr. J.Praveen, Prof. EEE & Principal, GRIET  
Mech. Eng. Dept. - Dr.A. Sita Rama Raju, Professor. Mech. Engg,  
Anurag University  
Management Studies - Dr.N. Sravanthi, Professor, Mgt Studies, MVSREC

I trust the recommendations / suggestions by the experts will be of help in fine tuning the various academic and administrative aspects of the college towards realising your Vision for GCET.

With best wishes and regards,



Dr.P.A.Sastry

Former Principal & Prof. of Mech. Eng., MVSREC  
Chairman, GCET Academic & Admin. Audit Committee, 2019-20.

**Good Practices:**

1. College Campus presents a pleasant ambience with greenery, meticulous horticulture and care for cleanliness.
2. Comprehensively drafted Mentoring system which is well implemented by faculty of all departments.
3. Environment friendly initiative of installing 250 KW Solar power in the campus, while also providing adequate generator back up. The 1000 ltr/ hour RO capacity is sufficient at present.
4. Governing body is appropriately constituted, meetings are held at stipulated intervals regularly, and approvals are taken for annual budget and academic commitments. Minutes of meetings and follow up actions are recorded meticulously.

**Strengths:**

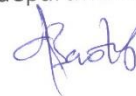
1. Number of campus placements, companies visiting and salaries are seen to be increasing each year. It is likely to improve the quality of student intake.
2. Vigorous effort are being put in for student Career guidance and placements.
3. Well qualified and competent faculty members who are quite conversant with OBE, CO-PO mapping and attainment evaluation procedures.
4. Good student – teacher ratio at about 15:1.
5. Examination section is well organised and competently manned. Paper setting and evaluation procedures are meticulously followed as per norms.
6. Good internet bandwidth, and access to all labs, library and conference rooms.

**Concerns**

1. Core placements in Civil, Mechanical, ECE and EEE are poor.

**Deficiencies**

1. Indoor sports facility has little space and needs to be improved in terms of area and games facilities.
2. Books procurement is less than norms for some departments.
3. No Handbooks in the library.



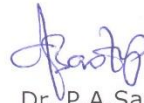
**I Year** (Strengths)

1. About 30% of the faculty teaching I year students possess Ph.D.
2. Number of computer labs and systems are adequate.
3. I year laboratories are well equipped and organised.

**Suggestions for improvement:**

1. More MOUs required with other institutes of higher learning
2. Administrative structure is well defined. Functions of all heads/ in-charges cited in it may be in one file made available to all HoDs and in-charges.
3. Activities of alumni association may be defined better.
4. Placement cell to keep a record of job opportunities available and also inform the students during V or VI semester. The Cell may also inform about the in-demand skills so that students start preparing at an early stage.
5. Number of publications and quality needs to be addressed in all the departments.
6. Faculty in various departments should explore and make a start even with minor Consultancy work with small / medium industries nearby.
7. The Institute strategic 5-year plan, is like a qualitative description. Timelines given along with cost estimates helps the stake holders in the implementation.
8. Each dept. may allot a slot for faculty seminar, when a faculty member talks about his Ph.D / project work, or proceedings of a conference he attended etc., in a relatively informal way. Such practice helps to improve the academic ambience in the dept.
9. While having department-wise Newsletters, it is also important to have a college newsletter highlighting departmental and college level achievements and facilities.

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Dr. P.A. Sastry

Chairman, External Academic  
& Administrative Audit Committee

Date: 19.09.2021  
Hyderabad

Report of the  
External Academic & Administrative Audit Committee, 2019-20, GCET  
Department of Civil Engineering

- Dr. M. Koti Reddy, Professor, CED, CBIT

**Good Practices**

1. Files are well maintained and documented

**Strengths**

1. Good Team work among staff

**Weaknesses**

1. Consultancy by Department
2. Faculty research publications

**Concerns**

1. Faculty to be provided with individual computing facilities
2. Survey lab must be provided with computer to handle Total station software

**Deficiencies**

- Nil -

**Recommendations**

1. Departmental library to be strengthened
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Report of the  
External Academic & Administrative Audit Committee, 2019-20, GCET  
Department of Computer Science Engineering

Dr. K. Venu Goplala Rao,  
Professor, CSE, MVSR Engineering college.

**Good Practices**

1. Good filing system
2. Faculty made aware of the various procedures in the dept.

**Strengths**

1. Staff and faculty are well aware of the OBE related processes
2. Laboratories are well structured and alright. But there is scope for improvement.
3. File maintenance system is good.

**Weaknesses**

1. R&D activities are poor at Rs.3.0 lakhs.
2. More publications required.
3. Consultancy works
4. Preventive and corrective measures w.r.t. student performance

**Concerns**

1. ICT facilities in classrooms, system and internet for teachers
2. Backlogs in 2019 batch students
3. Internships

**Recommendations**

1. More experienced staff with specialized in courses and technology desirable.
2. Encouragement for publications and research works
3. Incubation centres and encouragement for start-ups
4. Value added courses needed

**Suggestions for improving the academic quality**

1. Experienced staff required
2. R&D activities and Consultancy works to be improved
3. Faculty to work for funded projects





Report of the  
External Academic & Administrative Audit Committee, 2019-20, GCET  
*Department of Information Technology*

Dr. K. Venu Goplala Rao,  
Professor, CSE, MVSR Engineering college.

The first batch of students this department have entered II year in the Academic year 2019-20. After interacting with staff and inspecting the various academic practices currently followed, following recommendations are given:

1. Faculty need to try to improve their qualifications, and work towards research projects and consultancy
2. Faculty to be motivated and encouraged to develop relevant new and state of the art skills
3. Suggested to handle I year courses of IT.

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*Department of Electronics and Communication Engineering*

Dr. K. Jaya Sankar, Professor of ECE  
& Principal, MGIT, Hyderabad

**Good Practices**

1. Well maintained filing system
2. Impact analysis well demonstrated
3. Academic learning through specialised R&D groups

**Strengths**

1. Committed and responsive faculty members
2. Intranet resources of the department excellent
3. Faculty strength with research credentials is good
4. Faculty retention is excellent

**Weaknesses**

1. Focus on NEP 2020
2. Research & Innovation
3. Industrial Consultancy

**Concerns/Deficiencies.**

1. Additional Research facilities to be created

**Recommendations**

1. Plan of NEP 2020 implementation to be kept ready

**Suggestions for improving the academic quality**

1. Faculty and staff to be allotted exclusively for helping students to achieve self-learning goals
2. Latest learning tools to be provided for staff and students

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Report of the  
External Academic & Administrative Audit Committee, 2019-20, GCET  
Department of Electrical and Electronics Engineering

- Dr. J.Praveen, Prof. EEE and  
Principal, GRIET, Hyderabad.

**Good Practices**

1. Faculty strength maintained, Lab well equipped, cabins provided for Faculty
2. Events, FDP, Extra and CO-curricular activities conducted
3. Very effective Mentoring system
4. Well maintained campus/ department, OBE curriculum, CO-PO mapping, Vision, mission in place
5. PEO, POs, PSOs, curriculum, ICT membership system, projects, Professional bodies interaction

**Strengths**

1. Faculty
2. Good ambience
3. Scopus publications (17)

**Weaknesses**

1. No M.Tech. programmes
2. 30% seats are vacant
3. No Projects, R&D and Consultancy

**Concerns**

1. FDP not sponsored
2. Scopus / SCI publications nt sponsored from the institute
3. No financial support for faculty to join Professional bodies

**Deficiencies**

1. M.Tech. programs
2. No SCI – publication, no projects, No R&D funding, Consultancy etc.
3. Enrolment is less (70%), CGPA average is less, 60% students not placed

**Recommendations**

1. Document presentation to be improved
2. Focus on enrolment of students
3. Placement is 40% only, which needs focus.
4. CGPA needs to be improved





**Brief report**

1. EEE dept has 26 faculty members with 4 Professors having Ph.D
2. Well equipped laboratories and classrooms
3. Enrolment of students is 70%.
4. Well qualified Faculty and good leadership of the dept
5. All resources are available
6. Conducted an International conference
7. CGPA needs to be improved.

**Suggestions for improving the academic quality**

1. Team work in the dept needs improvement
  2. Incentives to be given to improve publications, conduct of conferences, FDPs etc.
  3. Learning management system (LMS) like Google classroom / Google LMS is required. May initiate blended learning system among students.
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Report of the  
External Academic & Administrative Audit Committee, 2019-20, GCET  
Department of Mechanical Engineering

- Dr. A. Sita Rama Raju,  
Professor, Mech. Engg, Anurag University. Hyd.

**Good Practices**

1. Existence of student and faculty mentoring system and its effective implementation
2. Identification of bright and weak students; encouraging bright students to take value added courses for their career growth, and motivating weak students to perform better.
3. Undertaking Academic and Administrative Audit each year.

**Strengths**

1. Good faculty retention rate (>90%)
2. Faculty-student ratio is better than prescribed norms.
3. well maintained records

**Weaknesses**

1. No sponsored R&D projects
2. No consultancy activity
3. Majority of faculty not having Ph.D qualification

**Concerns**

1. Student intake quality is poor
2. Very few professional body activities
3. Meagre core company placements

**Deficiencies**

1. Not having PG program
2. No considerable industry-institute interaction
3. Lack of student transformation as Entrepreneurs

**Recommendations**

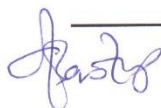
1. Project / problem based learning courses may be introduced wherever
2. Additional inputs and remedial classes through ICT may be encouraged

**Brief report**

All records are well maintained. However, the action taken on the feedback system may be improved.

**Suggestions for improving the academic quality**

1. For improving collaborative learning it is suggested to make the student groups of heterogeneous nature of academic activity.
2. Encourage students to participate in various competences within and outside the state.
3. Conduct both National and International conferences.



Report of the  
External Academic & Administrative Audit Committee, 2019-20, GCET  
Department of Management Studies

Dr.N. Sravanthi, Professor, Mgt. Studies,  
MVSR Engineering College.

**Strengths**

1. Strong curriculum
2. Pro-active teaching- learning environment
3. Committed and dedicated faculty and staff

**Weaknesses**

1. Student results - 73%.
2. Dropouts reduced, strength to 52.
3. Industry Interaction

**Concerns**

1. CRT exclusively designed for MBA students as per industry requirements
2. Projects should be industry based
3. Research projects – funded ones from ICSSR, DST in collaboration with Engg. depts.

**Deficiencies**

1. Mentoring / counselling for MBA students can be initiated
2. Average salary of MBA students can be higher.
3. Industry interaction can be improved

**Recommendations**

1. Research publications b faculty in indexed journals can be improved.
2. Employability skills of students can be improved

**Brief report**

1. Curriculum is good
2. TLP is satisfactory

**Suggestions for improving the academic quality**

1. Placements are to be improved.
2. Campus Recruitment Training should be initiated for MBA students.

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