



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

**Academic Audit Report**  
**2020 - 2021**

**Basic Details**

Institution	<b>GOVERNMENT COLLEGE OF ENGINEERING KANNUR</b>
First Auditor Name	<b>K M Peethambaran</b>
Second Auditor Name	
Visit	<b>First</b>
Semester Type	<b>Odd</b>

**College Specific Assessments**

<b>Key Aspects</b>	<b>Rating</b>	<b>Auditor Remarks</b>	<b>Principal's Response</b>
Compliance to the Academic Calendar of KTU (B)	Excellent(5)	Syllabus coverage, series tests and other activities as per academic calendar	Agree
Functioning of students grievances and appeal committee (B)	Excellent(5)	Grievances and appeals of students are properly managed	Agree
Average student to faculty ratio (A)	Excellent(5)	1.38	Agree
Faculty Qualification Index (A)	Excellent(5)	7.8	Agree
Number of qualified technical staff (A)	Excellent(5)	103,as per AICTE norms	Agree
Facility of central library with respect to volume, title of books, online print journals (A)	Excellent(5)	As per AICTE norms	Agree
Functioning of IQAC and Progress of IQAC report uploading (A)	Good(4)	Functioning properly	Agree

**Student Interaction**

Key Aspects	Rating	Auditor Remarks	Principal's Response
Syllabus coverage (B)	Excellent(5)	Excellent	Agree
Effectiveness of teaching/learning process	Excellent(5)	Excellent	Agree
Conduct of Labs (B)	Excellent(5)	Excellent	Agree
Continuous assessment (B)	Excellent(5)	Excellent	Agree
Interaction/discussion/doubt clearing etc (A)	Excellent(5)	Excellent	Agree
Net connectivity issue	Excellent(5)	Network issue exists for a few students	Agree
Extra fees/fine imposed on students (B)	Not Relevant		
Approach of the management/institution in addressing student grievances (B)	Excellent(5)	Students grievances are attended in time and solved	Good
Availability of Faculty for all subjects (A)	Excellent(5)	Excellent	Agree
Any other remarks (C)	Not Relevant	Nil	

**CIVIL ENGINEERING-(Full Time)**

Key Aspects	Rating	Auditor Remarks	Principal's Response
Class/course committee meetings and action taken report (B)	Excellent(5)		Agree
Advisory meetings and action taken report (B)	Excellent(5)		Agree
Result analysis of previous odd semester (A)	Excellent(5)		Agree
Syllabus coverage as per course plan (A)	Excellent(5)		Agree

Platform used for LMS/Course materials and lectures uploaded (A)	Excellent(5)		Agree
Conduct of minor/honours classes (A)	Excellent(5)		Agree
NPTEL/SWAYAM course materials recommended for reading (B)	Good(4)	More students have to be encouraged for accessing the course materials	Noted
Conduct of Internal assessments for theory and lab classes (A)	Good(4)	Continuous assessment for lab classes needs to be improved	Noted
The mechanisms for taking feedback as to whether the online classes are effective (B)	Excellent(5)		Agree
Conduct of series tests (A)	Excellent(5)		Agree
Maintenance of course diary (A)	Excellent(5)		Agree
Register showing Activity points (B)	Excellent(5)		Agree
Conduct of laboratory classes with relevant details(A)	Good(4)	50% completed. Online practical classes have some limitations.	Agree
Online Faculty evaluation amp remarks of the HoD (A)	Excellent(5)	Number of faculty evaluation ? 01	Agree

#### **ELECTRONICS & COMMUNICATION ENGG-(Full Time)**

<b>Key Aspects</b>	<b>Rating</b>	<b>Auditor Remarks</b>	<b>Principal's Response</b>
Class/course committee meetings and action taken report (B)	Good(4)	ACR not available	Noted
Advisory meetings and action taken report (B)	Good(4)	ACR not available	Noted
Result analysis of previous odd semester (A)	Good(4)		Agree

Syllabus coverage as per course plan (A)	Good(4)	Some subjects do not have course diary	Need to be maintained
Platform used for LMS/Course materials and lectures uploaded (A)	Good(4)	Google Classroom	Need to be maintained
Conduct of minor/honours classes (A)	Good(4)	Minor only	Noted
NPTEL/SWAYAM course materials recommended for reading (B)	Good(4)		Agree
Conduct of Internal assessments for theory and lab classes (A)	Good(4)		Agree
The mechanisms for taking feedback as to whether the online classes are effective (B)	Good(4)	Feedback given in Class Committee meetings	Noted
Conduct of series tests (A)	Good(4)	Scrutiny of question papers via online mode	Agree
Maintenance of course diary (A)	Good(4)	Some Course Diary are missing; Course Diary not through CMS	To be maintained properly
Register showing Activity points (B)	Fair(3)	Not completed	Noted
Conduct of laboratory classes with relevant details(A)	Good(4)	<25% completed	To be improved
Online Faculty evaluation amp remarks of the HoD (A)	Good(4)	Hod?s feedback not available/shown	Noted

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

<b>Key Aspects</b>	<b>Rating</b>	<b>Auditor Remarks</b>	<b>Principal's Response</b>
Class/course committee meetings and action taken report (B)	Excellent(5)		Good
Advisory meetings and action taken report (B)	Excellent(5)		Good

Result analysis of previous odd semester (A)	Excellent(5)		Good
Syllabus coverage as per course plan (A)	Excellent(5)		Good
Platform used for LMS/Course materials and lectures uploaded (A)	Excellent(5)		Good
Conduct of minor/honours classes (A)	Excellent(5)		Good
NPTEL/SWAYAM course materials recommended for reading (B)	Excellent(5)		Good
Conduct of Internal assessments for theory and lab classes (A)	Excellent(5)		Good
The mechanisms for taking feedback as to whether the online classes are effective (B)	Excellent(5)		Good
Conduct of series tests (A)	Excellent(5)		Good
Maintenance of course diary (A)	Good(4)	Majority of the course diaries are perfect. One or two course diaries are incomplete.	Noted
Register showing Activity points (B)	Excellent(5)		Good
Conduct of laboratory classes with relevant details(A)	Excellent(5)		Good
Online Faculty evaluation amp remarks of the HoD (A)	Excellent(5)		Good

#### **MECHANICAL ENGINEERING-(Full Time)**

<b>Key Aspects</b>	<b>Rating</b>	<b>Auditor Remarks</b>	<b>Principal's Response</b>
Class/course committee meetings and action taken report (B)	Excellent(5)	Nicely documented	Agree

Advisory meetings and action taken report (B)	Excellent(5)	Applicable only for S3 B. Tech	Agree
Result analysis of previous odd semester (A)	Good(4)	Previous university exam results of S5 found to be not so good.	Noted
Syllabus coverage as per course plan (A)	Excellent(5)	Subject coverage is very good.	Agree
Platform used for LMS/Course materials and lectures uploaded (A)	Good(4)	CMS, Google meet, Google classroom, Ezpuzzle. Course material uploading need to be improved.	Agree
Conduct of minor/honours classes (A)	Good(4)	25 students registered for S7 Honours course.	Noted
NPTEL/SWAYAM course materials recommended for reading (B)	Fair(3)	Encouragement needs improvement.	Will try to improve
Conduct of Internal assessments for theory and lab classes (A)	Excellent(5)	Assessments are promptly conducted and timely evaluated.	Agree
The mechanisms for taking feedback as to whether the online classes are effective (B)	Fair(3)	The feedback mechanism needs improvement.	Will try for a better mechanisms
Conduct of series tests (A)	Excellent(5)	Promptly conducted and timely evaluated.	Agree
Maintenance of course diary (A)	Excellent(5)	Well maintained.	Agree
Register showing Activity points (B)	Fair(3)	Only S7 is founded to be documented.	Noted
Conduct of laboratory classes with relevant details(A)	Good(4)	70% completed	Noted
Online Faculty evaluation amp remarks of the HoD (A)	Fair(3)	Documentation needs improvement.	Noted

**ELECTRICAL AND ELECTRONICS ENGINEERING-(Full Time)**

<b>Key Aspects</b>	<b>Rating</b>	<b>Auditor Remarks</b>	<b>Principal's Response</b>
Class/course committee meetings and action taken report (B)	Excellent(5)	Class committee meetings were conducted as per KTU academic calendar and regulations	Agree
Advisory meetings and action taken report (B)	Excellent(5)	Advisory meeting was conducted for Third Semester with HoD, Staff Advisors and all students from the class	Agree
Result analysis of previous odd semester (A)	Excellent(5)	Result analysis of previous odd semesters namely S1, S3, and S5 were prepared	Agree
Syllabus coverage as per course plan (A)	Excellent(5)	Minimum 3 modules has been covered for all courses	Agree
Platform used for LMS/Course materials and lectures uploaded (A)	Excellent(5)	Faculty are using Google classrooms and Campus Management System to conduct online classes and upload materials.	Agree
Conduct of minor/honours classes (A)	Excellent(5)	Classes are conducted online	Agree
NPTEL/SWAYAM course materials recommended for reading (B)	Very Poor(1)	1-2 students of S3 and S5 have completed NPTEL courses. Must encourage more students to complete NPTEL/SWAYAM courses.	Need to be improved
Conduct of Internal assessments for theory and lab classes (A)	Excellent(5)	Tutorial classes have been conducted and continuous assessment has been seen followed for the labs.	Agree

The mechanisms for taking feedback as to whether the online classes are effective (B)	Fair(3)	As of now oral feedback is taken from students regarding effectiveness of online classes. A standard online questionnaire could be prepared to gain insight into the effectiveness of online classes.	Noted
Conduct of series tests (A)	Excellent(5)	Series tests were conducted from Oct 5 th to 13 th , 2020 within the time stipulated for its conduction as per KTU academic calendar	Agree
Maintenance of course diary (A)	Good(4)	Course diaries are almost well maintained with omissions of course coverage for 1 or 2 courses.	Agree
Register showing Activity points (B)	Fair(3)	Activity point register must be updated frequently and the students must be informed about their current status. Due to COVID pandemic students have not submitted the proofs for verification.	Agree
Conduct of laboratory classes with relevant details(A)	Excellent(5)	In case of laboratory courses, online platforms and software packages for simulating and performing experiments were used. Faculty raised their concerns of conducting certain experiments like that in Electrical Machines Lab course which can be conducted only in offline mode.	Agree



Online Faculty evaluation amp remarks of the HoD (A)	Excellent(5)	Faculty evaluation was conducted and summary report was shown. There are no particular adverse remarks.	Agree
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### **ELECTRICAL AND ELECTRONICS ENGINEERING(POWER SYSTEMS)-(Full Time)**

<b>Key Aspects</b>	<b>Rating</b>	<b>Auditor Remarks</b>	<b>Principal's Response</b>
Class/course committee meetings and action taken report (B)	Excellent(5)	Class committee meetings were conducted as per KTU academic calendar and regulations	Agree
Result analysis of previous odd semester (A)	Not Relevant	Not Applicable	
Syllabus coverage as per course plan (A)	Excellent(5)	Minimum 3 modules has been covered for all courses	Agree
Platform used for LMS/Course materials and lectures uploaded (A)	Excellent(5)	Faculty are using Google classrooms and Campus Management System to conduct online classes and upload materials.	Agree
The mechanisms for taking feedback as to whether the online classes are effective (B)	Fair(3)	As of now oral feedback is taken from students regarding effectiveness of online classes. A standard online questionnaire could be prepared to gain insight into the effectiveness of online classes.	Noted and to be improved
Maintenance of course diary (A)	Excellent(5)	Course diaries are maintained for all courses	Agree
Conduct of Seminar Mini project (A)	Excellent(5)	Seminar completed. Mini project, two presentations are over	Agree

Faculty with Ph.D for the program (A)	Excellent(5)	There are 3 faculty with Ph.D assigned for PG programmes	Agree
Students attending MOOC or other online courses (B)	Very Poor(1)	No students has been reported as attending MOOC or other online courses	Noted
Conduct of Thesis (A)	Not Relevant	In progress	Noted

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

<b>Key Aspects</b>	<b>Rating</b>	<b>Auditor Remarks</b>	<b>Principal's Response</b>
Class/course committee meetings and action taken report (B)	Excellent(5)	Class committee meetings were conducted as per KTU academic calendar and regulations	Agree
Result analysis of previous odd semester (A)	Not Relevant	Not Applicable	Noted
Syllabus coverage as per course plan (A)	Excellent(5)	Minimum 3 modules has been covered for all courses	Agree
Platform used for LMS/Course materials and lectures uploaded (A)	Excellent(5)	Faculty are using Google classrooms and Campus Management System to conduct online classes and upload materials.	Agree
The mechanisms for taking feedback as to whether the online classes are effective (B)	Fair(3)	As of now oral feedback is taken from students regarding effectiveness of online classes. A standard online questionnaire could be prepared to gain insight into the effectiveness of online classes.	Noted
Maintenance of course diary (A)	Excellent(5)	Course diaries are maintained for all courses	Agree

Conduct of Seminar Mini project (A)	Excellent(5)	Seminar completed. Mini project, two presentations are over	Agree
Faculty with Ph.D for the program (A)	Excellent(5)	There are 3 faculty with Ph.D assigned for PG programmes	Agree
Students attending MOOC or other online courses (B)	Not Relevant	No students has been reported as attending MOOC or other online courses	Steps to be taken for awareness of MOOC courses among students
Conduct of Thesis (A)	Good(4)	In progress	Noted

**MECHANICAL ENGINEERING(ADVANCED MANUFACTURING AND MECHANICAL SYSTEMS DESIGN)-(Full Time)**

<b>Key Aspects</b>	<b>Rating</b>	<b>Auditor Remarks</b>	<b>Principal's Response</b>
Class/course committee meetings and action taken report (B)	Excellent(5)	Nicely documented	Agree
Result analysis of previous odd semester (A)	Good(4)	Previous university exam results of S3 ? full pass	Agree
Syllabus coverage as per course plan (A)	Excellent(5)	Subject coverage is very good.	Agree
Platform used for LMS/Course materials and lectures uploaded (A)	Good(4)	CMS, Google meet, Google classroom, Ezpuzzle. Course material uploading need to be improved.	Will try to mprove
The mechanisms for taking feedback as to whether the online classes are effective (B)	Fair(3)	The feedback mechanism needs improvement.	Will try for a better mechaninms
Maintenance of course diary (A)	Excellent(5)	Well maintained.	Agree
Conduct of Seminar Mini project (A)	Good(4)	Needs improvement.	Agree

Faculty with Ph.D for the program (A)	Excellent(5)	Almost all faculty handling classes have PhD.	Agree
Students attending MOOC or other online courses (B)	Good(4)	Requires enhancement.	Agree
Conduct of Thesis (A)	Excellent(5)	Nicely handled.	Agree

**ELECTRONICS AND COMMUNICATION ENGINEERING(SIGNAL PROCESSING AND EMBEDDED SYSTEMS)-(Full Time)**

Key Aspects	Rating	Auditor Remarks	Principal's Response
Class/course committee meetings and action taken report (B)	Good(4)		Agree
Result analysis of previous odd semester (A)	Good(4)		Agree
Syllabus coverage as per course plan (A)	Good(4)		Agree
Platform used for LMS/Course materials and lectures uploaded (A)	Good(4)		Agree
The mechanisms for taking feedback as to whether the online classes are effective (B)	Good(4)		Agree
Maintenance of course diary (A)	Good(4)	Not as per CMS format	Noted and need to be properly maintained
Conduct of Seminar Mini project (A)	Good(4)	Not updated in CMS	To be done
Faculty with Ph.D for the program (A)	Good(4)		Agree
Students attending MOOC or other online courses (B)	Good(4)	No details available	Noted
Conduct of Thesis (A)	Good(4)	Not updated in CMS	To be done

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

Key Aspects	Rating	Auditor Remarks	Principal's Response
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Class/course committee meetings and action taken report (B)	Excellent(5)		Agree
Result analysis of previous odd semester (A)	Excellent(5)		Agree
Syllabus coverage as per course plan (A)	Excellent(5)		Agree
Platform used for LMS/Course materials and lectures uploaded (A)	Excellent(5)		Agree
The mechanisms for taking feedback as to whether the online classes are effective (B)	Excellent(5)		Agree
Maintenance of course diary (A)	Excellent(5)		Agree
Conduct of Seminar Mini project (A)	Good(4)	Though the schedule is ready for seminar, presentation is yet to start.	Noted
Faculty with Ph.D for the program (A)	Excellent(5)		Agree
Students attending MOOC or other online courses (B)	Good(4)	More students need to be encouraged to attend such courses.	Noted
Conduct of Thesis (A)	Excellent(5)		Agree