



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

Academic Audit Report
2020 - 2021

Basic Details

Institution	COLLEGE OF ENGINEERING, PATHANAPURAM
First Auditor Name	SYAMLAL T
Second Auditor Name	
Visit	Second
Semester Type	Odd

College Specific Assessments

Key Aspects	Rating	Auditor Remarks	Principal's Response
Compliance to the Academic Calendar of KTU (B)	Excellent(5)	Conducted online and offline classes as per KTU direction. Assessments, lab sessions and lab exams conducted as per calendar, Internals published and uploaded as per the KTU directions.	
Functioning of students grievances and appeal committee (B)	Excellent(5)	Regular interactions with students, Online facility in the website for addressing grievances. Minutes recorded regularly.	
Average student to faculty ratio (A)	Excellent(5)	1.06 Rating, 51 Faculties for 960 students	
Faculty Qualification Index (A)	Very Poor(1)	4.24 Index.	Steps taken to improve. Informed directorate.
Number of qualified technical staff (A)	Good(4)	Almost all departments have qualified technical staff.	

Facility of central library with respect to volume, title of books, online print journals (A)	Excellent(5)	BOOK TITLES, VOLUMES, JOURNALS, E-BOOKS, READING FACILITY AVAILABLE AS PER AICTE NORMS.	
Functioning of IQAC and Progress of IQAC report uploading (A)	Excellent(5)	Regular meetings conducted, Decisions taken on critical issues, Recorded minutes, Submitted monthly reports, Information and monitoring of academics, Conducted E-audit as per schedule and submitted reports as per KTU directions.	

Student Interaction

Key Aspects	Rating	Auditor Remarks	Principal's Response
Syllabus coverage (B)	Good(4)	90% syllabus covered for all higher semesters and 80 % covered for first semester.	
Effectiveness of teaching/learning process	Good(4)	Students are satisfied with online sessions but it is not that much effective as offline classes. Some students have network issues.	
Conduct of Labs (B)	Excellent(5)	Completed all mandatory experiments through offline and online mode. Exams conducted as per KTU directions.	
Continuous assessment (B)	Excellent(5)	Viva, quiz, class tests, series exams and tutorials conducted online mode regularly. Presentation sessions arranged for students.	
Interaction/discussion/doubt clearing etc (A)	Good(4)	Interactive sessions through online platforms and doubt clearing done during contact class sessions.	
Net connectivity issue	Fair(3)	Remote area students have net connectivity issues. Present in the class but disturbances during sessions.	Will be resolved during contact class.
Extra fees/fine imposed on students (B)	Excellent(5)	Not imposed on students	
Approach of the management/institution in addressing student grievances (B)	Excellent(5)	Institution alert on addressing issues of the students and finds timely amicable solutions and maintains discipline in the campus.	

Availability of Faculty for all subjects (A)	Excellent(5)	Faculties available for all courses.	
Any other remarks (C)	Excellent(5)	Overall functioning of the institution is excellent.	

B.Tech

No of B.Tech Students	427
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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)	Meetings conducted as per KTU and minutes recorded.	
Advisory meetings and action taken report (B)	Good(4)	Meetings conducted as per KTU and minutes recorded.	
Result analysis of previous odd semester (A)	Poor(2)	Below 40%.	Directed to take remedial actions.
Syllabus coverage as per course plan (A)	Excellent(5)	Completed as per plan.	
Platform used for LMS/Course materials and lectures uploaded (A)	Excellent(5)	Using Google meet and Google classroom. Uploaded all course materials.	
Conduct of minor/honours classes (A)	Good(4)	No minor/ Honours course from department.	
NPTEL/SWAYAM course materials recommended for reading (B)	Good(4)	Sharing through Google classroom and official whatsapp group.	
Conduct of Internal assessments for theory and lab classes (A)	Good(4)	Conducted viva, quiz, class test in online mode and updated in diary and campus management system.	
The mechanisms for taking feedback as to whether the online classes are effective (B)	Excellent(5)	Taken through google form, consolidated and informed status to faculties.	

Conduct of series tests (A)	Excellent(5)	Conducted 2 tests for higher semester and 1 for first semester.	
Maintenance of course diary (A)	Good(4)	Maintaining for all courses in book/online mode.	
Register showing Activity points (B)	Good(4)	Maintaining register or online system.	
Conduct of laboratory classes with relevant details(A)	Excellent(5)	Mandatory experiments conducted and exams conducted.	
Online Faculty evaluation amp remarks of the HoD (A)	Good(4)	Evaluated 2 times through online platform and follow up action taken.	

COMPUTER SCIENCE & ENGINEERING-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Class/course committee meetings and action taken report (B)	Good(4)	Conducted as per KTU directions. Minutes recorded.	
Advisory meetings and action taken report (B)	Excellent(5)	Conducted as per KTU directions. Minutes recorded.	
Result analysis of previous odd semester (A)	Poor(2)	Below 45 %	Directed to take remedial measures
Syllabus coverage as per course plan (A)	Excellent(5)	Covered syllabus as per calendar and series tests conducted.	
Platform used for LMS/Course materials and lectures uploaded (A)	Excellent(5)	Using Google classroom and shared course materials.	
Conduct of minor/honours classes (A)	Excellent(5)	Syllabus covered and tests conducted as per plan and directions. Series tests conducted.	
NPTEL/SWAYAM course materials recommended for reading (B)	Excellent(5)	Shared pdf/link and video tutorials through Google classroom.	

Conduct of Internal assessments for theory and lab classes (A)	Excellent(5)	Viva, quiz, class tests etc. conducted effectively.	
The mechanisms for taking feedback as to whether the online classes are effective (B)	Excellent(5)	2 Feed backs taken through Google forms and direct feedback taken through google meet and during contact class hours.	
Conduct of series tests (A)	Excellent(5)	Conducted 2 series tests and remedial measures taken.	
Maintenance of course diary (A)	Excellent(5)	Maintaining course diaries for all courses.	
Register showing Activity points (B)	Excellent(5)	Activity point register keeping separately for all batches.	
Conduct of laboratory classes with relevant details(A)	Excellent(5)	VLABS conducted, recorded videos shared and conducted during contact class hours. Lab exams conducted inoffline mode.	
Online Faculty evaluation amp remarks of the HoD (A)	Excellent(5)	2 feedbacks taken in online mode and discussed in the faculty meeting and measures taken to improve Teaching learning process.	

MECHANICAL ENGINEERING-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Class/course committee meetings and action taken report (B)	Good(4)	Conducted as per KTU direction. Minutes recorded.	
Advisory meetings and action taken report (B)	Excellent(5)	Conducted as per KTU direction. Minutes recorded.	
Result analysis of previous odd semester (A)	Good(4)	45% more	
Syllabus coverage as per course plan (A)	Excellent(5)	Covered as per plan / calendar.	

Platform used for LMS/Course materials and lectures uploaded (A)	Good(4)	Using Google classroom and Google meet. Shared course materials through online platform.	
Conduct of minor/honours classes (A)	Good(4)	No minor course. Honours classes conducted and keeping details.	
NPTEL/SWAYAM course materials recommended for reading (B)	Good(4)	Shared pdf/link and video tutorials through Google classroom and whatsapp.	
Conduct of Internal assessments for theory and lab classes (A)	Excellent(5)	Viva, Quiz, class test and lab test conducted and evaluated. Online and offline assessment done.	
The mechanisms for taking feedback as to whether the online classes are effective (B)	Good(4)	2 feedbacks taken in online platform/ campus management software. Consolidated and discusses in meeting.	
Conduct of series tests (A)	Excellent(5)	2 series tests conducted for higher semester and one first semester. Evaluated and published result.	
Maintenance of course diary (A)	Good(4)	Maintaining course diary (book or online system) for all courses and updated.	
Register showing Activity points (B)	Good(4)	All batches having separate register or online system for keeping activity points.	
Conduct of laboratory classes with relevant details(A)	Excellent(5)	Conducted all mandatory experiments. VLABS conducted, Video tutorials shared through Google class room, Conducted in offline mode also. Exam conducted as per KTU direction.	

Online Faculty evaluation amp remarks of the HoD (A)	Good(4)	2 feedback taken in online platform. Consolidated and informed to individual faculty. Remedial actions taken to improve teaching-learning process.	
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ELECTRONICS & COMMUNICATION ENGG-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Class/course committee meetings and action taken report (B)	Excellent(5)	Conducted three class committees. Minutes recorded.	
Advisory meetings and action taken report (B)	Excellent(5)	Conducted as per KTU directives.	
Result analysis of previous odd semester (A)	Fair(3)	55.81 %	Directed to take remedial actions.
Syllabus coverage as per course plan (A)	Good(4)	Higher semester syllabus completed. First semester classes going on.	
Platform used for LMS/Course materials and lectures uploaded (A)	Good(4)	Course materials and NPTEL STUDY MATERIALS shared through google class room and classes taken through Google meet.	
Conduct of minor/honours classes (A)	Good(4)	Updating documents, Classes almost completed.	
NPTEL/SWAYAM course materials recommended for reading (B)	Good(4)	PDF and Video tutorials shared through google classroom.	
Conduct of Internal assessments for theory and lab classes (A)	Excellent(5)	Conducted as per KTU directions.	
The mechanisms for taking feedback as to whether the online classes are effective (B)	Good(4)	Taken through Google forms.	
Conduct of series tests (A)	Good(4)	Conducted 2 tests for higher sems and 1 test for first semester.	

Maintenance of course diary (A)	Good(4)	Maintaining course files and diaries (book or online diaries) for all courses.	
Register showing Activity points (B)	Good(4)	Maintaining registers.	
Conduct of laboratory classes with relevant details(A)	Good(4)	Completed mandatory experiments.	
Online Faculty evaluation amp remarks of the HoD (A)	Good(4)	Feedback taken 2 times through online platforms. Consolidated and informed to faculties for betterment.	

CIVIL ENGINEERING-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Class/course committee meetings and action taken report (B)	Excellent(5)	Conducted as per KTU directions.	
Advisory meetings and action taken report (B)	Excellent(5)	Conducted as per KTU directions.	
Result analysis of previous odd semester (A)	Good(4)	Above 60%	
Syllabus coverage as per course plan (A)	Good(4)	Covered as per calendar.	
Platform used for LMS/Course materials and lectures uploaded (A)	Good(4)	Google meet and Google classroom.	
Conduct of minor/honours classes (A)	Good(4)	No minor course offering.. Honours classes conducted and details documented.	
NPTEL/SWAYAM course materials recommended for reading (B)	Good(4)	Shared through Google classroom	
Conduct of Internal assessments for theory and lab classes (A)	Excellent(5)	Class tests and quiz conducted regularly.	

The mechanisms for taking feedback as to whether the online classes are effective (B)	Good(4)	Through google form and reported for further improvement	
Conduct of series tests (A)	Excellent(5)	Conducted as per schedule.	
Maintenance of course diary (A)	Excellent(5)	Maintained for all courses	
Register showing Activity points (B)	Excellent(5)	Keeping register/file for activity point details.	
Conduct of laboratory classes with relevant details(A)	Excellent(5)	Completed in the offline and online mode.	
Online Faculty evaluation amp remarks of the HoD (A)	Good(4)	2 feedback taken in online mode and feed back discussed with faculty.	