



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

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

**Basic Details**

Institution	<b>M.DASAN INSTITUTE OF TECHNOLOGY</b>
First Auditor Name	<b>HARSHAN K G</b>
Second Auditor Name	
Visit	<b>First</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)	Good(4)	The Institution is running as per KTU and College Academic Calendar prepared by the college	
Functioning of students grievances and appeal committee (B)	Excellent(5)	No grievance are reported in the current semester. Documentation of the previous semesters are perfect	
Average student to faculty ratio (A)	Excellent(5)	The value obtained was 1.005. The faculty details are updated in the college website. Necessary name boards can be placed on the departments for notifying the details of faculty members	

Faculty Qualification Index (A)	Poor(2)	The value obtained is 4.5. The Institution is required to recruit more number of Ph.D qualified faculty members to improve the FQI	Steps have already been initiated to appoint PhD. holders as we are moving for NBA accreditation Process
Number of qualified technical staff (A)	Excellent(5)		
Facility of central library with respect to volume, title of books, online print journals (A)	Good(4)	Library can subscribe more number of Journals with good indexing	Noted
Functioning of IQAC and Progress of IQAC report uploading (A)	Excellent(5)		

### Student Interaction

Key Aspects	Rating	Auditor Remarks	Principal's Response
Syllabus coverage (B)	Good(4)	Some subjects are lagging from the course plan	Issue rectified by conducting extra classes
Effectiveness of teaching/learning process	Excellent(5)		
Conduct of Labs (B)	Good(4)	For some department virtual lab is not possible	Noted
Continuous assessment (B)	Good(4)	Only series exam conducted for some subjects	Advised staff members to conduct class test for each module after completion
Interaction/discussion/doubt clearing etc (A)	Good(4)	As the classes are online direct interaction in the class is not possible	
Net connectivity issue	Fair(3)	Students are having net connectivity and data issues	
Extra fees/fine imposed on students (B)	Not Relevant	No extra fees are charged from students	
Approach of the management/institution in addressing student grievances (B)	Excellent(5)		
Availability of Faculty for all subjects (A)	Excellent(5)		
Any other remarks (C)	Not Relevant		

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

Key Aspects	Rating	Auditor Remarks	Principal's Response
Class/course committee meetings and action taken report (B)	Excellent(5)	Notice, minutes and action taken for the class committee are submitted	
Advisory meetings and action taken report (B)	Excellent(5)	Notice, minutes and action taken for the class committee are submitted	

Result analysis of previous odd semester (A)	Poor(2)	33%	Arrangements have been made to conduct remedial classes and question paper workshops
Syllabus coverage as per course plan (A)	Good(4)	Some faculties are lagging the course plan by 4-6 hours	Issue rectified by conducting extra classes
Platform used for LMS/Course materials and lectures uploaded (A)	Excellent(5)		
Conduct of minor/honours classes (A)	Excellent(5)		
NPTEL/SWAYAM course materials recommended for reading (B)	Poor(2)	Students are instructed to do NPTEL/SWAYAM courses	Necessary instructions are given to conduct more such courses
Conduct of Internal assessments for theory and lab classes (A)	Good(4)	First Internal test and assignments are completed. Lab assessment is not completed	
The mechanisms for taking feedback as to whether the online classes are effective (B)	Excellent(5)	Feedback for online classes are collected using Google form	
Conduct of series tests (A)	Good(4)	Series tests are conducted from 3/10/2020. Some staff have not included CO tabulation in the question paper	Noted for future compliance
Maintenance of course diary (A)	Excellent(5)	All relevant document are included in the course diary	
Register showing Activity points (B)	Good(4)	Activity points for 2018 batch has not been uploaded	Instructed
Conduct of laboratory classes with relevant details(A)	Good(4)	Some of the experiments are not available in the virtual lab	Noted
Online Faculty evaluation amp remarks of the HoD (A)	Excellent(5)		

### **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)	Good(4)	Action taken is not included. S1 and S3 must be submitted	Necessary instructions have given
Advisory meetings and action taken report (B)	Good(4)	Action taken is not included	Necessary instructions have given
Result analysis of previous odd semester (A)	Poor(2)	34%	Arrangements have been made to conduct remedial classes and question paper workshops
Syllabus coverage as per course plan (A)	Good(4)	Some faculties are lagging the course plan by 4-6 hours	Issue rectified by conducting extra classes
Platform used for LMS/Course materials and lectures uploaded (A)	Excellent(5)		
Conduct of minor/honours classes (A)	Excellent(5)		
NPTEL/SWAYAM course materials recommended for reading (B)	Fair(3)	No documentation. Requested for submitting details of the classes	Necessary instructions are given to conduct more such courses
Conduct of Internal assessments for theory and lab classes (A)	Good(4)	First internal assessment test and assignment are completed. Lab assessment not done.	
The mechanisms for taking feedback as to whether the online classes are effective (B)	Excellent(5)	Feedback for online classes are collected using Google Form	
Conduct of series tests (A)	Good(4)	Series tests are conducted from 3/10/2020. CO tabulation is not included in the Question paper	Noted for future compliance
Maintenance of course diary (A)	Excellent(5)		
Register showing Activity points (B)	Good(4)	Activity point for 2018 batch has not been uploaded	Noted

Conduct of laboratory classes with relevant details(A)	Fair(3)	Difficult to do experiments using virtual lab	
Online Faculty evaluation amp remarks of the HoD (A)	Excellent(5)		

### **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)	Excellent(5)	Notice, minutes and action taken for the class committee are submitted.	
Advisory meetings and action taken report (B)	Excellent(5)	Notice, minutes and action taken for the class committee are submitted.	
Result analysis of previous odd semester (A)	Poor(2)	22%	Arrangements have been made to conduct remedial classes and question paper workshops
Syllabus coverage as per course plan (A)	Good(4)	Some faculties are lagging the course plan by 4-6 hours	Issue rectified by conducting extra classes
Platform used for LMS/Course materials and lectures uploaded (A)	Excellent(5)		
Conduct of minor/honours classes (A)	Excellent(5)		
NPTEL/SWAYAM course materials recommended for reading (B)	Poor(2)	No documentation	Necessary instructions are given to conduct more such courses
Conduct of Internal assessments for theory and lab classes (A)	Good(4)	First internal assessment test and assignment are completed.Lab assessment is not completed	Noted for future compliance
The mechanisms for taking feedback as to whether the online classes are effective (B)	Excellent(5)	Feedback for online classes are collected using Google form	

Conduct of series tests (A)	Good(4)	Series tests are conducted from 3/10/2020. Some staff have not included CO tabulation in the question paper	
Maintenance of course diary (A)	Excellent(5)	All relevant documents are not included in the course diary	
Register showing Activity points (B)	Good(4)	Activity points for 2018 batch has not been uploaded	Noted
Conduct of laboratory classes with relevant details(A)	Good(4)	Some experiments are not available with virtual lab	
Online Faculty evaluation amp remarks of the HoD (A)	Excellent(5)		

#### **COMPUTER 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)	Notice, minutes and action taken for the class committee are submitted	
Advisory meetings and action taken report (B)	Excellent(5)	Notice of minutes and action taken for the class committee are submitted	
Result analysis of previous odd semester (A)	Poor(2)	34%	Arrangements have been made to conduct remedial classes and question paper workshops
Syllabus coverage as per course plan (A)	Good(4)	2-3 hours lagging for some subjects	Issue rectified by conducting extra classes
Platform used for LMS/Course materials and lectures uploaded (A)	Excellent(5)		
Conduct of minor/honours classes (A)	Excellent(5)		

NPTEL/SWAYAM course materials recommended for reading (B)	Excellent(5)		
Conduct of Internal assessments for theory and lab classes (A)	Good(4)	First internal assessment test and assignment are completed. Lab assessment not done	noted
The mechanisms for taking feedback as to whether the online classes are effective (B)	Excellent(5)	Feedback for online classes are collected using Google form	
Conduct of series tests (A)	Excellent(5)	Series tests are conducted from 3/10/2020. Question paper format is good and in compliance with COs	
Maintenance of course diary (A)	Excellent(5)	All relevant documents are included in the course diary	
Register showing Activity points (B)	Good(4)	Activity points for 2018 batch has not been uploaded	noted
Conduct of laboratory classes with relevant details(A)	Excellent(5)		
Online Faculty evaluation amp remarks of the HoD (A)	Excellent(5)		

#### **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)	Action taken report is not included in the report	Necessary instructions have given
Advisory meetings and action taken report (B)	Good(4)	Action taken report is not included in the report	Necessary instructions have given
Result analysis of previous odd semester (A)	Very Poor(1)	17%	Arrangements have been made to conduct remedial classes and question paper workshops



Syllabus coverage as per course plan (A)	Good(4)	Some faculties are lagging course plan by 6-8 hours	Issue rectified by conducting extra classes
Platform used for LMS/Course materials and lectures uploaded (A)	Excellent(5)		
Conduct of minor/honours classes (A)	Excellent(5)		
NPTEL/SWAYAM course materials recommended for reading (B)	Poor(2)	Students are instructed to do NPTEL/SWAYAM courses	Necessary instructions are given to conduct more such courses
Conduct of Internal assessments for theory and lab classes (A)	Good(4)	First internal assessment test and assignment are completed. Lab assessment is not completed	
The mechanisms for taking feedback as to whether the online classes are effective (B)	Excellent(5)	Feedback for online classes are collected using Google form	
Conduct of series tests (A)	Excellent(5)	Series tests are conducted from 3/10/2020. The question paper format is good and in compliance with COs	Noted for future compliance
Maintenance of course diary (A)	Excellent(5)	Course diary for one subject is not completed	
Register showing Activity points (B)	Fair(3)	Activity points for 2018 and 2019 batches are not uploaded.	Instructed
Conduct of laboratory classes with relevant details(A)	Fair(3)	Staffs reported difficulty in conducting virtual labs	noted
Online Faculty evaluation amp remarks of the HoD (A)	Excellent(5)		

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

<b>Key Aspects</b>	<b>Rating</b>	<b>Auditor Remarks</b>	<b>Principal's Response</b>
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Class/course committee meetings and action taken report (B)	Good(4)	Action taken is not included	Necessary instructions have given
Advisory meetings and action taken report (B)	Good(4)	Action taken is not included	Necessary instructions have given
Result analysis of previous odd semester (A)	Very Poor(1)	24%	Arrangements have been made to conduct remedial classes and question paper workshops
Syllabus coverage as per course plan (A)	Excellent(5)		
Platform used for LMS/Course materials and lectures uploaded (A)	Excellent(5)		
Conduct of minor/honours classes (A)	Not Relevant		
NPTEL/SWAYAM course materials recommended for reading (B)	Poor(2)	No documentation	Necessary instructions are given to conduct more such courses
Conduct of Internal assessments for theory and lab classes (A)	Excellent(5)		
The mechanisms for taking feedback as to whether the online classes are effective (B)	Excellent(5)		
Conduct of series tests (A)	Excellent(5)		
Maintenance of course diary (A)	Good(4)		
Register showing Activity points (B)	Not Relevant		
Conduct of laboratory classes with relevant details(A)	Poor(2)	Virtual lab is not possible	
Online Faculty evaluation amp remarks of the HoD (A)	Excellent(5)		

**COMPUTER SCIENCE AND ENGINEERING(COMPUTER SCIENCE AND 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)	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		

**CIVIL ENGINEERING(ENVIRONMENTAL 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 is not included	
Result analysis of previous odd semester (A)	Excellent(5)	93%	
Syllabus coverage as per course plan (A)	Good(4)	2-3 hours lagging for some subjects	Issue rectified by conducting extra classes
Platform used for LMS/Course materials and lectures uploaded (A)	Excellent(5)		

The mechanisms for taking feedback as to whether the online classes are effective (B)	Excellent(5)		
Maintenance of course diary (A)	Good(4)		
Conduct of Seminar Mini project (A)	Good(4)	Seminar schedule to be documented	Noted
Faculty with Ph.D for the program (A)	Good(4)	Requested for appointing more faculties with Ph.D	Noted
Students attending MOOC or other online courses (B)	Very Poor(1)		
Conduct of Thesis (A)	Good(4)	Abstract to be documented	Noted