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

Academic Audit Report
2022 - 2023

Basic Details

Institution	**ST JOSEPHS COLLEGE OF ENGINEERING AND TECHNOLOGY PALAI**
First Auditor Name	**Dr Amith Aravind**
Second Auditor Name	**Dr Rajesh J**
Visit	**First**
Semester Type	**Odd**

College Specific Assessments

Key Aspects	Rating	Auditor Remarks	Principal's Response
Compliance to the Academic Calendar of KTU (A)	Excellent(5)	College Calendar prepared in line with the university academic calendar	Noted
Functioning of students grievances and appeal committee (A)	Excellent(5)		Noted
Functioning of Academic Discipline Welfare committee (A)	Excellent(5)		Noted
Average student to faculty ratio (A)	Excellent(5)	1.07	Noted
Faculty Retention (A)	Excellent(5)		Noted
Faculty Qualification Index (A)	Good(4)	5.75	52 faculty members are currently pursuing Ph.D.
Number of qualified technical staff (A)	Excellent(5)	36 nos	Noted

Facility of central library with respect to volume and title of books, online print journals (A)	Excellent(5)	15325 titles 55761 volumes	Noted
Functioning of IQAC and Progress of IQAC report uploading (A)	Excellent(5)		Noted
Institution Budget (A)	Excellent(5)		Noted
Details of central computing facility (A)	Excellent(5)	106 systems in the central computing facility	Noted
Principals response on previous audit reports (A)	Excellent(5)		Noted

Student Interaction

Key Aspects	Rating	Auditor Remarks	Principal's Response
Syllabus coverage (B)	Excellent(5)		Noted
Lab Facility and conduct of Labs (B)	Excellent(5)		Noted
Co-curricular facility (B)	Excellent(5)		Noted
Extra-curricular facility (B)	Excellent(5)		Noted
Transferring all intimation from University in time (B)	Excellent(5)	vis institute mail and group messaging	Noted
Approach of the management in addressing student grievance (B)	Excellent(5)		Noted
Availability of Faculty for all subjects (A)	Excellent(5)		Noted
Any other remarks (C)	Excellent(5)	addressed the concern of PG students regarding offline classes on saturdays	Noted
Extra fees/fine imposed on students (B)	Excellent(5)	No extra fees/fines imposed	Noted

ELECTRONICS & INSTRUMENTATION ENGINEERING-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Placement Status	Very Poor(1)	No graduated students	Remedial classes are regularly conducted to improve the results.
Class/course committee meetings and action taken report (B)	Excellent(5)		Noted
Advisory meetings and action taken report (B)	Excellent(5)		Noted
Syllabus coverage as per course plan (B)	Excellent(5)		Noted
Conduct of Tutorial Classes (B)	Excellent(5)		Noted
Evaluation of Answer Scripts (A):	Excellent(5)		Noted
Conduct of practical courses (B)	Excellent(5)		Noted
Evaluation of students performance in practical classes (A):	Excellent(5)		Noted
Facility to do experiments in the lab (A)	Excellent(5)		Noted
Conduct of remedial/minor/honours classes (B)	Excellent(5)		Noted
Maintenance of course diary (A)	Excellent(5)		Noted
Assessment of Outcomes (A)	Excellent(5)		Noted
Faculty evaluation amp remarks of the HoD (A)	Excellent(5)		Noted
Conduct of Seminar, Project and Thesis (A)	Excellent(5)		Noted
Computing facility in the department (A)	Good(4)		Since the intake to this programme has been stopped, the computing facility is being shared with other departments.

Key Aspects	Rating	Auditor Remarks	Principal's Response
Facility for co-curricular and extracurricular activities (B)	Excellent(5)		Noted
Students attending MOOC or other online courses (B)	Fair(3)	5 students enrolled	More students are being encouraged to do MOOC courses.
Maintenance of A1, A2 and A3 files.	Excellent(5)		Noted
Maintenance of B files.	Excellent(5)		Noted
Maintenance of C and D files.	Excellent(5)		Noted

ELECTRONICS & COMMUNICATION ENGG-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Placement Status	Excellent(5)	39 students placed out of 51	Noted
Class/course committee meetings and action taken report (B)	Excellent(5)		Noted
Advisory meetings and action taken report (B)	Excellent(5)		Noted
Syllabus coverage as per course plan (B)	Excellent(5)		Noted
Conduct of Tutorial Classes (B)	Excellent(5)		Noted
Evaluation of Answer Scripts (A):	Excellent(5)		Noted
Conduct of practical courses (B)	Excellent(5)		Noted
Evaluation of students performance in practical classes (A):	Excellent(5)		Noted
Facility to do experiments in the lab (A)	Excellent(5)		Noted
Conduct of remedial/minor/honours classes (B)	Excellent(5)		Noted

Key Aspects	Rating	Auditor Remarks	Principal's Response
Maintenance of course diary (A)	Excellent(5)		Noted
Assessment of Outcomes (A)	Excellent(5)		Noted
Faculty evaluation amp remarks of the HoD (A)	Excellent(5)	Detailed remarks made against each faculty member	Noted
Conduct of Seminar, Project and Thesis (A)	Excellent(5)		Noted
Computing facility in the department (A)	Excellent(5)	105 dedicated systems, shared with central computing facility	Noted
Facility for co-curricular and extracurricular activities (B)	Excellent(5)		Noted
Students attending MOOC or other online courses (B)	Excellent(5)	88 students enrolled	Noted
Maintenance of A1, A2 and A3 files.	Excellent(5)		Noted
Maintenance of B files.	Excellent(5)		Noted
Maintenance of C and D files.	Excellent(5)		Noted

CIVIL ENGINEERING-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Placement Status	Good(4)	25 students placed out of 43	Earnest efforts are being made to improve the status.
Class/course committee meetings and action taken report (B)	Excellent(5)		Noted
Advisory meetings and action taken report (B)	Excellent(5)		Noted
Syllabus coverage as per course plan (B)	Excellent(5)		Noted
Conduct of Tutorial Classes (B)	Excellent(5)		Noted
Evaluation of Answer Scripts (A):	Excellent(5)		Noted

Conduct of practical courses (B)	Excellent(5)		Noted
Evaluation of students performance in practical classes (A):	Excellent(5)		Noted
Facility to do experiments in the lab (A)	Excellent(5)		Noted
Conduct of remedial/minor/honours classes (B)	Excellent(5)		Noted
Maintenance of course diary (A)	Excellent(5)		Noted
Assessment of Outcomes (A)	Excellent(5)		Noted
Faculty evaluation amp remarks of the HoD (A)	Excellent(5)		Noted
Conduct of Seminar, Project and Thesis (A)	Excellent(5)		Noted
Computing facility in the department (A)	Excellent(5)	60 dedicated systems, shared with central computing facility	Noted
Facility for co-curricular and extracurricular activities (B)	Excellent(5)		Noted
Students attending MOOC or other online courses (B)	Excellent(5)	total of 81 students certified	Noted
Maintenance of A1, A2 and A3 files.	Excellent(5)		Noted
Maintenance of B files.	Excellent(5)		Noted
Maintenance of C and D files.	Excellent(5)		Noted

Artificial Intelligence and Data Science-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Placement Status	Not Relevant	First batch is currently in the fifth semester	

Class/course committee meetings and action taken report (B)	Excellent(5)		Noted
Advisory meetings and action taken report (B)	Excellent(5)		Noted
Syllabus coverage as per course plan (B)	Excellent(5)		Noted
Conduct of Tutorial Classes (B)	Excellent(5)		Noted
Evaluation of Answer Scripts (A):	Excellent(5)		Noted
Conduct of practical courses (B)	Excellent(5)		Noted
Evaluation of students performance in practical classes (A):	Excellent(5)		Noted
Facility to do experiments in the lab (A)	Excellent(5)		Noted
Conduct of remedial/minor/honours classes (B)	Excellent(5)		Noted
Maintenance of course diary (A)	Excellent(5)		Noted
Assessment of Outcomes (A)	Not Relevant		
Faculty evaluation amp remarks of the HoD (A)	Excellent(5)		Noted
Conduct of Seminar, Project and Thesis (A)	Not Relevant	No seminar, project or thesis in the current odd semesters	
Computing facility in the department (A)	Fair(3)	2 dedicated systems, shared with a central computing facility	We have 32 computers under stock of the department and the purchase of additional 32 systems with advanced configuration in the pipeline.
Facility for co-curricular and extracurricular activities (B)	Excellent(5)		Noted

Students attending MOOC or other online courses (B)	Good(4)	29 students enrolled in 2022-23 AY	To improve the count, we have scheduled awareness classes regarding MOOC courses.
Maintenance of A1, A2 and A3 files.	Excellent(5)		Noted
Maintenance of B files.	Excellent(5)		Noted
Maintenance of C and D files.	Excellent(5)		Noted

MECHANICAL ENGINEERING-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Placement Status	Good(4)	47 students placed out of 84	Earnest efforts are being made to improve the status.
Class/course committee meetings and action taken report (B)	Excellent(5)		Noted
Advisory meetings and action taken report (B)	Excellent(5)		Noted
Syllabus coverage as per course plan (B)	Excellent(5)		Noted
Conduct of Tutorial Classes (B)	Excellent(5)		Noted
Evaluation of Answer Scripts (A):	Excellent(5)		Noted
Conduct of practical courses (B)	Excellent(5)		Noted
Evaluation of students performance in practical classes (A):	Excellent(5)		Noted
Facility to do experiments in the lab (A)	Excellent(5)		Noted
Conduct of remedial/minor/honours classes (B)	Excellent(5)		Noted
Maintenance of course diary (A)	Excellent(5)		Noted

Key Aspects	Rating	Auditor Remarks	Principal's Response
Assessment of Outcomes (A)	Excellent(5)		Noted
Faculty evaluation amp remarks of the HoD (A)	Excellent(5)		Noted
Conduct of Seminar, Project and Thesis (A)	Excellent(5)		Noted
Computing facility in the department (A)	Excellent(5)	35 dedicated systems, shared with central computing facility	Noted
Facility for co-curricular and extracurricular activities (B)	Excellent(5)		Noted
Students attending MOOC or other online courses (B)	Excellent(5)	76 nos registered	Noted
Maintenance of A1, A2 and A3 files.	Excellent(5)		Noted
Maintenance of B files.	Excellent(5)		Noted
Maintenance of C and D files.	Excellent(5)		Noted

ELECTRICAL AND ELECTRONICS ENGINEERING-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Placement Status	Good(4)	15 students placed out of 27	Earnest efforts are being made to improve the status. Majority prefer to work in core Engineering domain.
Class/course committee meetings and action taken report (B)	Excellent(5)		Noted
Advisory meetings and action taken report (B)	Excellent(5)		Noted
Syllabus coverage as per course plan (B)	Excellent(5)		Noted
Conduct of Tutorial Classes (B)	Excellent(5)		Noted
Evaluation of Answer Scripts (A):	Excellent(5)		Noted

Key Aspects	Rating	Auditor Remarks	Principal's Response
Conduct of practical courses (B)	Excellent(5)		Noted
Evaluation of students performance in practical classes (A):	Excellent(5)		Noted
Facility to do experiments in the lab (A)	Excellent(5)		Noted
Conduct of remedial/minor/honours classes (B)	Excellent(5)	No students eligible for honours	Students are eligible for honours but during the current semester MOOC course is given instead of theory courses.
Maintenance of course diary (A)	Excellent(5)		Noted
Assessment of Outcomes (A)	Excellent(5)		Noted
Faculty evaluation amp remarks of the HoD (A)	Excellent(5)		Noted
Conduct of Seminar, Project and Thesis (A)	Excellent(5)		Noted
Computing facility in the department (A)	Excellent(5)	44 dedicated systems, shared with central computing facility	50 separate dedicated systems are there in the Electrical department
Facility for co-curricular and extracurricular activities (B)	Excellent(5)		Noted
Students attending MOOC or other online courses (B)	Good(4)	27 students enrolled	Steps are taken to motivate the students.
Maintenance of A1, A2 and A3 files.	Excellent(5)		Noted
Maintenance of B files.	Excellent(5)		Noted
Maintenance of C and D files.	Excellent(5)		Noted

COMPUTER SCIENCE & ENGINEERING-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Placement Status	Excellent(5)	92 students were placed out of 106	Noted

Class/course committee meetings and action taken report (B)	Excellent(5)		Noted
Advisory meetings and action taken report (B)	Excellent(5)		Noted
Syllabus coverage as per course plan (B)	Excellent(5)		Noted
Conduct of Tutorial Classes (B)	Excellent(5)		Noted
Evaluation of Answer Scripts (A):	Excellent(5)		Noted
Conduct of practical courses (B)	Excellent(5)		Noted
Evaluation of students performance in practical classes (A):	Excellent(5)		Noted
Facility to do experiments in the lab (A)	Excellent(5)		Noted
Conduct of remedial/minor/honours classes (B)	Excellent(5)		Noted
Maintenance of course diary (A)	Excellent(5)		Noted
Assessment of Outcomes (A)	Excellent(5)		Noted
Faculty evaluation amp remarks of the HoD (A)	Excellent(5)		Noted
Conduct of Seminar, Project and Thesis (A)	Excellent(5)		Noted
Computing facility in the department (A)	Excellent(5)	173 dedicated systems, shared with central computing facilty	Noted
Facility for co-curricular and extracurricular activities (B)	Excellent(5)		Noted
Students attending MOOC or other online courses (B)	Excellent(5)	159 enrolled in 2022-23 AY	Noted
Maintenance of A1, A2 and A3 files.	Excellent(5)		Noted

Key Aspects	Rating	Auditor Remarks	Principal's Response
Maintenance of B files.	Excellent(5)		Noted
Maintenance of C and D files.	Excellent(5)		Noted

Electronics and Computer Engineering-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Placement Status	Not Relevant	Students currently in the second year	
Class/course committee meetings and action taken report (B)	Excellent(5)		Noted
Advisory meetings and action taken report (B)	Excellent(5)		Noted
Syllabus coverage as per course plan (B)	Excellent(5)		Noted
Conduct of Tutorial Classes (B)	Excellent(5)		Noted
Evaluation of Answer Scripts (A):	Excellent(5)		Noted
Conduct of practical courses (B)	Excellent(5)		Noted
Evaluation of students performance in practical classes (A):	Excellent(5)		Noted
Facility to do experiments in the lab (A)	Excellent(5)		Noted
Conduct of remedial/minor/honours classes (B)	Excellent(5)	Honours NA	Noted
Maintenance of course diary (A)	Excellent(5)		Noted
Assessment of Outcomes (A)	Fair(3)	NIL	Students currently reached upto S3 only and results published for S1 only. Hence CO attainment completed in full for S1 and with internal assessment tools for S2.

Key Aspects	Rating	Auditor Remarks	Principal's Response
Faculty evaluation amp remarks of the HoD (A)	Excellent(5)		Noted
Conduct of Seminar, Project and Thesis (A)	Not Relevant	Students currently in third semester	
Computing facility in the department (A)	Poor(2)	1 dedicated system, shared with central computing facility	Students in S3 only. The computing facility will be improved in the next academic year.
Facility for co-curricular and extracurricular activities (B)	Excellent(5)		Noted
Students attending MOOC or other online courses (B)	Not Relevant		
Maintenance of A1, A2 and A3 files.	Good(4)		Noted for future improvement
Maintenance of B files.	Good(4)		Noted for future improvement
Maintenance of C and D files.	Good(4)		Noted for future improvement

ELECTRONICS AND COMMUNICATION ENGINEERING(VLSI AND EMBEDDED SYSTEMS)-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Placement Status	Good(4)		All the students of 2022 pass out batch received official e-mail confirmation regarding their job. Placement drives in progress for current batch.
Class/course committee meetings and action taken report (B)	Excellent(5)		Noted
Syllabus coverage as per course plan (B)	Excellent(5)		Noted
Evaluation of Answer Scripts (A):	Excellent(5)		Noted
Maintenance of course diary (A)	Excellent(5)		Noted
Faculty evaluation amp remarks of the HoD (A)	Excellent(5)		Noted

Facility in the department library for references (C)	Excellent(5)	157 books	Noted
Conduct of Seminar, Project and Thesis (A)	Excellent(5)		Noted
Faculty with Ph.D for the program (A)	Excellent(5)	3 faculty with PhD engaging for PG	Noted
Computing facility in the department (A)	Excellent(5)	19 dedicated systems, shared with central computing facility	Noted
Facility for co-curricular and extracurricular activities (B)	Excellent(5)		Noted
Students attending MOOC or other online courses (B)	Excellent(5)	2 students enrolled	Noted

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

Key Aspects	Rating	Auditor Remarks	Principal's Response
Placement Status	Excellent(5)	9 placed out of 10 students	Noted
Class/course committee meetings and action taken report (B)	Excellent(5)		Noted
Syllabus coverage as per course plan (B)	Excellent(5)		Noted
Evaluation of Answer Scripts (A):	Excellent(5)		Noted
Maintenance of course diary (A)	Excellent(5)		Noted
Faculty evaluation amp remarks of the HoD (A)	Excellent(5)		Noted
Facility in the department library for references (C)	Excellent(5)		Noted
Conduct of Seminar, Project and Thesis (A)	Excellent(5)		Noted
Faculty with Ph.D for the program (A)	Excellent(5)	4 faculty with PhD engaging for PG	Noted

Key Aspects	Rating	Auditor Remarks	Principal's Response
Computing facility in the department (A)	Excellent(5)	15 dedicated systems, shared with central computing facility	Noted
Facility for co-curricular and extracurricular activities (B)	Excellent(5)		Noted
Students attending MOOC or other online courses (B)	Good(4)	2 students enrolled	All the students are now enrolled and instructions have been given to complete it this academic year itself.

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

Key Aspects	Rating	Auditor Remarks	Principal's Response
Placement Status	Good(4)		Earnest efforts are being made to improve the status.
Class/course committee meetings and action taken report (B)	Excellent(5)		Noted
Syllabus coverage as per course plan (B)	Excellent(5)		Noted
Evaluation of Answer Scripts (A):	Excellent(5)		Noted
Maintenance of course diary (A)	Excellent(5)		Noted
Faculty evaluation amp remarks of the HoD (A)	Excellent(5)		Noted
Facility in the department library for references (C)	Excellent(5)	215 books	Noted
Conduct of Seminar, Project and Thesis (A)	Excellent(5)		Noted
Faculty with Ph.D for the program (A)	Excellent(5)	1 faculty with PhD engaging PG	Noted
Computing facility in the department (A)	Excellent(5)	60 dedicated systems, shared with central computing facility	Noted
Facility for co-curricular and extracurricular activities (B)	Excellent(5)		Noted

Students attending MOOC or other online courses (B)	Excellent(5)	11 students completed	Noted

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

Key Aspects	Rating	Auditor Remarks	Principal's Response
Placement Status	Good(4)		Current batch is being trained to achieve full placement before programme exit.
Class/course committee meetings and action taken report (B)	Excellent(5)		Noted
Syllabus coverage as per course plan (B)	Excellent(5)		Noted
Evaluation of Answer Scripts (A):	Excellent(5)		Noted
Maintenance of course diary (A)	Excellent(5)		Noted
Faculty evaluation amp remarks of the HoD (A)	Excellent(5)		Noted
Facility in the department library for references (C)	Excellent(5)	1006 books	Noted
Conduct of Seminar, Project and Thesis (A)	Excellent(5)		Noted
Faculty with Ph.D for the program (A)	Excellent(5)	3 faculty with PhD engaging for PG	Noted
Computing facility in the department (A)	Excellent(5)	42 dedicated systems, shared with central computing facility	Noted
Facility for co-curricular and extracurricular activities (B)	Excellent(5)		Noted
Students attending MOOC or other online courses (B)	Good(4)	1 student completed MOOC	All the students are now enrolled and instructions have been given to complete it this academic year itself.

MASTERS IN BUSINESS ADMINISTRATION-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Placement Status	Excellent(5)	More than 70% of students placed	Noted
Class/course committee meetings and action taken report (B)	Excellent(5)		Noted
Syllabus coverage as per course plan (B)	Excellent(5)		Noted
Evaluation of Answer Scripts (A):	Excellent(5)		Noted
Maintenance of course diary (A)	Excellent(5)		Noted
Faculty evaluation amp remarks of the HoD (A)	Excellent(5)		Noted
Facility in the department library for references (C)	Excellent(5)	150 books, shared with the central library	Noted
Conduct of Seminar, Project and Thesis (A)	Not Relevant		
Faculty with Ph.D for the program (A)	Excellent(5)	5 faculty with PhD	Noted
Computing facility in the department (A)	Good(4)	12 dedicated systems, students having their own laptops	It is ensured that all students should use their laptops for academic activities.
Facility for co-curricular and extracurricular activities (B)	Excellent(5)		Noted
Students attending MOOC or other online courses (B)	Excellent(5)	32 students completed MOOC, it is a mandate for MBA students	Noted

MCA TWO YEARS-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Placement Status	Excellent(5)	48 students placed out of 54	Noted
Class/course committee meetings and action taken report (B)	Excellent(5)		Noted

Syllabus coverage as per course plan (B)	Excellent(5)		Noted
Evaluation of Answer Scripts (A):	Excellent(5)		Noted
Maintenance of course diary (A)	Excellent(5)		Noted
Faculty evaluation amp remarks of the HoD (A)	Excellent(5)		Noted
Facility in the department library for references (C)	Excellent(5)	159 books	Noted
Conduct of Seminar, Project and Thesis (A)	Excellent(5)		Noted
Faculty with Ph.D for the program (A)	Excellent(5)	1 faculty with PhD	Noted
Computing facility in the department (A)	Excellent(5)	62 dedicated systems, shared with central computing facility	Noted
Facility for co-curricular and extracurricular activities (B)	Excellent(5)		Noted
Students attending MOOC or other online courses (B)	Excellent(5)	51 students certified	Noted