



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

Academic Audit Report
2020 - 2021

Basic Details

Institution	ST JOSEPHS COLLEGE OF ENGINEERING AND TECHNOLOGY PALAI
First Auditor Name	Madhukumar S
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)	Classes suspended from 19th to 25th Jan.2021- Pandemic, online classes went uninterrupted	Noted
Functioning of students grievances and appeal committee (B)	Excellent(5)		Noted
Average student to faculty ratio (A)	Excellent(5)	S to F ratio = 1.06	Noted
Faculty Qualification Index (A)	Fair(3)	FQI = 5.31	faculty deputation for PhD. will be increased
Number of qualified technical staff (A)	Excellent(5)	36 nos.	Noted
Facility of central library with respect to volume, title of books, online print journals (A)	Excellent(5)	Complies to AICTE norms	Noted

Functioning of IQAC and Progress of IQAC report uploading (A)	Excellent(5)	Report for 2020 second half uploaded	Noted
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Student Interaction

Key Aspects	Rating	Auditor Remarks	Principal's Response
Syllabus coverage (B)	Good(4)	1275 students responded in the interaction with the auditors and gave their ratings.	
Effectiveness of teaching/learning process	Good(4)	1275 students responded in the interaction with the auditors and gave their ratings.	
Conduct of Labs (B)	Good(4)	1275 students responded in the interaction with the auditors and gave their ratings.	
Continuous assessment (B)	Good(4)	1275 students responded in the interaction with the auditors and gave their ratings.	
Interaction/discussion/doubt clearing etc (A)	Good(4)	1275 students responded in the interaction with the auditors and gave their ratings.	
Net connectivity issue	Fair(3)	1275 students responded in the interaction with the auditors and gave their ratings.	
Extra fees/fine imposed on students (B)	Not Relevant	Majority of students expressed their satisfaction on non-imposing of any extra fees collection or levying fine	
Approach of the management/institution in addressing student grievances (B)	Good(4)	1275 students responded in the interaction with the auditors and gave their ratings.	
Availability of Faculty for all subjects (A)	Good(4)		
Any other remarks (C)	Not Relevant		

B.Tech

No of B.Tech Students	1128
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ELECTRONICS & INSTRUMENTATION ENGINEERING-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Class/course committee meetings and action taken report (B)	Excellent(5)		Noted
Advisory meetings and action taken report (B)	Fair(3)	Meeting should be done in equal periods	The dept. will see that meetings are conducted at same intervals
Result analysis of previous odd semester (A)	Fair(3)	Recommended to take action to improve results	The department will strive for improving the results
Syllabus coverage as per course plan (A)	Good(4)	Year calendar updation should be more accurate	This will be attended by the department in future
Platform used for LMS/Course materials and lectures uploaded (A)	Excellent(5)		Noted
Conduct of minor/honours classes (A)	Fair(3)	Course file should be updated. Module tests actual marks should also be entered in course diary	The HoD will see that all required entries are made up to date
NPTEL/SWAYAM course materials recommended for reading (B)	Good(4)	Encourage students to attend more MOOC/NPTEL courses	HoD will motivate the students to attend more online courses
Conduct of Internal assessments for theory and lab classes (A)	Excellent(5)		Noted
The mechanisms for taking feedback as to whether the online classes are effective (B)	Excellent(5)		Noted
Conduct of series tests (A)	Excellent(5)		Noted
Maintenance of course diary (A)	Good(4)	Module tests marks also could be recorded in course diary	Since, marks are recorded

Register showing Activity points (B)	Good(4)	Encourage students to attain more activity points before final year.	HoD has issued instructions to attain more activity points
Conduct of laboratory classes with relevant details(A)	Excellent(5)		Noted
Online Faculty evaluation amp remarks of the HoD (A)	Excellent(5)		Noted

ELECTRONICS & COMMUNICATION ENGG-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Class/course committee meetings and action taken report (B)	Excellent(5)		Noted
Advisory meetings and action taken report (B)	Excellent(5)		Noted
Result analysis of previous odd semester (A)	Fair(3)	58.43% Overall pass percentage and evaluation as per KTU guidelines	The dept. will strive for improved results in future.
Syllabus coverage as per course plan (A)	Excellent(5)		Noted
Platform used for LMS/Course materials and lectures uploaded (A)	Excellent(5)		Noted
Conduct of minor/honours classes (A)	Excellent(5)		Noted
NPTEL/SWAYAM course materials recommended for reading (B)	Excellent(5)		Noted
Conduct of Internal assessments for theory and lab classes (A)	Excellent(5)		Noted
The mechanisms for taking feedback as to whether the online classes are effective (B)	Excellent(5)		Noted
Conduct of series tests (A)	Excellent(5)		Noted

Maintenance of course diary (A)	Good(4)	Improvements are required in some course diaries	Issued guidelines to this effect
Register showing Activity points (B)	Excellent(5)		Noted
Conduct of laboratory classes with relevant details(A)	Excellent(5)		Noted
Online Faculty evaluation amp remarks of the HoD (A)	Excellent(5)		Noted

CIVIL ENGINEERING-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Class/course committee meetings and action taken report (B)	Excellent(5)		Noted
Advisory meetings and action taken report (B)	Excellent(5)		Noted
Result analysis of previous odd semester (A)	Fair(3)	Odd sem result average - 58.72% Overall pass percentage of out- going students - 75.5%	The department will strive for improved results
Syllabus coverage as per course plan (A)	Excellent(5)		Noted
Platform used for LMS/Course materials and lectures uploaded (A)	Excellent(5)		Noted
Conduct of minor/honours classes (A)	Not Relevant	No honors courses applied	
NPTEL/SWAYAM course materials recommended for reading (B)	Excellent(5)		Noted
Conduct of Internal assessments for theory and lab classes (A)	Excellent(5)		Noted
The mechanisms for taking feedback as to whether the online classes are effective (B)	Excellent(5)		Noted

Conduct of series tests (A)	Excellent(5)		Noted
Maintenance of course diary (A)	Good(4)	Year calendar entry missing, 2 course diary missing	missing entries are made. Missing course diaries have been traced out.
Register showing Activity points (B)	Good(4)	Incomplete register for S5 & S3	Register for S5 completed and reports from S3 is being collected
Conduct of laboratory classes with relevant details(A)	Good(4)	Sample work books not submitted	Students will be urged to submit work books in time
Online Faculty evaluation amp remarks of the HoD (A)	Excellent(5)		Noted

APPLIED ELECTRONICS & INSTRUMENTATION ENGINEERING-(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		
Result analysis of previous odd semester (A)	Not Relevant		
Syllabus coverage as per course plan (A)	Not Relevant		
Platform used for LMS/Course materials and lectures uploaded (A)	Not Relevant		
Conduct of minor/honours classes (A)	Not Relevant		
NPTEL/SWAYAM course materials recommended for reading (B)	Not Relevant		
Conduct of Internal assessments for theory and lab classes (A)	Not Relevant		

The mechanisms for taking feedback as to whether the online classes are effective (B)	Not Relevant		
Conduct of series tests (A)	Not Relevant		
Maintenance of course diary (A)	Not Relevant		
Register showing Activity points (B)	Not Relevant		
Conduct of laboratory classes with relevant details(A)	Not Relevant		
Online Faculty evaluation amp remarks of the HoD (A)	Not Relevant		

Artificial Intelligence and Data Science-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Class/course committee meetings and action taken report (B)	Not Relevant	Contact classes not yet started	
Advisory meetings and action taken report (B)	Not Relevant		
Result analysis of previous odd semester (A)	Not Relevant		
Syllabus coverage as per course plan (A)	Not Relevant		
Platform used for LMS/Course materials and lectures uploaded (A)	Not Relevant		
Conduct of minor/honours classes (A)	Not Relevant		
NPTEL/SWAYAM course materials recommended for reading (B)	Not Relevant		
Conduct of Internal assessments for theory and lab classes (A)	Not Relevant		

The mechanisms for taking feedback as to whether the online classes are effective (B)	Not Relevant		
Conduct of series tests (A)	Not Relevant		
Maintenance of course diary (A)	Not Relevant		
Register showing Activity points (B)	Not Relevant		
Conduct of laboratory classes with relevant details(A)	Not Relevant		
Online Faculty evaluation amp remarks of the HoD (A)	Not Relevant		

MECHANICAL ENGINEERING-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Class/course committee meetings and action taken report (B)	Excellent(5)	Student's side response is minimal	Noted
Advisory meetings and action taken report (B)	Good(4)	Records other than Tutor files need to be updated	Instructed to update the pending files
Result analysis of previous odd semester (A)	Fair(3)	50.3% for S1/S3/S5 [S1:39/107, S3:40/99,S5:79/108] 44.2%for S7(46/104)	The department will strive achieve better results
Syllabus coverage as per course plan (A)	Excellent(5)		Noted
Platform used for LMS/Course materials and lectures uploaded (A)	Good(4)	Contents missings in some cases. For Seminar/Project,LMS not used	LMS will be used for seminar and project. Missing contents are incorporated
Conduct of minor/honours classes (A)	Excellent(5)	MOOC offered for Honours	Noted
NPTEL/SWAYAM course materials recommended for reading (B)	Excellent(5)	About 25% students have done Online courses	Noted

Conduct of Internal assessments for theory and lab classes (A)	Excellent(5)		Noted
The mechanisms for taking feedback as to whether the online classes are effective (B)	Excellent(5)		Noted
Conduct of series tests (A)	Excellent(5)		Noted
Maintenance of course diary (A)	Good(4)	Mark variation noticed in few cases. Absentees report is not updated in some cases	Strictly instructed to achieve uniformity and avoid variations
Register showing Activity points (B)	Excellent(5)	Maintained with adequate supporting document.	Noted
Conduct of laboratory classes with relevant details(A)	Excellent(5)		Noted
Online Faculty evaluation amp remarks of the HoD (A)	Excellent(5)	Students participation is very good	Noted

ELECTRICAL AND ELECTRONICS ENGINEERING-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Class/course committee meetings and action taken report (B)	Excellent(5)		Noted
Advisory meetings and action taken report (B)	Excellent(5)		Noted
Result analysis of previous odd semester (A)	Fair(3)		The dept. will strive for improving the result
Syllabus coverage as per course plan (A)	Excellent(5)		Noted
Platform used for LMS/Course materials and lectures uploaded (A)	Excellent(5)		Noted
Conduct of minor/honours classes (A)	Excellent(5)		Noted

NPTEL/SWAYAM course materials recommended for reading (B)	Excellent(5)		Noted
Conduct of Internal assessments for theory and lab classes (A)	Excellent(5)		Noted
The mechanisms for taking feedback as to whether the online classes are effective (B)	Excellent(5)		Noted
Conduct of series tests (A)	Excellent(5)		Noted
Maintenance of course diary (A)	Excellent(5)		Noted
Register showing Activity points (B)	Excellent(5)		Noted
Conduct of laboratory classes with relevant details(A)	Good(4)		The dept. will take actions for improving the laboratory classes
Online Faculty evaluation amp remarks of the HoD (A)	Excellent(5)		Noted

COMPUTER SCIENCE & ENGINEERING-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Class/course committee meetings and action taken report (B)	Excellent(5)		Noted
Advisory meetings and action taken report (B)	Excellent(5)		Noted
Result analysis of previous odd semester (A)	Good(4)		The dept. will strive for improving the results
Syllabus coverage as per course plan (A)	Excellent(5)		Noted
Platform used for LMS/Course materials and lectures uploaded (A)	Excellent(5)		Noted
Conduct of minor/honours classes (A)	Excellent(5)		Noted

NPTEL/SWAYAM course materials recommended for reading (B)	Excellent(5)		Noted
Conduct of Internal assessments for theory and lab classes (A)	Excellent(5)		Noted
The mechanisms for taking feedback as to whether the online classes are effective (B)	Excellent(5)		Noted
Conduct of series tests (A)	Good(4)	Improvements are required in certain course diaries	The department will make improvements in the course diaries
Maintenance of course diary (A)	Excellent(5)		Noted
Register showing Activity points (B)	Excellent(5)		Noted
Conduct of laboratory classes with relevant details(A)	Excellent(5)		Noted
Online Faculty evaluation amp remarks of the HoD (A)	Excellent(5)		Noted

M.Tech

No of M.Tech Students	30
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ELECTRONICS AND COMMUNICATION ENGINEERING(VLSI AND EMBEDDED SYSTEMS)-(Full Time)

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

Platform used for LMS/Course materials and lectures uploaded (A)	Excellent(5)		Noted
The mechanisms for taking feedback as to whether the online classes are effective (B)	Excellent(5)		Noted
Maintenance of course diary (A)	Excellent(5)		Noted
Conduct of Seminar Mini project (A)	Excellent(5)		Noted
Faculty with Ph.D for the program (A)	Excellent(5)	4 Faculty with Ph.D as against the required to 2 numbers.	Noted
Students attending MOOC or other online courses (B)	Excellent(5)		Noted
Conduct of Thesis (A)	Not Relevant	Thesis comes in higher semesters	N A

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

Key Aspects	Rating	Auditor Remarks	Principal's Response
Class/course committee meetings and action taken report (B)	Not Relevant	M.Tech Power Electronics is closed	
Result analysis of previous odd semester (A)	Not Relevant		
Syllabus coverage as per course plan (A)	Not Relevant		
Platform used for LMS/Course materials and lectures uploaded (A)	Not Relevant		
The mechanisms for taking feedback as to whether the online classes are effective (B)	Not Relevant		
Maintenance of course diary (A)	Not Relevant		

Conduct of Seminar Mini project (A)	Not Relevant		
Faculty with Ph.D for the program (A)	Not Relevant		
Students attending MOOC or other online courses (B)	Not Relevant		
Conduct of Thesis (A)	Not Relevant		

MECHANICAL ENGINEERING(ADVANCED MANUFACTURING AND PRODUCTION MANAGEMENT)-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Class/course committee meetings and action taken report (B)	Excellent(5)		Noted
Result analysis of previous odd semester (A)	Excellent(5)	100% for S1& S3	Noted
Syllabus coverage as per course plan (A)	Excellent(5)		Noted
Platform used for LMS/Course materials and lectures uploaded (A)	Good(4)	Course contents needs improvement	Improvements in the course contents are proposed
The mechanisms for taking feedback as to whether the online classes are effective (B)	Excellent(5)		Noted
Maintenance of course diary (A)	Excellent(5)		Noted
Conduct of Seminar Mini project (A)	Good(4)		Will be improved
Faculty with Ph.D for the program (A)	Excellent(5)	3 Faculty with Ph.D engages PG classes	Noted
Students attending MOOC or other online courses (B)	Excellent(5)		Noted
Conduct of Thesis (A)	Not Relevant		N A

CIVIL ENGINEERING(STRUCTURAL ENGINEERING AND CONSTRUCTION MANAGEMENT)-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Class/course committee meetings and action taken report (B)	Excellent(5)		Noted
Result analysis of previous odd semester (A)	Excellent(5)		Noted
Syllabus coverage as per course plan (A)	Excellent(5)		Noted
Platform used for LMS/Course materials and lectures uploaded (A)	Excellent(5)		Noted
The mechanisms for taking feedback as to whether the online classes are effective (B)	Excellent(5)		Noted
Maintenance of course diary (A)	Good(4)	Year calendar entry missing	Since missing entry has been made
Conduct of Seminar Mini project (A)	Good(4)	No course plan, No rubrics for assessment, No split-up marks.	Proper planning is proposed. Split up marks will be given
Faculty with Ph.D for the program (A)	Excellent(5)		Noted
Students attending MOOC or other online courses (B)	Fair(3)	No MOOC courses conducted	Students will be motivated in this aspect
Conduct of Thesis (A)	Excellent(5)		Noted

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)	Excellent(5)		Noted
Result analysis of previous odd semester (A)	Excellent(5)		Noted
Syllabus coverage as per course plan (A)	Excellent(5)		Noted

Platform used for LMS/Course materials and lectures uploaded (A)	Excellent(5)		Noted
The mechanisms for taking feedback as to whether the online classes are effective (B)	Excellent(5)		Noted
Maintenance of course diary (A)	Excellent(5)		Noted
Conduct of Seminar Mini project (A)	Excellent(5)		Noted
Faculty with Ph.D for the program (A)	Excellent(5)		Noted
Students attending MOOC or other online courses (B)	Excellent(5)		Noted
Conduct of Thesis (A)	Not Relevant	Thesis comes in higher semesters	N A

MBA

No of MBA Students	37
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MASTERS IN BUSINESS ADMINISTRATION-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Class/course committee meetings and action taken report (B)	Excellent(5)		Noted
Result analysis of previous odd semester (A)	Excellent(5)		Noted
Syllabus coverage as per course plan (A)	Good(4)	Extended class details can be included	Since included
Platform used for LMS/Course materials and lectures uploaded (A)	Excellent(5)		Noted
The mechanisms for taking feedback as to whether the online classes are effective (B)	Good(4)	Feedback of all courses could be consolidated	Since consolidated

Maintenance of course diary (A)	Good(4)	Year calendar updation should be completed. Moodle tests marks (real)should be added in course diary.	Marks are since entered. Completed year calendar up dation
Conduct of Seminar Mini project (A)	Excellent(5)		Noted
Faculty with Ph.D for the program (A)	Excellent(5)		Noted
Students attending MOOC or other online courses (B)	Good(4)	Separate register should be maintained to list the course details	Separate register is started
Conduct of Thesis (A)	Excellent(5)		Noted

MASTERS IN COMPUTER APPLICATIONS-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Class/course committee meetings and action taken report (B)	Excellent(5)		Noted
Result analysis of previous odd semester (A)	Good(4)	Average result is 67.28%	The dept. will strive for improving the results
Syllabus coverage as per course plan (A)	Good(4)	Syllabus coverage is less as per course plan. Instructions are given to faculty members to take more online classes in ordre to make up the coverage of syllabus	Online classes were since taken
Platform used for LMS/Course materials and lectures uploaded (A)	Excellent(5)		Noted
The mechanisms for taking feedback as to whether the online classes are effective (B)	Excellent(5)		Noted
Maintenance of course diary (A)	Good(4)	Lab manual should be prepared scheme for assignment should be added	Instructions were already given for the preparation of Lab manual.

Conduct of Seminar Mini project (A)	Good(4)	Reviewers panel list is to be added and review plan for semester required	Panel list is since added
Faculty with Ph.D for the program (A)	Excellent(5)	1 Regular holder and 1 Ph.D (Honorary)	Noted
Students attending MOOC or other online courses (B)	Excellent(5)		Noted
Conduct of Thesis (A)	Excellent(5)		Noted

MCA TWO YEARS

No of MCA TWO YEARS Students	0
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MCA TWO YEARS-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Class/course committee meetings and action taken report (B)	Not Relevant	Contact Classes not yet started	
Result analysis of previous odd semester (A)	Not Relevant		
Syllabus coverage as per course plan (A)	Not Relevant		
Platform used for LMS/Course materials and lectures uploaded (A)	Not Relevant		
The mechanisms for taking feedback as to whether the online classes are effective (B)	Not Relevant		
Maintenance of course diary (A)	Not Relevant		
Conduct of Seminar Mini project (A)	Not Relevant		
Faculty with Ph.D for the program (A)	Not Relevant		
Students attending MOOC or other online courses (B)	Not Relevant		
Conduct of Thesis (A)	Not Relevant		