



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

**Academic Audit Report**  
**2020 - 2021**

**Basic Details**

Institution	<b>VEDAVYASA INSTITUTE OF TECHNOLOGY</b>
First Auditor Name	<b>S Kavitha Murugesan</b>
Second Auditor Name	
Visit	<b>Second</b>
Semester Type	<b>Odd</b>

**College Specific Assessments**

<b>Key Aspects</b>	<b>Rating</b>	<b>Auditor Remarks</b>	<b>Principal's Response</b>
Compliance to the Academic Calendar of KTU (B)	Excellent(5)	KTU notifications are followed to update college calendar	Ok
Functioning of students grievances and appeal committee (B)	Excellent(5)	No much grievances are received.	OK
Average student to faculty ratio (A)	Good(4)	In ECE branch only two years are functioning (S3 and S1). No admission in other years.	2017 and 2018 has no admission in ECE branch
Faculty Qualification Index (A)	Fair(3)	Number of Phd: 7 Number of PG : 54	three more staff members will complete their PhD Soon
Number of qualified technical staff (A)	Good(4)	8	Each department has sufficient lab assistants

Facility of central library with respect to volume, title of books, online print journals (A)	Excellent(5)	Number of international journals: 54 Number of Ebooks : subscribed to EBSCO Number of books : 23000	OK
Functioning of IQAC and Progress of IQAC report uploading (A)	Excellent(5)	7 meetings conducted. Monthly reports are uploaded in KTU portal. QAR submitted to KTU and uploaded in College portal.	OK

### Student Interaction

Key Aspects	Rating	Auditor Remarks	Principal's Response
Syllabus coverage (B)	Excellent(5)	All subjects are covered	OK
Effectiveness of teaching/learning process	Good(4)	Contact classes helped students to clear doubts in problematic subjects	<p>Students utilized the contact classes for understanding about the subject more. Though they had some travel issues and fear of COVID while using public transport, they found it useful to attend the contact classes. Online classes for S1 is continuing till Feb 26th and those students also had no issues for attending the online classes. They have a problem with the understanding of Maths and graphics , they were advised that the contact classes which starts soon will solve their issues.</p> <p>Online classes were attended by First years in a proper manner. They did not have any serious issues in connectivity.</p>

Conduct of Labs (B)	Excellent(5)	done in online and offline	Most of the departments started the lab classes well before the contact classes, they used online videos and recorded practicals along with VLAB from IITs. Once the contact classes have started, more importance was given to Lab and Problematic subjects. Thus they were allowed to complete more experiments in the lab. Evaluation was done based on KTU norms and students are satisfied with the way the lab classes were completed. Exams are conducted as per regulations of KTU in offline mode -during when students were at the campus.
Continuous assessment (B)	Excellent(5)	done as per regulations	OK
Interaction/discussion/doubt clearing etc (A)	Excellent(5)	done during Contact classes	During online classes, teachers posted the material in whatsapp and google classroom. Students contacted the teachers in class for any doubts. Special classes were arranged for clearing the doubts especially in problematic subjects.
Net connectivity issue	Good(4)	No much issues. Some got connectivity issues, but they managed to clear doubt using whatsapp and in contact class	Most of the students were able to attend all classes except few classes missed due to connectivity issues- Those students were able to manage the next class as the recorded vedio and material was posted in whatsapp and in google classroom.

Extra fees/fine imposed on students (B)	Excellent(5)	No extra fee or fine.	OK
Approach of the management/institution in addressing student grievances (B)	Excellent(5)	Management considers all requests of stakeholders in a positive manner.	OK
Availability of Faculty for all subjects (A)	Excellent(5)	All subjects are handled by qualified staff.	OK
Any other remarks (C)	Excellent(5)	No specific remarks	OK

### B.Tech

<b>No of B.Tech Students</b>	129
------------------------------	-----

### COMPUTER SCIENCE & ENGINEERING-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Class/course committee meetings and action taken report (B)	Excellent(5)	Verified minutes	ok
Advisory meetings and action taken report (B)	Excellent(5)	verified minutes	ok
Result analysis of previous odd semester (A)	Good(4)	S8: 92 S6: 88  S2:50% S4:35%	ok
Syllabus coverage as per course plan (A)	Excellent(5)	covered properly	ok
Platform used for LMS/Course materials and lectures uploaded (A)	Good(4)	Vedavyasa APP and Google classroom, Whatsapp	ok
Conduct of minor/honours classes (A)	Excellent(5)	done properly	ok
NPTEL/SWAYAM course materials recommended for reading (B)	Good(4)	Design Engineering subject does not recommend any NPTEL courses	Teacher was informed to recommend some relevant courses if any

Conduct of Internal assessments for theory and lab classes (A)	Excellent(5)	Verified lab records and course diaries- done as per norms	ok
The mechanisms for taking feedback as to whether the online classes are effective (B)	Excellent(5)	Daily feedback through whatsapp, and through advisory meetings	ok
Conduct of series tests (A)	Excellent(5)	S3,S5,S7 two tests in online mode. S1 test 1- online test2 planned in offline.	ok
Maintenance of course diary (A)	Excellent(5)	Maintained properly	ok
Register showing Activity points (B)	Good(4)	Available	ok
Conduct of laboratory classes with relevant details(A)	Excellent(5)	Done online and in offline	ok
Online Faculty evaluation amp remarks of the HoD (A)	Excellent(5)	Done two times and remarks are available	ok

#### **ELECTRICAL AND ELECTRONICS ENGINEERING-(Full Time)**

<b>Key Aspects</b>	<b>Rating</b>	<b>Auditor Remarks</b>	<b>Principal's Response</b>
Class/course committee meetings and action taken report (B)	Good(4)	Action taken reports should be a separate document	Ok
Advisory meetings and action taken report (B)	Good(4)	Action taken reports should be a separate document	Ok
Result analysis of previous odd semester (A)	Good(4)	s8: 75% S6: - ( no regular students) S4: 40%	Ok
Syllabus coverage as per course plan (A)	Excellent(5)	Covered properly	Ok
Platform used for LMS/Course materials and lectures uploaded (A)	Good(4)	Vedavyasa App and Whastapp, Google classroom	Ok
Conduct of minor/honours classes (A)	Excellent(5)		Ok

NPTEL/SWAYAM course materials recommended for reading (B)	Good(4)	Some teachers have not recommended	Reminded all teachers to recommend and document
Conduct of Internal assessments for theory and lab classes (A)	Excellent(5)	As per norms	ok
The mechanisms for taking feedback as to whether the online classes are effective (B)	Excellent(5)	Daily whatsapp	ok
Conduct of series tests (A)	Excellent(5)	S3, S5, S7 two tests completed. in online mode. S1 1 test over in online. Test 2 will be conducted in offline	ok
Maintenance of course diary (A)	Good(4)	Uniform pattern is not followed.	Informed IQAC team to verify each and make it uniform
Register showing Activity points (B)	Excellent(5)	Available	Ok
Conduct of laboratory classes with relevant details(A)	Excellent(5)	Done properly	Ok
Online Faculty evaluation amp remarks of the HoD (A)	Excellent(5)	Available	Ok

#### **CIVIL ENGINEERING-(Full Time)**

<b>Key Aspects</b>	<b>Rating</b>	<b>Auditor Remarks</b>	<b>Principal's Response</b>
Class/course committee meetings and action taken report (B)	Excellent(5)	Minutes verified	ok
Advisory meetings and action taken report (B)	Excellent(5)	Minutes verified	ok
Result analysis of previous odd semester (A)	Good(4)	S8: 93 S6:80 S4: 66	ok

Syllabus coverage as per course plan (A)	Excellent(5)	Covered properly	ok
Platform used for LMS/Course materials and lectures uploaded (A)	Good(4)	Vedavyasa APP, Google classroom and Whatsapp	ok
Conduct of minor/honours classes (A)	Excellent(5)		ok
NPTEL/SWAYAM course materials recommended for reading (B)	Excellent(5)		ok
Conduct of Internal assessments for theory and lab classes (A)	Excellent(5)	done as per norms	ok
The mechanisms for taking feedback as to whether the online classes are effective (B)	Excellent(5)	Daily whatsapp	ok
Conduct of series tests (A)	Excellent(5)	S3, S5, S7 two online tests, S1 1- online and another will be in offline	ok
Maintenance of course diary (A)	Excellent(5)	done Properly	ok
Register showing Activity points (B)	Excellent(5)	Available	ok
Conduct of laboratory classes with relevant details(A)	Excellent(5)	Online and offline	ok
Online Faculty evaluation amp remarks of the HoD (A)	Excellent(5)	Available	ok

#### **ELECTRONICS & COMMUNICATION ENGG-(Full Time)**

<b>Key Aspects</b>	<b>Rating</b>	<b>Auditor Remarks</b>	<b>Principal's Response</b>
Class/course committee meetings and action taken report (B)	Excellent(5)		ok
Advisory meetings and action taken report (B)	Excellent(5)		ok



Result analysis of previous odd semester (A)	Excellent(5)	S8: 100%	ok
Syllabus coverage as per course plan (A)	Excellent(5)	Done properly	ok
Platform used for LMS/Course materials and lectures uploaded (A)	Good(4)	Vedavyasa App, Google classroom, whatsapp	ok
Conduct of minor/honours classes (A)	Not Relevant	No minor registrations	ok
NPTEL/SWAYAM course materials recommended for reading (B)	Good(4)	some teachers need to recommend	ok
Conduct of Internal assessments for theory and lab classes (A)	Excellent(5)	As per norms	ok
The mechanisms for taking feedback as to whether the online classes are effective (B)	Excellent(5)	daily whatsapp and advisory meetings	ok
Conduct of series tests (A)	Excellent(5)	Done as per norms	ok
Maintenance of course diary (A)	Excellent(5)		ok
Register showing Activity points (B)	Good(4)	Register maintained- excel format need to be done	Informed HoD to prepare required document
Conduct of laboratory classes with relevant details(A)	Excellent(5)	Done in offline mode	ok
Online Faculty evaluation amp remarks of the HoD (A)	Excellent(5)	Available	ok

### **MECHANICAL ENGINEERING-(Full Time)**

<b>Key Aspects</b>	<b>Rating</b>	<b>Auditor Remarks</b>	<b>Principal's Response</b>
Class/course committee meetings and action taken report (B)	Good(4)	All the meeting reports are available	Ok
Advisory meetings and action taken report (B)	Excellent(5)	Available	Ok

Result analysis of previous odd semester (A)	Fair(3)	S8: 85% S6: 50% S4: 36%	Results are improved in higher semesters.
Syllabus coverage as per course plan (A)	Excellent(5)	covered	Ok
Platform used for LMS/Course materials and lectures uploaded (A)	Good(4)	All teachers use Vedavyasa APP and other software like Google class room and whatsapp.	Ok
Conduct of minor/honours classes (A)	Excellent(5)	done properly	Ok
NPTEL/SWAYAM course materials recommended for reading (B)	Good(4)	for some subjects, teachers have not recommended yet	All teachers were reminded to recommend NPTEL videos and enter it in course journal
Conduct of Internal assessments for theory and lab classes (A)	Excellent(5)	Done as per norms	Ok
The mechanisms for taking feedback as to whether the online classes are effective (B)	Excellent(5)	Daily feedback in whatsapp group	Ok
Conduct of series tests (A)	Excellent(5)	Conducted as per schedule of KTU	Ok
Maintenance of course diary (A)	Excellent(5)	Done properly	Ok
Register showing Activity points (B)	Excellent(5)	Maintained as excel sheet for entering points.	Ok
Conduct of laboratory classes with relevant details(A)	Excellent(5)	conducted in online and offline mode.	Ok
Online Faculty evaluation amp remarks of the HoD (A)	Excellent(5)	Done two times and remarks of HoD available.	Ok

### M.Tech

<b>No of M.Tech Students</b>	2
------------------------------	---

### 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)		ok
Result analysis of previous odd semester (A)	Not Relevant	No previous batch	ok
Syllabus coverage as per course plan (A)	Excellent(5)		ok
Platform used for LMS/Course materials and lectures uploaded (A)	Good(4)	Vedavyasa App and Google classroom, whatsapp	ok
The mechanisms for taking feedback as to whether the online classes are effective (B)	Excellent(5)		ok
Maintenance of course diary (A)	Excellent(5)		ok
Conduct of Seminar Mini project (A)	Not Relevant	Presentation not yet over	ok
Faculty with Ph.D for the program (A)	Excellent(5)	2 Members available	ok
Students attending MOOC or other online courses (B)	Excellent(5)	all students registered	ok
Conduct of Thesis (A)	Not Relevant	No previous batch	ok

#### **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)	Excellent(5)		ok
Result analysis of previous odd semester (A)	Not Relevant	No previous batch	ok
Syllabus coverage as per course plan (A)	Excellent(5)		ok
Platform used for LMS/Course materials and lectures uploaded (A)	Excellent(5)		ok

The mechanisms for taking feedback as to whether the online classes are effective (B)	Excellent(5)		ok
Maintenance of course diary (A)	Good(4)	Uniformity should be maintained	informed
Conduct of Seminar Mini project (A)	Not Relevant	Not yet conducted	Will be completed before March 6th
Faculty with Ph.D for the program (A)	Very Poor(1)	no one with PhD	Visiting professor available
Students attending MOOC or other online courses (B)	Good(4)	students registered	ok
Conduct of Thesis (A)	Not Relevant		only S1 is available

#### **ELECTRONICS AND COMMUNICATION ENGINEERING(EMBEDDED SYSTEMS)-(Full Time)**

<b>Key Aspects</b>	<b>Rating</b>	<b>Auditor Remarks</b>	<b>Principal's Response</b>
Class/course committee meetings and action taken report (B)	Good(4)		ok
Result analysis of previous odd semester (A)	Not Relevant	no previous results	ok
Syllabus coverage as per course plan (A)	Excellent(5)		ok
Platform used for LMS/Course materials and lectures uploaded (A)	Good(4)		ok
The mechanisms for taking feedback as to whether the online classes are effective (B)	Good(4)		ok
Maintenance of course diary (A)	Excellent(5)		ok
Conduct of Seminar Mini project (A)	Not Relevant	Presentation not yet completed.	Will be completed before March 6th
Faculty with Ph.D for the program (A)	Excellent(5)		ok
Students attending MOOC or other online courses (B)	Very Poor(1)	No student has registered for courses	Only 2 students, they were informed to register

Conduct of Thesis (A)	Not Relevant		ok
-----------------------	--------------	--	----

### **CIVIL ENGINEERING(STRUCTURAL ENGINEERING)-(Full Time)**

<b>Key Aspects</b>	<b>Rating</b>	<b>Auditor Remarks</b>	<b>Principal's Response</b>
Class/course committee meetings and action taken report (B)	Excellent(5)		ok
Result analysis of previous odd semester (A)	Excellent(5)	100%	ok
Syllabus coverage as per course plan (A)	Excellent(5)		ok
Platform used for LMS/Course materials and lectures uploaded (A)	Good(4)		ok
The mechanisms for taking feedback as to whether the online classes are effective (B)	Excellent(5)		ok
Maintenance of course diary (A)	Excellent(5)		ok
Conduct of Seminar Mini project (A)	Excellent(5)		ok
Faculty with Ph.D for the program (A)	Very Poor(1)	No one permanent with completed PhD. Only visiting faculty is available	Visiting faculty is available, HoD will complete PhD soon.
Students attending MOOC or other online courses (B)	Excellent(5)		ok
Conduct of Thesis (A)	Excellent(5)	done as per regulations	ok

### **MASTERS IN BUSINESS ADMINISTRATION-(Full Time)**

<b>Key Aspects</b>	<b>Rating</b>	<b>Auditor Remarks</b>	<b>Principal's Response</b>
Class/course committee 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		
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		