



APJ Abdul Kalam Technological University
CET Campus, Thiruvananthapuram
Kerala -695016
India

Academic Audit Report 2021 - 2022

Basic Details

Institution	MEA ENGINEERING COLLEGE, PERINTHALMANNA
First Auditor Name	Dr Gopakumar A
Second Auditor Name	
Visit	First
Semester Type	Even

College Specific Assessments

Key Aspects	Rating	Auditor Remarks	Principal's Response
Compliance to the Academic Calendar of KTU (A)	Excellent(5)		
Functioning of students grievances and appeal committee (A)	Fair(3)	No grievance reported to the committee this year. Most of the grievances are reported to the Principal through college union.	Already there is a Students Grievance Redressal Committee (SGRC) in the College and same has been displayed in the notice board and website also. Since there is no any Grievance, Students have not approached SGRC. The Grievance with respect to Conduction of Programs are directly reported to Principal through college union.
Functioning of Academic Discipline Welfare committee (A)	Good(4)	No issues reported	

Average student to faculty ratio (A)	Excellent(5)	1.0825	
Faculty Retention (A)	Excellent(5)		
Faculty Qualification Index (A)	Fair(3)	Index=5.1	We are indented to recruit more PhD holders and we have recruited recently one PhD holder in Mechanical Department and One more about to join in CSE Department. Also we have given advertisement in facultyplus.com for recruitment of PhDs.
Number of qualified technical staff (A)	Good(4)		
Facility of central library with respect to volume and title of books, online print journals (A)	Good(4)	Considering the number of offered by the institution , library resources needs to be improved.	Since we are about to start two new programs, we are in the process of purchasing more Books. Other than Books in central Library we have more Books in individual department Library.
Functioning of IQAC and Progress of IQAC report uploading (A)	Excellent(5)		
Institution Budget (A)	Good(4)		
Details of central computing facility (A)	Good(4)		
Principals response on previous audit reports (A)	Excellent(5)		

Student Interaction

Key Aspects	Rating	Auditor Remarks	Principal's Response
Syllabus coverage (B)	Excellent(5)		
Lab Facility and conduct of Labs (B)	Good(4)		
Co-curricular facility (B)	Excellent(5)	IEDE fest, IEEE SB chapter activities. Coding skill development event initiated by students.	
Extra-curricular facility (B)	Excellent(5)	Arts festival, Sports day	
Transferring all intimation from University in time (B)	Excellent(5)		
Approach of the management in addressing student grievance (B)	Good(4)	Grievances are normally conveyed to the Principal through college union	
Availability of Faculty for all subjects (A)	Excellent(5)		
Any other remarks (C)	Not Relevant	Students have requested for reducing their academic load. Complaints were raised on the delay in the publication of results of regular examination and those after reevaluation. Lack of sufficient semester break were also pointed out by the students	
Extra fees/fine imposed on students (B)	Excellent(5)	Students have reported that no extra fees are imposed	

B.Tech

No of B.Tech Students	1181
-----------------------	------

Artificial Intelligence and Data Science-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
-------------	--------	-----------------	----------------------

Class/course committee meetings and action taken report (B)	Good(4)	Signed copy of minutes may be maintained	At present Soft copy minutes are maintained but the attendance registered is maintained separately in a register.
Advisory meetings and action taken report (B)	Good(4)	Include all students in the advisory meetings as prescribed in the university regulations	The same will be implemented in the coming meeting onwards.
Syllabus coverage as per course plan (B)	Good(4)		
Conduct of Tutorial Classes (B)	Good(4)		
Evaluation of Answer Scripts (A):	Good(4)		
Conduct of practical courses (B)	Good(4)		
Evaluation of students performance in practical classes (A):	Good(4)		
Facility to do experiments in the lab (A)	Good(4)		
Conduct of remedial/minor/honours classes (B)	Not Relevant		
Maintenance of course diary (A)	Good(4)		
Assessment of Outcomes (A)	Good(4)		
Faculty evaluation amp remarks of the HoD (A)	Good(4)		
Conduct of Seminar, Mini project, Project amp Thesis (A)	Not Relevant		
Computing facility in the department (A)	Good(4)		
Facility for co-curricular and extracurricular activities (B)	Good(4)		

Students attending MOOC or other online courses (B)	Not Relevant		
---	--------------	--	--

INFORMATION TECHNOLOGY-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Class/course committee meetings and action taken report (B)	Good(4)	Signed copies of minutes may be maintained	At present Soft copy minutes are maintained. In the coming semesters signed hard copy will be maintained
Advisory meetings and action taken report (B)	Good(4)	Include all students in the advisory meetings as prescribed in the university regulations	The same will be implemented in the upcoming meeting onwards.
Syllabus coverage as per course plan (B)	Good(4)		
Conduct of Tutorial Classes (B)	Fair(3)	1:20 maintained for tutorial classes. Tutorial register is maintained. Some mismatch noted with respect to the timetable in the register.	It will be rectified in the upcoming semesters
Evaluation of Answer Scripts (A):	Good(4)		
Conduct of practical courses (B)	Good(4)		
Evaluation of students performance in practical classes (A):	Good(4)		
Facility to do experiments in the lab (A)	Excellent(5)		
Conduct of remedial/minor/honours classes (B)	Fair(3)	Honours- Nil Minor- Nil Honours and minor courses need to be promoted	Students are mentored to enroll in Honors and Minor course
Maintenance of course diary (A)	Good(4)		
Assessment of Outcomes (A)	Good(4)		

Faculty evaluation amp remarks of the HoD (A)	Excellent(5)	100% students participated in the faculty evaluation	
Conduct of Seminar, Mini project, Project amp Thesis (A)	Good(4)		
Computing facility in the department (A)	Good(4)	student : Computer ratio - 1:1	
Facility for co-curricular and extracurricular activities (B)	Good(4)		
Students attending MOOC or other online courses (B)	Fair(3)	Enrolment needs to be improved	Mentored students to register more MOOC courses in the coming semesters.

ELECTRONICS & COMMUNICATION ENGG-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Class/course committee meetings and action taken report (B)	Good(4)	Signed copies of minutes may be maintained .either in soft or hard format	At present Soft copy minutes are maintained but the attendance registered is maintained separately in a register.
Advisory meetings and action taken report (B)	Good(4)	Include all students in the advisory meetings as prescribed in the university regulations	The same will be implemented in the upcoming meeting onwards.
Syllabus coverage as per course plan (B)	Good(4)		
Conduct of Tutorial Classes (B)	Fair(3)	Tutorial hours missing in subject plan	Tutorial classes has been conducted but not mentioned in the course plan. In the coming semesters it will be shown in the course plan.
Evaluation of Answer Scripts (A):	Good(4)		

Conduct of practical courses (B)	Good(4)	6/12 experiments completed in DE lab	DE lab is in ongoing semester for S4 CSE. so far 6 experiments conducted and the remaining will be completed before the end of the semester.
Evaluation of students performance in practical classes (A):	Good(4)		
Facility to do experiments in the lab (A)	Good(4)		
Conduct of remedial/minor/honours classes (B)	Good(4)		
Maintenance of course diary (A)	Good(4)		
Assessment of Outcomes (A)	Good(4)		
Faculty evaluation amp remarks of the HoD (A)	Fair(3)	Not accessible	Not asked by the auditors. Already soft copy available.
Conduct of Seminar, Mini project, Project amp Thesis (A)	Good(4)		
Computing facility in the department (A)	Good(4)		
Facility for co-curricular and extracurricular activities (B)	Good(4)		
Students attending MOOC or other online courses (B)	Poor(2)	Only 1 out of 48 students attended MOOCS. Needs improvement in enrolment.	Mentored students to register more MOOC courses in the coming semesters.

CIVIL ENGINEERING-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Class/course committee meetings and action taken report (B)	Good(4)	Signed copies of minutes may be maintained	At present Soft copy minutes are maintained but the attendance registered is maintained separately in a register.

Advisory meetings and action taken report (B)	Good(4)	Include all students in the advisory meetings as prescribed in the university regulations	The same will be implemented in the coming meeting.
Syllabus coverage as per course plan (B)	Excellent(5)		
Conduct of Tutorial Classes (B)	Good(4)		
Evaluation of Answer Scripts (A):	Good(4)		
Conduct of practical courses (B)	Good(4)		
Evaluation of students performance in practical classes (A):	Good(4)		
Facility to do experiments in the lab (A)	Good(4)		
Conduct of remedial/minor/honours classes (B)	Good(4)		
Maintenance of course diary (A)	Good(4)		
Assessment of Outcomes (A)	Good(4)		
Faculty evaluation amp remarks of the HoD (A)	Excellent(5)		
Conduct of Seminar, Mini project, Project amp Thesis (A)	Excellent(5)	KSCSTE funded project- 20K NATPAC funded project- 70K	
Computing facility in the department (A)	Excellent(5)		
Facility for co-curricular and extracurricular activities (B)	Good(4)		
Students attending MOOC or other online courses (B)	Fair(3)	4.34 % enrolled .for MOOCs. Needs improvement in enrolment	Mentored students to register more MOOC courses in the coming semesters.

Robotics and Automation-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Class/course committee meetings and action taken report (B)	Not Relevant		
Advisory meetings and action taken report (B)	Not Relevant		
Syllabus coverage as per course plan (B)	Not Relevant		
Conduct of Tutorial Classes (B)	Not Relevant		
Evaluation of Answer Scripts (A):	Not Relevant		
Conduct of practical courses (B)	Not Relevant		
Evaluation of students performance in practical classes (A):	Not Relevant		
Facility to do experiments in the lab (A)	Not Relevant		
Conduct of remedial/minor/honours classes (B)	Not Relevant		
Maintenance of course diary (A)	Not Relevant		
Assessment of Outcomes (A)	Not Relevant		
Faculty evaluation amp remarks of the HoD (A)	Not Relevant		
Conduct of Seminar, Mini project, Project amp Thesis (A)	Not Relevant		
Computing facility in the department (A)	Not Relevant		
Facility for co-curricular and extracurricular activities (B)	Not Relevant		

Students attending MOOC or other online courses (B)	Not Relevant		
---	--------------	--	--

MECHANICAL ENGINEERING-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Class/course committee meetings and action taken report (B)	Good(4)	Minutes of the meeting may be maintained with the signatures of the attendees (even in the soft format). Action taken needs to be included.	At present Soft copy minutes are maintained but the attendance registered is maintained separately in a register. Action taken report is already available without sub heading .
Advisory meetings and action taken report (B)	Good(4)	Include all students in the advisory meetings as prescribed in the university regulations	The same will be implemented in the upcoming meeting onwards.
Syllabus coverage as per course plan (B)	Good(4)	Faculty expressed difficulty to follow the published course plan	As far as theory subjects is concern the faculties can go more or less equal to syllabus coverage as prescribed by KTU Plan but in case of problematic papers extra hours are needed to cover the syllabus and it may lead to deviation as prescribed by the KTU plan.
Conduct of Tutorial Classes (B)	Excellent(5)	Tutorial register is maintained	
Evaluation of Answer Scripts (A):	Good(4)		
Conduct of practical courses (B)	Good(4)		
Evaluation of students performance in practical classes (A):	Excellent(5)		
Facility to do experiments in the lab (A)	Excellent(5)		

Conduct of remedial/minor/honours classes (B)	Good(4)	No Honours courses. Offer minor course	
Maintenance of course diary (A)	Excellent(5)		
Assessment of Outcomes (A)	Excellent(5)		
Faculty evaluation amp remarks of the HoD (A)	Good(4)		
Conduct of Seminar, Mini project, Project amp Thesis (A)	Good(4)	KSCSTE funding for one Project	
Computing facility in the department (A)	Good(4)		
Facility for co-curricular and extracurricular activities (B)	Good(4)	Professional society activities may be improved	Already IEI student chapter exists in the department and various activities has been conducted in the department.
Students attending MOOC or other online courses (B)	Fair(3)	8.5% Enrolment . Needs to be improved	Mentored students to register more MOOC courses in the coming semesters.

ELECTRICAL AND ELECTRONICS ENGINEERING-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Class/course committee meetings and action taken report (B)	Good(4)	Signed copies of minutes may be maintained	At present Soft copy minutes are maintained but the attendance registered is maintained separately in a register.
Advisory meetings and action taken report (B)	Good(4)	Include all students in the advisory meetings as prescribed in the university regulations	The same will be implemented in the coming meeting.

Syllabus coverage as per course plan (B)	Good(4)	Faculty has expressed difficulty in covering the syllabus as per the schedule	As far as theory subjects is concern the faculties can go more or less equal to syllabus coverage as prescribed by KTU Plan but in case of problematic papers extra hours are needed to cover the syllabus and it may lead to deviation as prescribed by the KTU plan.
Conduct of Tutorial Classes (B)	Excellent(5)		
Evaluation of Answer Scripts (A):	Excellent(5)		
Conduct of practical courses (B)	Excellent(5)		
Evaluation of students performance in practical classes (A):	Good(4)		
Facility to do experiments in the lab (A)	Good(4)		
Conduct of remedial/minor/honours classes (B)	Fair(3)	Honours- 1 student Minor- Nil	Minor - 2
Maintenance of course diary (A)	Excellent(5)		
Assessment of Outcomes (A)	Good(4)		
Faculty evaluation amp remarks of the HoD (A)	Good(4)		
Conduct of Seminar, Mini project, Project amp Thesis (A)	Excellent(5)	KSCSTE funding for 4 B tech projects with funding of Rs.10,000 each CERD funding of Rs:50,000/-	
Computing facility in the department (A)	Excellent(5)		
Facility for co-curricular and extracurricular activities (B)	Excellent(5)	Active professional society activities	

Students attending MOOC or other online courses (B)	Fair(3)	Enrolment needs to be improved	Mentored students to register more MOOC courses in the coming semesters.
---	---------	--------------------------------	--

COMPUTER SCIENCE & ENGINEERING-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Class/course committee meetings and action taken report (B)	Good(4)	Signed copies of minutes may be maintained	Hard copy is available in the department and shown while auditing.
Advisory meetings and action taken report (B)	Good(4)	Include all students in the advisory meetings as prescribed in the university regulations	The same will be implemented in the upcoming meeting onwards.
Syllabus coverage as per course plan (B)	Excellent(5)		
Conduct of Tutorial Classes (B)	Excellent(5)		
Evaluation of Answer Scripts (A):	Good(4)		
Conduct of practical courses (B)	Excellent(5)		
Evaluation of students performance in practical classes (A):	Good(4)		
Facility to do experiments in the lab (A)	Excellent(5)		
Conduct of remedial/minor/honours classes (B)	Good(4)	Minor course needs to be promoted. 15 students have registered for Honors in S4	
Maintenance of course diary (A)	Excellent(5)		
Assessment of Outcomes (A)	Good(4)		

Faculty evaluation amp remarks of the HoD (A)	Good(4)	More than 50% students participated in the evaluation. Faculty of courses with >90% pass are appreciated.	
Conduct of Seminar, Mini project, Project amp Thesis (A)	Good(4)		
Computing facility in the department (A)	Good(4)		
Facility for co-curricular and extracurricular activities (B)	Good(4)		
Students attending MOOC or other online courses (B)	Fair(3)	No of students attended =8 Needs improvement in enrolment	Mentored students to register more MOOC courses in the coming semesters.

M.Tech

No of M.Tech Students	12
------------------------------	----

ELECTRONICS AND COMMUNICATION ENGINEERING(COMMUNICATION ENGINEERING)-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Class/course committee meetings and action taken report (B)	Good(4)	Signed copies of minutes may be maintained	At present Soft copy minutes are maintained but the attendance registered is maintained separately in a register.
Syllabus coverage as per course plan (B)	Not Relevant		
Evaluation of Answer Scripts (A):	Not Relevant		
Maintenance of course diary (A)	Good(4)		
Faculty evaluation amp remarks of the HoD (A)	Good(4)		
Facility in the department library for references (C)	Good(4)		

Conduct of Seminar, Mini project, Project amp Thesis (A)	Good(4)		
Faculty with Ph.D for the program (A)	Good(4)		
Computing facility in the department (A)	Good(4)		
Facility for co-curricular and extracurricular activities (B)	Good(4)		
Students attending MOOC or other online courses (B)	Good(4)		

COMPUTER SCIENCE AND ENGINEERING(COMPUTER SCIENCE AND ENGINEERING)-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Class/course committee meetings and action taken report (B)	Good(4)	Signed copies of minutes may be maintained	Hard copy is available in the department and shown while auditing.
Syllabus coverage as per course plan (B)	Good(4)		
Evaluation of Answer Scripts (A):	Good(4)		
Maintenance of course diary (A)	Good(4)		
Faculty evaluation amp remarks of the HoD (A)	Good(4)		
Facility in the department library for references (C)	Good(4)		
Conduct of Seminar, Mini project, Project amp Thesis (A)	Good(4)		
Faculty with Ph.D for the program (A)	Good(4)		
Computing facility in the department (A)	Good(4)		
Facility for co-curricular and extracurricular activities (B)	Good(4)		

Students attending MOOC or other online courses (B)	Poor(2)	No students attended MOOCS	Mentored students to register more MOOC courses in the coming semesters.
---	---------	----------------------------	--

ELECTRICAL AND ELECTRONICS ENGINEERING(POWER ELECTRONICS AND DRIVES)-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Class/course committee meetings and action taken report (B)	Good(4)	Signed copies of minutes may be maintained	At present Soft copy minutes are maintained but the attendance registered is maintained separately in a register.
Syllabus coverage as per course plan (B)	Not Relevant	No students in S2. S4 students are undergoing Masters research project.	
Evaluation of Answer Scripts (A):	Not Relevant		
Maintenance of course diary (A)	Good(4)		
Faculty evaluation amp remarks of the HoD (A)	Good(4)		
Facility in the department library for references (C)	Good(4)		
Conduct of Seminar, Mini project, Project amp Thesis (A)	Good(4)		
Faculty with Ph.D for the program (A)	Good(4)		
Computing facility in the department (A)	Good(4)	Configuration of the system may be improved .	
Facility for co-curricular and extracurricular activities (B)	Good(4)		
Students attending MOOC or other online courses (B)	Good(4)		