



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

Academic Audit Report
2019 - 2020

Basic Details

Institution	GOVERNMENT COLLEGE OF ENGINEERING KANNUR
First Auditor Name	Arjun M
Second Auditor Name	
Visit	First
Semester Type	Odd

College Specific Assessments

Key Aspects	Rating	Auditor Remarks	Principal's Response
Compliance to the Academic Calendar of KTU	Excellent(5)	All events mentioned in the KTU calendar is being followed.	Agreed
Functioning of students grievances and appeal committee	Excellent(5)	Meeting convened. Minutes entered in the register.	Agreed
Functioning of Academic Discipline & Welfare committee	Excellent(5)	Meeting convened and minutes recorded in the register.	Agreed
Facility for co- curricular and extracurricular activities	Excellent(5)	IEEE and ISTE chapter was recognized as Best state chapter.	Agreed
Average student to faculty ratio	Excellent(5)	SFR is 1.5789. Total number of students 1482 Total number of faculties 117	Agreed
Faculty Retention	Excellent(5)	SFR is more than 1	Agreed
Faculty Qualification Index	Fair(3)	5.46	Agreed

Number of qualified technical staff	Excellent(5)	101	Agreed
Facility of central library with respect to volume and title of books, online & print journals	Excellent(5)	Total number of books 40,489. Total titles 16,620. E journals of ASCE, ASME, Springer-Electrical & CS (149 titles), AICTE Elsvier - Electronics & CS (275) and IEEE full	Agreed
Functioning of IQAC and progress of IQAC report uploading	Excellent(5)	2 meetings of IQAC was conducted and minutes recorded was verified. all the montly reports were also uploaded to the portal	Agreed
Principal's response on previous audit reports	Excellent(5)	Previous audit report with principal's response was verified.	Agreed

Student Interaction

Key Aspects	Rating	Auditor Remarks	Principal's Response
Syllabus coverage	Excellent(5)	No complaints received	Agreed
Lab Facility and conduct of Labs	Good(4)	students are happy with the lab facilities. Some students are concerned about the competency of some lab staff in handling certain software.	Agreed
Co-curricular facility	Excellent(5)	Satisfied with the facilities	Agreed
Extra-curricular facility	Excellent(5)	Satisfied with the facilities	Agreed
All intimation from University conveyed properly in time	Excellent(5)	Yes proper communication is there.	Agreed
Extra fees/fine imposed on students	Excellent(5)	No	Agreed
Approach of the management in addressing student grievances	Excellent(5)	Grievance cell working properly and continuous.	Agreed
Availability of Faculty for all subjects	Excellent(5)	available for all subjects	Agreed
Any other remarks	Excellent(5)	Will attach separate report for the discussions and will be mailed.	Agreed

B.Tech

No of B.Tech Students	1431
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MECHANICAL ENGINEERING-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Class/course committee meetings and action taken report	Excellent(5)	Meetings convened and minutes verified.	Agreed
Advisory meetings and action taken report	Excellent(5)	Meeting were convened and register verified.	Agreed

Schedule of Time Table	Excellent(5)	Department, class and faculty time tables were verified.	Agreed
Conduct of Tutorial Classes	Excellent(5)	Conducted for most of the courses having tutorials	Agreed
Conduct of series tests	Excellent(5)	First series test was conducted during 25th, 26th and 30th of September 2019.	Agreed
Syllabus coverage of practical course	Excellent(5)	Most of the experiments are completed for all the laboratory courses.	Agreed
Evaluation of students performance in practical classes	Excellent(5)	Continuous evaluation sheet was verified and cross checked with sample records.	Agreed
Conduct of Practical test	Not Relevant		Agreed
Facility to do experiments in the lab	Excellent(5)	Most of the experiments can be done. checked with stock register.	Agreed
Conduct of remedial/minor/honours classes	Excellent(5)	Remedial class register was verified.	Agreed
Assessment of Outcomes	Excellent(5)	Outcomes were assessed for all first semester courses.	Agreed
Faculty evaluation & remarks of the HOD	Excellent(5)	Evaluation was done and consolidated sheet was verified.	Agreed
Facility in the department library for references	Excellent(5)	Books 1543 Titles - 523	Agreed
Maintenance of course diary	Excellent(5)	maintained	Agreed
Syllabus coverage as per course plan	Excellent(5)	Covered as per norms.	Agreed

ELECTRICAL AND ELECTRONICS ENGINEERING-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
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Class/course committee meetings and action taken report	Excellent(5)	All meetings were convened. Minutes and action taken reports were verified.	Agreed
Advisory meetings and action taken report	Excellent(5)	Meeting was convened and minutes were recorded.	Agreed
Schedule of Time Table	Excellent(5)	Department and class time tables were checked.	Agreed
Conduct of Tutorial Classes	Excellent(5)	Conducted for most of the courses for which tutorials are mentioned in the syllabus.	Agreed
Conduct of series tests	Excellent(5)	First series test was conducted during 25th, 26th and 30th of September 2019	Agreed
Syllabus coverage of practical course	Excellent(5)	80% of syllabus was covered for almost all practical courses.	Agreed
Evaluation of students performance in practical classes	Excellent(5)	Continuous evaluation is there and consolidated sheet was verified.	Agreed
Conduct of Practical test	Not Relevant		Agreed
Facility to do experiments in the lab	Excellent(5)	Most of the experiments mentioned in the syllabus can be done for all practical courses.	Agreed
Conduct of remedial/minor/honours classes	Excellent(5)	Remedial classes are recorded in the register and was verified.	Agreed
Assessment of Outcomes	Excellent(5)	Assessed for most of the first semester courses.	Agreed
Faculty evaluation & remarks of the HOD	Excellent(5)	Evaluation done and consolidated sheet in custody of HoD.	Agreed
Facility in the department library for references	Excellent(5)	Books - 1800 Titles - 974	Agreed
Maintenance of course diary	Excellent(5)	Maintained	Agreed

Syllabus coverage as per course plan	Excellent(5)	Covered as per norms.	Agreed
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CIVIL ENGINEERING-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Class/course committee meetings and action taken report	Excellent(5)	All class committee meetings were convened and minutes has been recorded with action taken report.	Agreed
Advisory meetings and action taken report	Excellent(5)	Minutes of meetings were available.	Agreed
Schedule of Time Table	Excellent(5)	Time table was verified.	Agreed
Conduct of Tutorial Classes	Excellent(5)	Conducted as per the syllabus for most of the courses	Agreed
Conduct of series tests	Excellent(5)	25th, 26th and 30th of September 2019	Agreed
Syllabus coverage of practical course	Excellent(5)	More than 80% of experiments mentioned in the syllabus was completed for most of the practical courses.	Agreed
Evaluation of students performance in practical classes	Excellent(5)	Continuous evaluation was done and the mark sheet for the same is available in the course diary. the same was marked in the record also.	Agreed
Conduct of Practical test	Not Relevant		Agreed
Facility to do experiments in the lab	Excellent(5)	almost all experiments can be done for all practical courses.	Agreed
Conduct of remedial/minor/honours classes	Excellent(5)	Remedial classes are conducted and recorded in a register.	Agreed

Assessment of Outcomes	Fair(3)	outcomes were evaluated for almost all first year courses. but the final values were not available.	Agreed
Faculty evaluation & remarks of the HOD	Excellent(5)	1 evaluation at mid semester was conducted. consolidated sheet is available with HoD and has HoD's remarks.	Agreed
Facility in the department library for references	Excellent(5)	Books available - 1624 Titles - 548	Agreed
Maintenance of course diary	Excellent(5)	Maintained.	Agreed
Syllabus coverage as per course plan	Excellent(5)	Covered as per university norms.	Agreed

ELECTRONICS & COMMUNICATION ENGG-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Class/course committee meetings and action taken report	Excellent(5)	Meetings convened. minutes verified	Agreed
Advisory meetings and action taken report	Excellent(5)	meeting convened. minutes and action taken verified.	Agreed
Schedule of Time Table	Excellent(5)	Departmental, class and faculty time table verified.	Agreed
Conduct of Tutorial Classes	Excellent(5)	Conducted as per norms. Tutorial register verified.	Agreed
Conduct of series tests	Excellent(5)	First series test conducted during 25th, 26th and 30th of September 2019	Agreed
Syllabus coverage of practical course	Excellent(5)	almost 80% of syllabus covered for almost all laboratory courses. Sample course files were verified.	Agreed
Evaluation of students performance in practical classes	Excellent(5)	Continuous evaluation is being done. Verified the course diary and lab record.	Agreed
Conduct of Practical test	Not Relevant		Agreed

Facility to do experiments in the lab	Excellent(5)	Almost all experiments mentioned in the syllabus can be done. verified the stock register.	Agreed
Conduct of remedial/minor/honours classes	Excellent(5)	Remedial classes were conducted. Register was verified.	Agreed
Assessment of Outcomes	Excellent(5)	Assessed for most of the first semester courses.	Agreed
Faculty evaluation & remarks of the HOD	Excellent(5)	Evaluation was done. Consolidated report with HoD's remarks was verified.	Agreed
Facility in the department library for references	Excellent(5)	Books 2077 Titles 803	Agreed
Maintenance of course diary	Excellent(5)	maintained	Agreed
Syllabus coverage as per course plan	Excellent(5)	Covered as per syllabus. Course diary verified.	Agreed

COMPUTER SCIENCE AND ENGINEERING-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Class/course committee meetings and action taken report	Excellent(5)	All class committees were convened and minutes with action taken report were recorded.	Agreed
Advisory meetings and action taken report	Excellent(5)	Meeting convened and minutes recorded.	Agreed
Schedule of Time Table	Excellent(5)	time table was verified.	Agreed
Conduct of Tutorial Classes	Excellent(5)	Most of the courses having tutorials have conducted tutorial sessions as per norms.	Agreed
Conduct of series tests	Excellent(5)	First series was conducted during 25th, 26th and 30th of September 2019	Agreed
Syllabus coverage of practical course	Excellent(5)	most of the practical courses have completed 80% of the syllabus.	Agreed

Evaluation of students performance in practical classes	Excellent(5)	Continuous evaluation is taking place. Evaluation sheet was available in the course diary and also recorded in the students record book.	Agreed
Conduct of Practical test	Not Relevant		Agreed
Facility to do experiments in the lab	Excellent(5)	Almost all the experiments mentioned in the syllabus can be done for most of the practical courses.	Agreed
Conduct of remedial/minor/honours classes	Good(4)	Remedial classes are conducted and details was verified from register.	Agreed
Assessment of Outcomes	Excellent(5)	Outcomes were assessed for most of the first semester subjects.	Agreed
Faculty evaluation & remarks of the HOD	Excellent(5)	Evaluation was done. the result were consolidated and had HoD's remarks were there for some.	Agreed
Facility in the department library for references	Excellent(5)	total books - 1624 titles - 548	Agreed
Maintenance of course diary	Excellent(5)	Maintained	Agreed
Syllabus coverage as per course plan	Excellent(5)	4 modules were covered for most of the courses.	Agreed

M.Tech

No of M.Tech Students	151
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ELECTRONICS AND COMMUNICATION ENGINEERING(SIGNAL PROCESSING AND EMBEDDED SYSTEMS)-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Maintenance of course diary	Excellent(5)	Maintained	Agreed

Syllabus coverage as per course plan	Excellent(5)	Covered as per norms. Sample course diaries verified.	Agreed
Class committee meetings and action taken report	Excellent(5)	meeting convened. minutes verified.	Agreed
Conduct of Seminar & Mini project	Excellent(5)	Seminar presentation is on going. Continuous evaluation sheet and schedule verified.	Agreed
Conduct of Thesis	Excellent(5)	first presentation was completed. Evaluation sheet verified.	Agreed
Faculty with Ph.D for the program	Excellent(5)	8 Ph.D holders in the department	Agreed
Students attending MOOC or other online courses	Very Poor(1)	1 M.tech student is doing online course.	Agreed
Facility in the department library for journal reference	Excellent(5)	IEEE journals are subscribed.	Agreed
Computing facility in the department	Excellent(5)	60 systems available in PG lab.	Agreed
Facility available in the department to do thesis work(all relevant licensed software)	Excellent(5)	7 software are available in PG lab.	Agreed

CIVIL ENGINEERING(COMPUTER AIDED STRUCTURAL ENGINEERING)-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Maintenance of course diary	Excellent(5)	Maintained	Agreed
Syllabus coverage as per course plan	Excellent(5)	Covered as per norms	Agreed
Class committee meetings and action taken report	Excellent(5)	Meetings were conducted and minutes were recorded. Register was verified	Agreed
Conduct of Seminar & Mini project	Excellent(5)	First evaluation was completed. Continuous evaluation sheet was available in the course diary.	Agreed

Conduct of Thesis	Excellent(5)	First evaluation was completed. Evaluation sheet is available in the course diary.	Agreed
Faculty with Ph.D for the program	Excellent(5)	5 faculties with Ph.D in the department.	Agreed
Students attending MOOC or other online courses	Poor(2)	only 16 students are doing online courses (15 B.tech + 1 M.Tech)	Agreed
Facility in the department library for journal reference	Excellent(5)	E journals of American Society of Civil Engineers is available in the library.	Agreed
Computing facility in the department	Excellent(5)	20 PCs are available exclusively for PG students along with 5 workstations.	Agreed
Facility available in the department to do thesis work(all relevant licensed software)	Excellent(5)	10 softwares are available. most of them are 3,4,10 & 20 user packs.	Agreed

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

Key Aspects	Rating	Auditor Remarks	Principal's Response
Maintenance of course diary	Excellent(5)	maintained	Agreed
Syllabus coverage as per course plan	Excellent(5)	Covered as per norms	Agreed
Class committee meetings and action taken report	Excellent(5)	Meeting convened on 29/10/2019. Minutes and taken taken report were verified.	Agreed
Conduct of Seminar & Mini project	Excellent(5)	Seminar presentation is almost over. Evaluation sheet was verified.	Agreed
Conduct of Thesis	Excellent(5)	First presentation was conducted. Evaluation sheet verified	Agreed
Faculty with Ph.D for the program	Excellent(5)	8 Ph.D holders in the department.	Agreed

Students attending MOOC or other online courses	Very Poor(1)	NIL	Agreed
Facility in the department library for journal reference	Excellent(5)	E journals are available for reference in the library	Agreed
Computing facility in the department	Excellent(5)	20 systems are available in the PG lab.	Agreed
Facility available in the department to do thesis work(all relevant licensed software)	Excellent(5)	4 software of 5 user pack is available in PG lab.	Agreed

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

Key Aspects	Rating	Auditor Remarks	Principal's Response
Maintenance of course diary	Excellent(5)	Maintained	Agreed
Syllabus coverage as per course plan	Excellent(5)	Covered as per norms	Agreed
Class committee meetings and action taken report	Excellent(5)	Meetings were convened and minutes book was verified	Agreed
Conduct of Seminar & Mini project	Excellent(5)	Seminar evaluation is going on. Evaluation sheet was verified.	Agreed
Conduct of Thesis	Excellent(5)	First presentation was done. Continuous evaluation sheet was verified.	Agreed
Faculty with Ph.D for the program	Excellent(5)	8 Ph.D holders in the department.	Agreed
Students attending MOOC or other online courses	Very Poor(1)	no students have joined for online courses.	Agreed
Facility in the department library for journal reference	Excellent(5)	e journals are available in the department library.	Agreed
Computing facility in the department	Excellent(5)	20 systems available for PG students	Agreed

Facility available in the department to do thesis work(all relevant licensed software)	Excellent(5)	Mypower, MATLAB, ANSYS, Magnet softwares are available in the PG lab - 5 user packs.	Agreed
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MECHANICAL ENGINEERING(ADVANCED MANUFACTURING AND MECHANICAL SYSTEMS DESIGN)-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Maintenance of course diary	Excellent(5)	Maintained	Agreed
Syllabus coverage as per course plan	Excellent(5)	Covered as per norms. verified with sample course diaries	Agreed
Class committee meetings and action taken report	Excellent(5)	meetings convened. verified the register.	Agreed
Conduct of Seminar & Mini project	Excellent(5)	Seminar evaluation is undergoing. Continuous evaluation sheet was verified.	Agreed
Conduct of Thesis	Excellent(5)	First presentation was completed. documents verified.	Agreed
Faculty with Ph.D for the program	Excellent(5)	9 Ph.D holders in the department	Agreed
Students attending MOOC or other online courses	Poor(2)	9 students (5 B.Tech and 4 M.Tech)	Agreed
Facility in the department library for journal reference	Excellent(5)	E journals are available in the library	Agreed
Computing facility in the department	Excellent(5)	40 systems in PG lab.	Agreed
Facility available in the department to do thesis work(all relevant licensed software)	Excellent(5)	Ansys, solidworks, catia,witnes - 5 user packs	Agreed