



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

Academic Audit Report
2022 - 2023

Basic Details

Institution	SCMS SCHOOL OF ENGINEERING AND TECHNOLOGY
First Auditor Name	Ratnan P
Second Auditor Name	Dr Veena V
Visit	First
Semester Type	Odd

General Assessment

Auditor's Comment	Principal's Response

College Specific Assessments

Key Aspects	Rating	Auditor Remarks	Principal's Response
Compliance to the Academic Calendar of KTU (A)	Excellent(5)	Strictly followed. Saturdays has been declared as working day.	
Functioning of students grievances and appeal committee (A)	Good(4)	No major complaint received. ATR missing	
Functioning of Academic Discipline Welfare committee (A)	Excellent(5)	Excellent	
Average student to faculty ratio (A)	Excellent(5)	SFR= $20 \times 123 / 2100 = 1.17$, Excellent	
Faculty Retention (A)	Excellent(5)	Excellent faculty retention	
Faculty Qualification Index (A)	Good(4)	FQI= 6.8, Good	

Number of qualified technical staff (A)	Excellent(5)	34 Technical staff members	
Facility of central library with respect to volume and title of books, online print journals (A)	Excellent(5)	volume - 37925, Title - 9643	
Functioning of IQAC and Progress of IQAC report uploading (A)	Fair(3)	IQAC Coordinator was absent for audit, Minutes are not appropriate. ATR missing	IQAC coordinator of SSET is a part of KTU audit team. He was assigned with audit duties in other colleges on the day audit was scheduled for SSET. Free days for both the auditors did not match.
Institution Budget (A)	Excellent(5)	Budget = Rs 198225000	
Details of central computing facility (A)	Excellent(5)	Total of 510 system in the campus. Bandwidth of 200 MPPs	
Principals response on previous audit reports (A)	Excellent(5)	Responded in time..	

MECHANICAL ENGINEERING-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Placement Status	Poor(2)	Less placement. Admission is Very Poor.	Core placement has reduced after Covid but students gets placed in IT firms. With increased attraction to CS there is a general decline in admission in other departments.
Class/course committee meetings and action taken report (B)	Fair(3)	HOD was absent for audit.	HOD is a part of KTU audit team. He was assigned with audit duties in other colleges on the day audit was scheduled for SSET.

Advisory meetings and action taken report (B)	Fair(3)	Not verified	Students are addressed more than once in a semester by faculty advisors and HOD to enlighten them on curriculum and regulations.
Syllabus coverage as per course plan (B)	Good(4)		
Conduct of Tutorial Classes (B)	Good(4)		
Evaluation of Answer Scripts (A):	Good(4)		
Conduct of practical courses (B)	Good(4)		
Evaluation of students performance in practical classes (A):	Good(4)		
Facility to do experiments in the lab (A)	Good(4)		
Conduct of remedial/minor/honours classes (B)	Good(4)	Not satisfactory. Result is less.	Hours have been allotted as per University curriculum. Late conduct of ESE leads to lack of interest of students in Honours.
Maintenance of course diary (A)	Good(4)		
Assessment of Outcomes (A)	Fair(3)	Not Verified	
Faculty evaluation amp remarks of the HoD (A)	Poor(2)	No evaluation conducted systematically.	Evaluation is done in the ERP software and hence no hard copy is kept.
Conduct of Seminar, Project and Thesis (A)	Good(4)		
Computing facility in the department (A)	Good(4)		
Facility for co-curricular and extracurricular activities (B)	Good(4)		

Students attending MOOC or other online courses (B)	Poor(2)	No motivation.	Late conduct of Minor/Honours exam is causing lack of interest of students in these courses.
Maintenance of A1, A2 and A3 files.	Fair(3)		
Maintenance of B files.	Fair(3)		
Maintenance of C and D files.	Fair(3)		

CIVIL ENGINEERING-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Placement Status	Poor(2)	Less placement. Admission intake is less.	Core placement has reduced after Covid but students gets placed in IT firms. With increased attraction to CS there is a general decline in admission in other departments.
Class/course committee meetings and action taken report (B)	Good(4)		
Advisory meetings and action taken report (B)	Poor(2)	No serious assessment and remedial measures..	Students are addressed more than once in a semester by faculty advisors and HOD to enlighten them on curriculum and regulations.
Syllabus coverage as per course plan (B)	Good(4)		
Conduct of Tutorial Classes (B)	Good(4)		
Evaluation of Answer Scripts (A):	Good(4)		
Conduct of practical courses (B)	Good(4)		

Evaluation of students performance in practical classes (A):	Good(4)		
Facility to do experiments in the lab (A)	Good(4)		
Conduct of remedial/minor/honours classes (B)	Good(4)		
Maintenance of course diary (A)	Excellent(5)		
Assessment of Outcomes (A)	Good(4)		
Faculty evaluation amp remarks of the HoD (A)	Excellent(5)	Excellent	
Conduct of Seminar, Project and Thesis (A)	Good(4)		
Computing facility in the department (A)	Excellent(5)		
Facility for co-curricular and extracurricular activities (B)	Good(4)		
Students attending MOOC or other online courses (B)	Poor(2)	No motivation.	Late conduct of Minor/Honours exam is causing lack of interest of students in these courses.
Maintenance of A1, A2 and A3 files.	Excellent(5)	Excellent	
Maintenance of B files.	Excellent(5)	Excellent	
Maintenance of C and D files.	Excellent(5)	Excellent	

ELECTRONICS & COMMUNICATION ENGG-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Placement Status	Good(4)	Placement is improving. First year intake increased compared to last years	
Class/course committee meetings and action taken report (B)	Excellent(5)	Systematic Implementation is must.	

Advisory meetings and action taken report (B)	Good(4)		
Syllabus coverage as per course plan (B)	Excellent(5)	As per KTU calendar.	
Conduct of Tutorial Classes (B)	Good(4)	More is required.	
Evaluation of Answer Scripts (A):	Excellent(5)		
Conduct of practical courses (B)	Excellent(5)		
Evaluation of students performance in practical classes (A):	Excellent(5)		
Facility to do experiments in the lab (A)	Excellent(5)		
Conduct of remedial/minor/honours classes (B)	Good(4)		
Maintenance of course diary (A)	Good(4)		
Assessment of Outcomes (A)	Good(4)		
Faculty evaluation amp remarks of the HoD (A)	Good(4)		
Conduct of Seminar, Project and Thesis (A)	Good(4)		
Computing facility in the department (A)	Good(4)		
Facility for co-curricular and extracurricular activities (B)	Good(4)		
Students attending MOOC or other online courses (B)	Fair(3)	Less students	Late conduct of Minor/Honours exam is causing lack of interest of students in these courses.
Maintenance of A1, A2 and A3 files.	Good(4)		
Maintenance of B files.	Good(4)		

Maintenance of C and D files.	Good(4)		
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Civil and Environmental Engineering-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Placement Status	Good(4)	Core Placement is less.. Because of that Admission in take is less.	This course was started in 2021. First batch is not yet out.
Class/course committee meetings and action taken report (B)	Excellent(5)	Excellent	
Advisory meetings and action taken report (B)	Good(4)	No proper steps.	Students are addressed more than once in a semester by faculty advisors and HOD to enlighten them on curriculum and regulations.
Syllabus coverage as per course plan (B)	Excellent(5)	Syllabus as per calendar.	
Conduct of Tutorial Classes (B)	Excellent(5)	Tutorial are conducted	
Evaluation of Answer Scripts (A):	Excellent(5)	In time.	
Conduct of practical courses (B)	Excellent(5)	As per syllabus	
Evaluation of students performance in practical classes (A):	Excellent(5)	Record maintained	
Facility to do experiments in the lab (A)	Excellent(5)	Excellent facility	
Conduct of remedial/minor/honours classes (B)	Excellent(5)	Good	
Maintenance of course diary (A)	Excellent(5)	Systematic	
Assessment of Outcomes (A)	Excellent(5)	Excellent	

Faculty evaluation amp remarks of the HoD (A)	Excellent(5)	Excellent	
Conduct of Seminar, Project and Thesis (A)	Excellent(5)	Excellent	
Computing facility in the department (A)	Good(4)	Good. 54 systems with Civil Engg.	
Facility for co-curricular and extracurricular activities (B)	Fair(3)	Not giving hours	Within the tight schedule of the semester without affecting the regular academic hours co-curricular activities are being conducted
Students attending MOOC or other online courses (B)	Fair(3)	Less students	Late conduct of Minor/Honours exam is causing lack of interest of students in these courses.
Maintenance of A1, A2 and A3 files.	Good(4)	Good	
Maintenance of B files.	Good(4)	Good	
Maintenance of C and D files.	Good(4)	Good	

COMPUTER SCIENCE & ENGINEERING-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Placement Status	Excellent(5)	Excellent placement status. Students intake is full.	
Class/course committee meetings and action taken report (B)	Excellent(5)	Excellent	
Advisory meetings and action taken report (B)	Fair(3)	Npt giving importance	Students are addressed more than once in a semester by faculty advisors and HOD to enlighten them on curriculum and regulations.
Syllabus coverage as per course plan (B)	Excellent(5)	Excellent	
Conduct of Tutorial Classes (B)	Excellent(5)	Systematic	

Evaluation of Answer Scripts (A):	Excellent(5)		
Conduct of practical courses (B)	Excellent(5)		
Evaluation of students performance in practical classes (A):	Excellent(5)		
Facility to do experiments in the lab (A)	Excellent(5)		
Conduct of remedial/minor/honours classes (B)	Excellent(5)		
Maintenance of course diary (A)	Excellent(5)		
Assessment of Outcomes (A)	Excellent(5)		
Faculty evaluation amp remarks of the HoD (A)	Excellent(5)		
Conduct of Seminar, Project and Thesis (A)	Excellent(5)		
Computing facility in the department (A)	Excellent(5)	Excellent. Nearly 220 systems.	
Facility for co-curricular and extracurricular activities (B)	Fair(3)	No motivation. Professional club functioning also not good.	Within the tight schedule of the semester without affecting the regular academic hours co-curricular activities are being conducted.
Students attending MOOC or other online courses (B)	Fair(3)	less students are enrolled in NPTEL.	Late conduct of Minor/Honours exam is causing lack of interest of students in these courses.
Maintenance of A1, A2 and A3 files.	Excellent(5)		
Maintenance of B files.	Excellent(5)		
Maintenance of C and D files.	Excellent(5)		

ELECTRICAL AND ELECTRONICS ENGINEERING-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Placement Status	Fair(3)	Less placement. So admission intake is only 50%	Core placement has reduced after Covid but students gets placed in IT firms. With increased attraction to CS there is a general decline in admission in other departments.
Class/course committee meetings and action taken report (B)	Good(4)		
Advisory meetings and action taken report (B)	Good(4)		
Syllabus coverage as per course plan (B)	Excellent(5)	Covered as per the academic calendar.	
Conduct of Tutorial Classes (B)	Good(4)	Not Sufficient.	Class strength is comparatively less.
Evaluation of Answer Scripts (A):	Excellent(5)		
Conduct of practical courses (B)	Excellent(5)		
Evaluation of students performance in practical classes (A):	Excellent(5)		
Facility to do experiments in the lab (A)	Excellent(5)	Excellent lab.	
Conduct of remedial/minor/honours classes (B)	Good(4)	Must conduct more to get good result.	Hours have been allotted as per University curriculum. Late conduct of ESE leads to lack of interest of students in Honours.
Maintenance of course diary (A)	Excellent(5)		
Assessment of Outcomes (A)	Good(4)		

Faculty evaluation amp remarks of the HoD (A)	Excellent(5)		
Conduct of Seminar, Project and Thesis (A)	Good(4)		
Computing facility in the department (A)	Excellent(5)	Excellent . 35 Systems	
Facility for co-curricular and extracurricular activities (B)	Good(4)	Motivation to students lacking.	Within the tight schedule of the semester without affecting the regular academic hours co-curricular activities are being conducted.
Students attending MOOC or other online courses (B)	Fair(3)	Less students	Late conduct of Minor/Honours exam is causing lack of interest of students in these courses.
Maintenance of A1, A2 and A3 files.	Good(4)	satisfactory	
Maintenance of B files.	Good(4)	satisfactory	
Maintenance of C and D files.	Good(4)	satisfactory	

AUTOMOBILE ENGINEERING-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Placement Status	Fair(3)	less placement. Students Strength is very poor. Total Students in the department is only 58.	Core placement has reduced after Covid but students gets placed in IT firms. With increased attraction to CS there is a general decline in admission in other departments.
Class/course committee meetings and action taken report (B)	Good(4)	Conducted in time	

Advisory meetings and action taken report (B)	Good(4)	Not in order.	Students are addressed more than once in a semester by faculty advisors and HOD to enlighten them on curriculum and regulations.
Syllabus coverage as per course plan (B)	Good(4)	Expected level.	
Conduct of Tutorial Classes (B)	Good(4)	Result is less.	For enhancement of results remedial classes are being conducted
Evaluation of Answer Scripts (A):	Good(4)		
Conduct of practical courses (B)	Good(4)		
Evaluation of students performance in practical classes (A):	Good(4)		
Facility to do experiments in the lab (A)	Good(4)		
Conduct of remedial/minor/honours classes (B)	Good(4)		
Maintenance of course diary (A)	Excellent(5)		
Assessment of Outcomes (A)	Good(4)		
Faculty evaluation amp remarks of the HoD (A)	Good(4)		
Conduct of Seminar, Project and Thesis (A)	Good(4)		
Computing facility in the department (A)	Good(4)		
Facility for co-curricular and extracurricular activities (B)	Good(4)		
Students attending MOOC or other online courses (B)	Fair(3)	Less students.	Late conduct of Minor/Honours exam is causing lack of interest of students in these courses.

Maintenance of A1, A2 and A3 files.	Good(4)		
Maintenance of B files.	Good(4)		
Maintenance of C and D files.	Good(4)		

Computer Science and Engineering (Data Science)-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Placement Status	Not Relevant	Only 1st and 2nd year students	
Class/course committee meetings and action taken report (B)	Excellent(5)		
Advisory meetings and action taken report (B)	Good(4)	Have to conduct meetings.	Students are addressed more than once in a semester by faculty advisors and HOD to enlighten them on curriculum and regulations.
Syllabus coverage as per course plan (B)	Good(4)		
Conduct of Tutorial Classes (B)	Good(4)		
Evaluation of Answer Scripts (A):	Good(4)		
Conduct of practical courses (B)	Good(4)		
Evaluation of students performance in practical classes (A):	Good(4)		
Facility to do experiments in the lab (A)	Excellent(5)		
Conduct of remedial/minor/honours classes (B)	Good(4)		
Maintenance of course diary (A)	Excellent(5)		

Assessment of Outcomes (A)	Fair(3)		
Faculty evaluation amp remarks of the HoD (A)	Excellent(5)		
Conduct of Seminar, Project and Thesis (A)	Excellent(5)		
Computing facility in the department (A)	Excellent(5)		
Facility for co-curricular and extracurricular activities (B)	Fair(3)	Not giving importance.	Within the tight schedule of the semester without affecting the regular academic hours co-curricular activities are being conducted.
Students attending MOOC or other online courses (B)	Fair(3)		
Maintenance of A1, A2 and A3 files.	Good(4)		
Maintenance of B files.	Good(4)		
Maintenance of C and D files.	Good(4)		

ELECTRONICS AND COMMUNICATION ENGINEERING(COMMUNICATION ENGINEERING)-(Full Time)

There are no admissions

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

There are no admissions

MECHANICAL ENGINEERING(PRODUCTION AND INDUSTRIAL ENGINEERING)-(Full Time)

There are no admissions

CIVIL ENGINEERING(ENVIRONMENTAL ENGINEERING)-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Placement Status	Good(4)	Less students	Less students only in current year of admission.
Class/course committee meetings and action taken report (B)	Good(4)		

Syllabus coverage as per course plan (B)	Good(4)		
Evaluation of Answer Scripts (A):	Good(4)		
Maintenance of course diary (A)	Good(4)		
Faculty evaluation amp remarks of the HoD (A)	Excellent(5)		
Facility in the department library for references (C)	Good(4)		
Conduct of Seminar, Project and Thesis (A)	Good(4)		
Faculty with Ph.D for the program (A)	Excellent(5)		
Computing facility in the department (A)	Excellent(5)		
Facility for co-curricular and extracurricular activities (B)	Good(4)		
Students attending MOOC or other online courses (B)	Good(4)		

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

Key Aspects	Rating	Auditor Remarks	Principal's Response
Placement Status	Good(4)	Less Student	
Class/course committee meetings and action taken report (B)	Good(4)		
Syllabus coverage as per course plan (B)	Good(4)		
Evaluation of Answer Scripts (A):	Good(4)		
Maintenance of course diary (A)	Good(4)		
Faculty evaluation amp remarks of the HoD (A)	Good(4)		
Facility in the department library for references (C)	Excellent(5)		

Conduct of Seminar, Project and Thesis (A)	Good(4)		
Faculty with Ph.D for the program (A)	Good(4)	Only 3 PhDs including BTech and MCA	3 more has been awarded PhD this week and 12 faculty members are doing PhD are are at various stages of completion.
Computing facility in the department (A)	Excellent(5)		
Facility for co-curricular and extracurricular activities (B)	Good(4)		
Students attending MOOC or other online courses (B)	Good(4)		

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

Key Aspects	Rating	Auditor Remarks	Principal's Response
Placement Status	Good(4)	Less students	Less students only in current year of admission.
Class/course committee meetings and action taken report (B)	Good(4)		
Syllabus coverage as per course plan (B)	Good(4)		
Evaluation of Answer Scripts (A):	Good(4)		
Maintenance of course diary (A)	Good(4)		
Faculty evaluation amp remarks of the HoD (A)	Good(4)		
Facility in the department library for references (C)	Excellent(5)		
Conduct of Seminar, Project and Thesis (A)	Excellent(5)		
Faculty with Ph.D for the program (A)	Excellent(5)		
Computing facility in the department (A)	Excellent(5)		

Facility for co-curricular and extracurricular activities (B)	Good(4)		
Students attending MOOC or other online courses (B)	Good(4)		

MCA TWO YEARS-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Placement Status	Not Relevant		
Class/course committee meetings and action taken report (B)	Good(4)		
Syllabus coverage as per course plan (B)	Good(4)		
Evaluation of Answer Scripts (A):	Good(4)		
Maintenance of course diary (A)	Good(4)		
Faculty evaluation amp remarks of the HoD (A)	Good(4)		
Facility in the department library for references (C)	Good(4)		
Conduct of Seminar, Project and Thesis (A)	Good(4)		
Faculty with Ph.D for the program (A)	Good(4)	No separate faculty members.	Student intake for MCA is 30. as per requirement student faculty ratio is 20:1. As per this requirement 3 faculty is present.
Computing facility in the department (A)	Good(4)		
Facility for co-curricular and extracurricular activities (B)	Good(4)		
Students attending MOOC or other online courses (B)	Good(4)		