



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

Academic Audit Report
2019 - 2020

Basic Details

Institution	NSS COLLEGE OF ENGINEERING
First Auditor Name	G Murugananth
Second Auditor Name	
Visit	First
Semester Type	Odd

College Specific Assessments

Key Aspects	Rating	Auditor Remarks	Principal's Response
Compliance to the Academic Calendar of KTU	Excellent(5)		
Functioning of students grievances and appeal committee	Good(4)	A grievance was reported and action taken has been recorded.	
Functioning of Academic Discipline & Welfare committee	Good(4)	Consolidated list of students involved in malpractice is maintained. Welfare committee meetings are being conducted periodically and minutes are recorded.	
Facility for co- curricular and extracurricular activities	Good(4)	Activities are being conducted.	
Average student to faculty ratio	Excellent(5)	$SFR = (20 \times 141) / 2460 = 1.146$	

Faculty Retention	Fair(3)	Retired faculty members posts are being replaced by guest lecturers.	All retired faculty vacancies were either filled permanently or filled temporarily with guest lecturer
Faculty Qualification Index	Excellent(5)	7.024	
Number of qualified technical staff	Excellent(5)	137	
Facility of central library with respect to volume and title of books, online & print journals	Excellent(5)		
Functioning of IQAC and progress of IQAC report uploading	Excellent(5)	IQAC is functioning well. Internal audits are being conducted and follow up actions are recorded.	
Principal's response on previous audit reports	Excellent(5)		

Student Interaction

Key Aspects	Rating	Auditor Remarks	Principal's Response
Syllabus coverage	Good(4)		
Lab Facility and conduct of Labs	Good(4)		
Co-curricular facility	Good(4)		
Extra-curricular facility	Good(4)		
All intimation from University conveyed properly in time	Good(4)		
Extra fees/fine imposed on students	Excellent(5)		
Approach of the management in addressing student grievances	Good(4)		
Availability of Faculty for all subjects	Excellent(5)		
Any other remarks	Not Relevant	Students requested to increase the number of books to be issued from central library. They are looking for interdisciplinary project groups. They requested to widen the choice of electives offered.	Number of books and number of days are as per the govt order. Only two books are permitted for 14 days. Interdisciplinary projects are encouraged and some B.tech interdisciplinary projects are carried out since last year. Electives are offered as per the choice of students and number of faculty available considering the total work load of the semester

B.Tech

No of B.Tech Students	2383
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COMPUTER SCIENCE & ENGINEERING-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
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Class/course committee meetings and action taken report	Good(4)		
Advisory meetings and action taken report	Good(4)		
Schedule of Time Table	Good(4)		
Conduct of Tutorial Classes	Good(4)		
Conduct of series tests	Good(4)		
Syllabus coverage of practical course	Good(4)		
Evaluation of students performance in practical classes	Good(4)		
Conduct of Practical test	Good(4)		
Facility to do experiments in the lab	Good(4)		
Conduct of remedial/minor/honours classes	Good(4)	Outcome of the remedial classes to be assessed.	
Assessment of Outcomes	Good(4)		
Faculty evaluation & remarks of the HOD	Good(4)		
Facility in the department library for references	Good(4)		
Maintenance of course diary	Good(4)		
Syllabus coverage as per course plan	Good(4)		

ELECTRICAL AND ELECTRONICS ENGINEERING-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Class/course committee meetings and action taken report	Good(4)		
Advisory meetings and action taken report	Good(4)		

Schedule of Time Table	Good(4)		
Conduct of Tutorial Classes	Good(4)		
Conduct of series tests	Good(4)		
Syllabus coverage of practical course	Good(4)		
Evaluation of students performance in practical classes	Good(4)		
Conduct of Practical test	Good(4)		
Facility to do experiments in the lab	Good(4)		
Conduct of remedial/minor/honours classes	Good(4)	Remedial classes outcome to be accessed.	
Assessment of Outcomes	Good(4)		
Faculty evaluation & remarks of the HOD	Good(4)		
Facility in the department library for references	Good(4)		
Maintenance of course diary	Good(4)		
Syllabus coverage as per course plan	Good(4)		

MECHANICAL ENGINEERING-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Class/course committee meetings and action taken report	Good(4)		
Advisory meetings and action taken report	Good(4)		
Schedule of Time Table	Good(4)		
Conduct of Tutorial Classes	Good(4)		
Conduct of series tests	Good(4)		

Syllabus coverage of practical course	Good(4)		
Evaluation of students performance in practical classes	Good(4)		
Conduct of Practical test	Good(4)		
Facility to do experiments in the lab	Good(4)		
Conduct of remedial/minor/honours classes	Good(4)	Remedial classes are being conducted. But the outcome need to be assessed.	
Assessment of Outcomes	Good(4)		
Faculty evaluation & remarks of the HOD	Good(4)		
Facility in the department library for references	Good(4)		
Maintenance of course diary	Good(4)		
Syllabus coverage as per course plan	Good(4)		

INSTRUMENTATION AND CONTROL ENGINEERING-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Class/course committee meetings and action taken report	Good(4)		
Advisory meetings and action taken report	Good(4)		
Schedule of Time Table	Excellent(5)		
Conduct of Tutorial Classes	Good(4)		
Conduct of series tests	Excellent(5)		
Syllabus coverage of practical course	Excellent(5)		
Evaluation of students performance in practical classes	Good(4)		

Conduct of Practical test	Good(4)		
Facility to do experiments in the lab	Good(4)		
Conduct of remedial/minor/honours classes	Good(4)	Remedial classes are being conducted. But the outcome of the remedial classes are not recorded.	Will record the improvement once the results will get published
Assessment of Outcomes	Good(4)		
Faculty evaluation & remarks of the HOD	Good(4)		
Facility in the department library for references	Excellent(5)		
Maintenance of course diary	Good(4)		
Syllabus coverage as per course plan	Good(4)		

ELECTRONICS & COMMUNICATION ENGG-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Class/course committee meetings and action taken report	Good(4)		
Advisory meetings and action taken report	Good(4)		
Schedule of Time Table	Good(4)		
Conduct of Tutorial Classes	Good(4)		
Conduct of series tests	Good(4)		
Syllabus coverage of practical course	Good(4)		
Evaluation of students performance in practical classes	Good(4)		
Conduct of Practical test	Good(4)		
Facility to do experiments in the lab	Good(4)		

Conduct of remedial/minor/honours classes	Good(4)	Remedial classes being conducted. But the outcome needs o be accessed.	
Assessment of Outcomes	Good(4)		
Faculty evaluation & remarks of the HOD	Good(4)	Performance of faculty has been conducted. Scope for improvement has been communicated to one faculty with lesser performance index.	
Facility in the department library for references	Good(4)		
Maintenance of course diary	Good(4)		
Syllabus coverage as per course plan	Good(4)		

CIVIL ENGINEERING-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Class/course committee meetings and action taken report	Good(4)		
Advisory meetings and action taken report	Good(4)		
Schedule of Time Table	Good(4)		
Conduct of Tutorial Classes	Good(4)		
Conduct of series tests	Good(4)		
Syllabus coverage of practical course	Good(4)		
Evaluation of students performance in practical classes	Good(4)		
Conduct of Practical test	Good(4)		
Facility to do experiments in the lab	Good(4)		

Conduct of remedial/minor/honours classes	Good(4)	Remedial classes are being conducted. The outcome is to be accessed.	
Assessment of Outcomes	Good(4)		
Faculty evaluation & remarks of the HOD	Good(4)		
Facility in the department library for references	Good(4)		
Maintenance of course diary	Good(4)		
Syllabus coverage as per course plan	Good(4)		

M.Tech

No of M.Tech Students	143
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ELECTRICAL AND ELECTRONICS ENGINEERING(INSTRUMENTATION AND CONTROL)-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Maintenance of course diary	Not Relevant		
Syllabus coverage as per course plan	Not Relevant		
Class committee meetings and action taken report	Not Relevant		
Conduct of Seminar & Mini project	Not Relevant		
Conduct of Thesis	Not Relevant		
Faculty with Ph.D for the program	Not Relevant		
Students attending MOOC or other online courses	Not Relevant		
Facility in the department library for journal reference	Not Relevant		
Computing facility in the department	Not Relevant		

Facility available in the department to do thesis work(all relevant licensed software)	Not Relevant		
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ELECTRICAL AND ELECTRONICS ENGINEERING(POWER ELECTRONICS)-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Maintenance of course diary	Good(4)		
Syllabus coverage as per course plan	Good(4)		
Class committee meetings and action taken report	Good(4)		
Conduct of Seminar & Mini project	Good(4)		
Conduct of Thesis	Not Relevant	Not applicable in odd semester.	
Faculty with Ph.D for the program	Good(4)		
Students attending MOOC or other online courses	Good(4)		
Facility in the department library for journal reference	Good(4)		
Computing facility in the department	Good(4)		
Facility available in the department to do thesis work(all relevant licensed software)	Good(4)		

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

Key Aspects	Rating	Auditor Remarks	Principal's Response
Maintenance of course diary	Good(4)		
Syllabus coverage as per course plan	Good(4)		

Class committee meetings and action taken report	Good(4)		
Conduct of Seminar & Mini project	Good(4)	Reviews are being conducted periodically.	
Conduct of Thesis	Not Relevant	Not applicable for the odd semester.	
Faculty with Ph.D for the program	Good(4)		
Students attending MOOC or other online courses	Good(4)	Students underwent Udemey courses.	
Facility in the department library for journal reference	Good(4)		
Computing facility in the department	Good(4)		
Facility available in the department to do thesis work(all relevant licensed software)	Good(4)		

CIVIL ENGINEERING(STRUCTURAL ENGINEERING)-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Maintenance of course diary	Good(4)		
Syllabus coverage as per course plan	Good(4)		
Class committee meetings and action taken report	Good(4)		
Conduct of Seminar & Mini project	Good(4)		
Conduct of Thesis	Very Poor(1)	Not applicable in Odd Semester.	
Faculty with Ph.D for the program	Good(4)		
Students attending MOOC or other online courses	Good(4)		
Facility in the department library for journal reference	Good(4)		

Computing facility in the department	Good(4)		
Facility available in the department to do thesis work(all relevant licensed software)	Good(4)		

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

Key Aspects	Rating	Auditor Remarks	Principal's Response
Maintenance of course diary	Good(4)		
Syllabus coverage as per course plan	Good(4)		
Class committee meetings and action taken report	Good(4)		
Conduct of Seminar & Mini project	Good(4)		
Conduct of Thesis	Not Relevant	Not applicable in odd semester.	
Faculty with Ph.D for the program	Good(4)		
Students attending MOOC or other online courses	Good(4)		
Facility in the department library for journal reference	Good(4)		
Computing facility in the department	Good(4)		
Facility available in the department to do thesis work(all relevant licensed software)	Good(4)		

MECHANICAL ENGINEERING(COMPUTER INTEGRATED MANUFACTURING)-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Maintenance of course diary	Good(4)		

Syllabus coverage as per course plan	Good(4)		
Class committee meetings and action taken report	Good(4)		
Conduct of Seminar & Mini project	Good(4)	Reviews are being conducted at regular intervals and evaluation is on progress.	
Conduct of Thesis	Not Relevant	Not applicable for ODD semester	
Faculty with Ph.D for the program	Good(4)		
Students attending MOOC or other online courses	Very Poor(1)	No students enrolled for online courses.	
Facility in the department library for journal reference	Good(4)		
Computing facility in the department	Good(4)		
Facility available in the department to do thesis work(all relevant licensed software)	Good(4)		