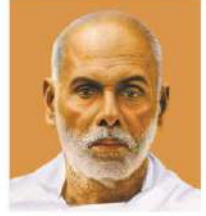




# **Sree Narayana Guru College of Engineering & Technology**

CHALAKKODE P.O., KOROM, PAYYANUR, KANNUR-670 307



## **ACADEMIC AUDIT REPORT**




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

**Academic Audit Report**  
**2022 - 2023**

**Basic Details**

Institution	SREE NARAYANA GURU COLLEGE OF ENGINEERING & TECHNOLOGY
First Auditor Name	Dr Namrutha U
Second Auditor Name	
Visit	First
Semester Type	Even

**College Specific Assessments**

Key Aspects	Rating	Auditor Remarks	Principal's Response
Compliance to the Academic Calendar of KTU (A)	Excellent(5)		
Functioning of students grievances and appeal committee (A)	Fair(3)		
Functioning of Academic Discipline Welfare committee (A)	Good(4)		
Average student to faculty ratio (A)	Fair(3)	Not sufficient	
Faculty Retention (A)	Fair(3)	Most of the faculty leave from the college due to less salary	
Faculty Qualification Index (A)	Fair(3)	Qualified faculties are less	
Number of qualified technical staff (A)	Fair(3)		

Facility of central library with respect to volume and title of books, online print journals (A)	Fair(3)	Online print journals are not sufficient	
Functioning of IQAC and Progress of IQAC report uploading (A)	Good(4)		
Institution Budget (A)	Fair(3)		
Details of central computing facility (A)	Fair(3)		
Principals response on previous audit reports (A)	Good(4)		

#### Student Interaction


Key Aspects	Rating	Auditor Remarks	Principal's Response
Syllabus coverage (B)	Fair(3)		
Lab Facility and conduct of Labs (B)	Fair(3)		
Co-curricular facility (B)	Fair(3)		
Extra-curricular facility (B)	Fair(3)		
Transferring all intimation from University in time (B)	Excellent(5)		
Approach of the management in addressing student grievance (B)	Fair(3)		
Availability of Faculty for all subjects (A)	Fair(3)		
Any other remarks (C)	Fair(3)	Requested more activities,lab facilities,work station for doing project	
Extra fees/fine imposed on students (B)	Excellent(5)	No	

**B.Tech**

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KANNUR

No of B.Tech Students	300
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# **ELECTRONICS & COMMUNICATION ENGG-(Full Time)**

Key Aspects	Rating	Auditor Remarks	Principal's Response
Placement Status	Fair(3)		
Class/course committee meetings and action taken report (B)	Fair(3)		
Advisory meetings and action taken report (B)	Fair(3)		
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)	Fair(3)		
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)	Fair(3)		




Facility for co-curricular and extracurricular activities (B)	Fair(3)		
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)		

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

Key Aspects	Rating	Auditor Remarks	Principal's Response
Placement Status	Fair(3)		
Class/course committee meetings and action taken report (B)	Fair(3)		
Advisory meetings and action taken report (B)	Fair(3)		
Syllabus coverage as per course plan (B)	Fair(3)		
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)	Fair(3)		
Conduct of remedial/minor/honours classes (B)	Fair(3)		
Maintenance of course diary (A)	Fair(3)		


Assessment of Outcomes (A)	Fair(3)		
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)	Fair(3)		
Facility for co-curricular and extracurricular activities (B)	Fair(3)		
Students attending MOOC or other online courses (B)	Poor(2)		
Maintenance of A1, A2 and A3 files.	Fair(3)		
Maintenance of B files.	Good(4)		
Maintenance of C and D files.	Good(4)		

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

Key Aspects	Rating	Auditor Remarks	Principal's Response
Placement Status	Fair(3)		
Class/course committee meetings and action taken report (B)	Fair(3)		
Advisory meetings and action taken report (B)	Fair(3)		
Syllabus coverage as per course plan (B)	Good(4)		
Conduct of Tutorial Classes (B)	Fair(3)		
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)	Fair(3)	Attainment wrong	
Assessment of Outcomes (A)	Fair(3)		
Faculty evaluation amp remarks of the HoD (A)	Good(4)		
Conduct of Seminar, Project and Thesis (A)	Fair(3)		
Computing facility in the department (A)	Fair(3)		
Facility for co-curricular and extracurricular activities (B)	Fair(3)		
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)		

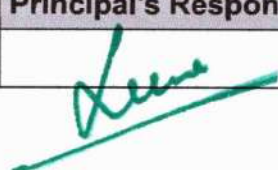
#### **ELECTRICAL AND ELECTRONICS ENGINEERING-(Full Time)**

Key Aspects	Rating	Auditor Remarks	Principal's Response
Placement Status	Fair(3)		
Class/course committee meetings and action taken report (B)	Fair(3)		
Advisory meetings and action taken report (B)	Fair(3)		
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)	Fair(3)		
Evaluation of students performance in practical classes (A):	Good(4)		
Facility to do experiments in the lab (A)	Fair(3)		
Conduct of remedial/minor/honours classes (B)	Fair(3)		
Maintenance of course diary (A)	Fair(3)	Need to improve	
Assessment of Outcomes (A)	Fair(3)		
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)	Fair(3)		
Facility for co-curricular and extracurricular activities (B)	Fair(3)		
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)		

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

Key Aspects	Rating	Auditor Remarks	Principal's Response
Placement Status	Fair(3)		



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)	Good(4)		
Conduct of Tutorial Classes (B)	Fair(3)		
Evaluation of Answer Scripts (A):	Fair(3)		
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)	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)	Fair(3)		
Students attending MOOC or other online courses (B)	Fair(3)		
Maintenance of A1, A2 and A3 files.	Good(4)		



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Maintenance of B files.	Good(4)		
Maintenance of C and D files.	Good(4)		

#### M.Tech

No of M.Tech Students	1
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#### CIVIL ENGINEERING(COMPUTER AIDED STRUCTURAL ENGINEERING)-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Placement Status	Fair(3)		
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)	Fair(3)		
Computing facility in the department (A)	Fair(3)		
Facility for co-curricular and extracurricular activities (B)	Fair(3)		
Students attending MOOC or other online courses (B)	Fair(3)		

  
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**India**

**Academic Audit Report**  
**2022 - 2023**

**Basic Details**

Institution	SREE NARAYANA GURU COLLEGE OF ENGINEERING & TECHNOLOGY
First Auditor Name	Dr Jayesh George M
Second Auditor Name	G Murugananth
Visit	First
Semester Type	Odd

**College Specific Assessments**

Key Aspects	Rating	Auditor Remarks	Principal's Response
Compliance to the Academic Calendar of KTU (A)	Good(4)	First and Third staurdays are working days for the college	
Functioning of students grievances and appeal committee (A)	Good(4)		
Functioning of Academic Discipline Welfare committee (A)	Good(4)		
Average student to faculty ratio (A)	Good(4)	$(20 \times 46) / 1008 = 0.9127$	
Faculty Retention (A)	Good(4)		

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Faculty Qualification Index (A)	Very Poor(1)	$(10*2)+(44*4)/51=3.84$ Suggested the faculty members to register for Ph.D	Three Faculty of the college have availed leave for pursuing their Ph D . On 3rd December 4 Faculty members of the college have been selected for pursuing Ph.D in parttime mode.
Number of qualified technical staff (A)	Fair(3)	12 technical staff for 5 departments and first year workshops.	Interview was held last week and 2 more technical staff will be recruited.
Facility of central library with respect to volume and title of books, online print journals (A)	Good(4)	Purchased Delnet recently	
Functioning of IQAC and Progress of IQAC report uploading (A)	Good(4)		
Institution Budget (A)	Good(4)		
Details of central computing facility (A)	Good(4)		
Principals response on previous audit reports (A)	Good(4)		

### Student Interaction



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KANNUR



Key Aspects	Rating	Auditor Remarks	Principal's Response
Syllabus coverage (B)	Good(4)	3 modules completed for S3 and S7.	
Lab Facility and conduct of Labs (B)	Good(4)		
Co-curricular facility (B)	Good(4)	Tech Fest is being conducted at the time of Visit by CSE Dept.	
Extra-curricular facility (B)	Good(4)		
Transferring all intimation from University in time (B)	Good(4)		
Approach of the management in addressing student grievance (B)	Good(4)		
Availability of Faculty for all subjects (A)	Good(4)		
Any other remarks (C)	Good(4)	Students need semester break after each semester Revaluation result should come in proper time Psychological Counselling facility required.	A counsellor has been appointed by the Management.
Extra fees/fine imposed on students (B)	Good(4)	No fines	


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

Key Aspects	Rating	Auditor Remarks	Principal's Response
Placement Status	Very Poor(1)	0/24=0	Necessary measures to bring companies for recruiting Mechanical Engineering graduates will be initiated. However several students have gone for higher studies and few are employed after completion of the course.

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)	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)	Good(4)		
Assessment of Outcomes (A)	Not Relevant	Not Done	Assessment of outcomes of the current semester will be completed on completion of the odd semester .
Faculty evaluation amp remarks of the HoD (A)	Good(4)		
Conduct of Seminar, Project and Thesis (A)	Very Poor(1)	Project Phase 1 interim evaluation not conducted.	Interim evaluation was scheduled for 25th Nov post the Academic audit and it is now completed.
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)	Very Poor(1)	MOOC files are not shown	Students will be motivated to enrol for MOOC courses.
Maintenance of A1, A2 and A3 files.	Fair(3)	Attainment related files are not shown	A1 and A2 files were completed . But only A2 files were verified. Since a new CMS has been installed the A3 files will be completed at the end of the semester.
Maintenance of B files.	Poor(2)	Most of the files are not available.	Most of the items mentioned in B files are complete. Other items mentioned will be completed by the end of the semester.
Maintenance of C and D files.	Good(4)	Some files are not available	

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


Key Aspects	Rating	Auditor Remarks	Principal's Response
Placement Status	Poor(2)	2/8=0.25	Most of the students are preparing for higher studies
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)	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)	Good(4)		
Assessment of Outcomes (A)	Not Relevant	Not Done	
Faculty evaluation amp remarks of the HoD (A)	Good(4)		
Conduct of Seminar, Project and Thesis (A)	Very Poor(1)	Interim Evaluation is not conducted.	Interim evaluation was scheduled for Nov last week post the Academic audit and it is now completed.
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)	Very Poor(1)	Mooc file is not shown	Students will be motivated to enrol for MOOC courses.
Maintenance of A1, A2 and A3 files.	Fair(3)	Attainment related files are not shown	A1 and A2 files were completed. But only A2 files was verified. Since a new CMS has been installed the A3 files will be completed at the end of the semester.
Maintenance of B files.	Poor(2)	Most of the files are not available.	Most of the items mentioned in B files are complete. Other items mentioned will be completed by the end of the semester.
Maintenance of C and D files.	Good(4)	Some files are not available	


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



Key Aspects	Rating	Auditor Remarks	Principal's Response
Placement Status	Poor(2)	8/37=0.21	Several students have gone for higher studies and few are employed after completion of the course.
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)	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)	Good(4)		
Assessment of Outcomes (A)	Not Relevant	Not Done	
Faculty evaluation and 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)		Students will be motivated to enrol for MOOC courses.
Maintenance of A1, A2 and A3 files.	Fair(3)	Attainment related files are not shown	Attainment related files will be completed at the end of the semester.
Maintenance of B files.	Poor(2)	Most of the files are not available.	Most of the items mentioned in B files are complete. Other items mentioned will be completed by the end of the semester.
Maintenance of C and D files.	Good(4)	Some files are not available	

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

Key Aspects	Rating	Auditor Remarks	Principal's Response
Placement Status	Very Poor(1)	2/48=0.04	13 students were recruited after completion of the course. Few have joined for higher studies.
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)	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)	Good(4)		
Assessment of Outcomes (A)	Not Relevant	Not Done	
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)		Students will be motivated to enrol for MOOC courses.
Maintenance of A1, A2 and A3 files.	Fair(3)	Attainment related files are not shown	A1 and A2 files were completed. But only A2 files were verified. Since a new CMS has been installed the A3 files will be completed at the end of the semester.
Maintenance of B files.	Poor(2)	Most of the files are not available.	Most of the items mentioned in B files are complete. Other items mentioned will be completed by the end of the semester.
Maintenance of C and D files.	Good(4)	Some files are not available	

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

Key Aspects	Rating	Auditor Remarks	Principal's Response
Placement Status	Very Poor(1)	0/2=0	Necessary measures to enhance placements will be initiated



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)	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)	Good(4)		
Assessment of Outcomes (A)	Not Relevant	Not Done	Assessment of outcomes of the current semester will be completed on completion of the odd semester
Faculty evaluation and 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)	Very Poor(1)	No Mooc attended students	Students will be motivated to enrol for MOOC courses.



Maintenance of A1, A2 and A3 files.	Fair(3)	Attainment related files are not shown	A1 and A2 files were completed. But only A2 files was verified. Since a new CMS has been installed the A3 files will be completed at the end of the semester.
Maintenance of B files.	Poor(2)	Most of the files are not available.	Most of the items mentioned in B files are complete. Other items mentioned will be completed by the end of the semester.
Maintenance of C and D files.	Good(4)	Some files are not available	

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

Key Aspects	Rating	Auditor Remarks	Principal's Response
Placement Status	Very Poor(1)	1/11=0.09	Students are employed after completion of the course. 2 students are entrepreneurs
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)		

  
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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)		Students will be motivated to enrol for MOOC courses.



Dr. LEENA A. V.  
PRINCIPAL  
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**CET Campus, Thiruvananthapuram**  
**Kerala -695016**  
**India**

**Academic Audit Report**  
**2021 - 2022**

**Basic Details**

Institution	<b>SREE NARAYANA GURU COLLEGE OF ENGINEERING &amp; TECHNOLOGY</b>
First Auditor Name	<b>Dr Jayesh George M</b>
Second Auditor Name	<b>G Murugananth</b>
Visit	<b>First</b>
Semester Type	<b>Even</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 (A)	Good(4)	One week shift in first Internal exam. All other activities are aligned with KTU Calander.	
Functioning of students grievances and appeal committee (A)	Fair(3)	No complaints received yet. Suggested to make provisions for students to submit the grievances.	No major complaints were received from the students. Provision is provided in the college CMS for registration of complaints. Few grievances that were raised by the students during the class committee meetings were addressed and resolved. The same is logged in the meeting minutes of class committee and action taken report is maintained.

*Leena*  
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**PRINCIPAL**

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ENGINEERING & TECHNOLOGY, PAYANUR  
KANNUR**



Functioning of Academic Discipline Welfare committee (A)	Fair(3)	No complaints are registered in this academic year, as on the date of audit.	Two cases of Mal practices were reported in the current semester . The mal practice is registered in the KTU portal and Enquiry report is being sought from the DAC.
Average student to faculty ratio (A)	Fair(3)	$(20 \times 41) / 1008 = 0.813$ Actual strength is 394	Few faculty were relieved as they got into other jobs. New recruitments shall be done in existing vacancies.
Faculty Retention (A)	Fair(3)	Same staff strength for last one year.	New recruitments shall be done to improve SFR.
Faculty Qualification Index (A)	Very Poor(1)	$(10 \times 1 + 4 \times 40) / 51 = 3.33$ Suggested the faculty members to register for Ph.D	Faculty members shall be encouraged to pursue PhD
Number of qualified technical staff (A)	Fair(3)	10 technical staff for 5 departments and for first year workshops.	Advertisement is published to appoint Technical Faculty in various departments.
Facility of central library with respect to volume and title of books, online print journals (A)	Good(4)	Lack of standard journal subscription. Suggested to subscribe online resources viz. Delnet, etc.	
Functioning of IQAC and Progress of IQAC report uploading (A)	Fair(3)	Only 2 meetings per year is conducted. QAR is not prepared. Quorum is not met for some meeting	Only two meetings were held due to restrictions during the Covid pandemic. In the current semester more meetings shall be held . Quorum was not met during the meeting held during Covid restrictions.QAR will be prepared.
Institution Budget (A)	Fair(3)	No utilization details available. Department wise budget is not prepared	As the institution is a self financing institution the budgetary control is under the Management. Request is being forwarded to the Management for allocating funds for Department utilisation.

Details of central computing facility (A)	Excellent(5)		
Principals response on previous audit reports (A)	Excellent(5)		

#### **Student Interaction**

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

#### **B.Tech**

No of B.Tech Students	377
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#### **MECHANICAL ENGINEERING-(Full Time)**

Key Aspects	Rating	Auditor Remarks	Principal's Response
Class/course committee meetings and action taken report (B)	Good(4)	Course / class committee meetings are properly conducted. Action taken have been witnessed in few cases	

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Advisory meetings and action taken report (B)	Good(4)		
Syllabus coverage as per course plan (B)	Excellent(5)		
Conduct of Tutorial Classes (B)	Excellent(5)		
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)	Good(4)		
Assessment of Outcomes (A)	Fair(3)	Result Analysis available. Outcome not assessed.	Assessment of outcomes is being done from the current semester.
Faculty evaluation amp remarks of the HoD (A)	Excellent(5)		
Conduct of Seminar, Mini project, Project amp Thesis (A)	Fair(3)	Semester 8 Project evaluation is not performed well. Internal mark uploaded in KTU portal and mark from the reviews are different. Suggested to display the rubrics for every reviews, which will make the system to be more transparent.	Rubrics was available for a review. It shall be displayed for all reviews. The repeat review conducted for the absentees was not properly documented , hence the disparity. Such mistakes shall be avoided in the future.
Computing facility in the department (A)	Excellent(5)		
Facility for co-curricular and extracurricular activities (B)	Excellent(5)		

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Students attending MOOC or other online courses (B)	Poor(2)	Needs more students to be encouraged for enrolling and completion.	Few students are attending MOOC courses. More students shall be encouraged for enrolling the same.
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#### **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)	Good(4)	Course / class committee meetings are properly conducted. Action taken have been witnessed in few cases	
Advisory meetings and action taken report (B)	Good(4)		
Syllabus coverage as per course plan (B)	Excellent(5)		
Conduct of Tutorial Classes (B)	Excellent(5)		
Evaluation of Answer Scripts (A):	Excellent(5)		
Conduct of practical courses (B)	Fair(3)	Only 4 out of 9 compulsory experiments conducted in Sem 5 lab(ECL333)	9 Experiments were conducted in total. One experiment was done using DSP kit that is available in the lab. All other experiments were done using Matlab/Python software . Procurement of new DSP kits is under process.
Evaluation of students performance in practical classes (A):	Excellent(5)		
Facility to do experiments in the lab (A)	Good(4)	Hardware required to conduct Sem 5 lab	
Conduct of remedial/minor/honours classes (B)	Excellent(5)		

  
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Maintenance of course diary (A)	Good(4)		
Assessment of Outcomes (A)	Fair(3)	Result Analysis available. Outcome not assessed.	Assessment of outcomes is being done from the current semester.
Faculty evaluation amp remarks of the HoD (A)	Excellent(5)		
Conduct of Seminar, Mini project, Project amp Thesis (A)	Excellent(5)		
Computing facility in the department (A)	Excellent(5)		
Facility for co-curricular and extracurricular activities (B)	Excellent(5)		
Students attending MOOC or other online courses (B)	Poor(2)	Needs more students to be encouraged for enrolling and completion	Few students are attending MOOC courses. More students shall be encouraged for enrolling the same.

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

Key Aspects	Rating	Auditor Remarks	Principal's Response
Class/course committee meetings and action taken report (B)	Good(4)	Course / class committee meetings are properly conducted. Action taken have been witnessed in few cases	
Advisory meetings and action taken report (B)	Excellent(5)		
Syllabus coverage as per course plan (B)	Excellent(5)		
Conduct of Tutorial Classes (B)	Excellent(5)		
Evaluation of Answer Scripts (A):	Excellent(5)		
Conduct of practical courses (B)	Excellent(5)		



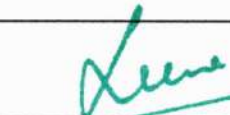
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Evaluation of students performance in practical classes (A):	Excellent(5)		
Facility to do experiments in the lab (A)	Excellent(5)		
Conduct of remedial/minor/honours classes (B)	Excellent(5)		
Maintenance of course diary (A)	Good(4)		
Assessment of Outcomes (A)	Fair(3)	Result Analysis available. Outcome not assessed.	Assessment of outcomes is being done from the previous semester.
Faculty evaluation amp remarks of the HoD (A)	Excellent(5)		
Conduct of Seminar, Mini project, Project amp Thesis (A)	Excellent(5)		
Computing facility in the department (A)	Excellent(5)		
Facility for co-curricular and extracurricular activities (B)	Excellent(5)		
Students attending MOOC or other online courses (B)	Fair(3)	Needs more students to be encouraged for enrolling and completion.	Few students are attending MOOC courses. More students shall be encouraged for enrolling the same.

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

Key Aspects	Rating	Auditor Remarks	Principal's Response
Class/course committee meetings and action taken report (B)	Good(4)	Course / class committee meetings are properly conducted. Action taken have been witnessed in few cases	
Advisory meetings and action taken report (B)	Good(4)	Suggested to elaborate the meeting minutes.	
Syllabus coverage as per course plan (B)	Excellent(5)		



Conduct of Tutorial Classes (B)	Excellent(5)		
Evaluation of Answer Scripts (A):	Excellent(5)		
Conduct of practical courses (B)	Excellent(5)		
Evaluation of students performance in practical classes (A):	Good(4)	Daily lab score is not based on rubrics	
Facility to do experiments in the lab (A)	Excellent(5)		
Conduct of remedial/minor/honours classes (B)	Excellent(5)		
Maintenance of course diary (A)	Good(4)		
Assessment of Outcomes (A)	Fair(3)	Result Analysis available. Outcome not assessed.	Assessment of outcomes is being done from the current semester.
Faculty evaluation amp remarks of the HoD (A)	Excellent(5)		
Conduct of Seminar, Mini project, Project amp Thesis (A)	Excellent(5)		
Computing facility in the department (A)	Excellent(5)		
Facility for co-curricular and extracurricular activities (B)	Excellent(5)		
Students attending MOOC or other online courses (B)	Poor(2)	Needs more students to be encouraged for enrolling and completion.	Few students are attending MOOC courses. More students shall be encouraged for enrolling the same.

#### **ELECTRICAL AND ELECTRONICS ENGINEERING-(Full 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)	Course / class committee meetings are properly conducted. Action taken have been witnessed in few cases	
Advisory meetings and action taken report (B)	Good(4)		
Syllabus coverage as per course plan (B)	Excellent(5)		
Conduct of Tutorial Classes (B)	Excellent(5)		
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)	Good(4)		
Assessment of Outcomes (A)	Fair(3)	Result Analysis available. Outcome not assessed.	Assessment of outcomes is being done from the current semester.
Faculty evaluation amp remarks of the HoD (A)	Excellent(5)		
Conduct of Seminar, Mini project, Project amp Thesis (A)	Excellent(5)		
Computing facility in the department (A)	Excellent(5)		
Facility for co-curricular and extracurricular activities (B)	Excellent(5)		

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Students attending MOOC or other online courses (B)	Poor(2)	Needs more students to be encouraged for enrolling and completion.	Few students are attending MOOC courses. More students shall be encouraged for enrolling the same.
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#### M.Tech

No of M.Tech Students	17
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#### CIVIL ENGINEERING(COMPUTER AIDED STRUCTURAL ENGINEERING)-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Class/course committee meetings and action taken report (B)	Good(4)	Course / class committee meetings are properly conducted. Action taken have been witnessed in few cases	
Syllabus coverage as per course plan (B)	Excellent(5)		
Evaluation of Answer Scripts (A):	Excellent(5)		
Maintenance of course diary (A)	Excellent(5)		
Faculty evaluation amp remarks of the HoD (A)	Excellent(5)		
Facility in the department library for references (C)	Good(4)	Resources and Utilization should be strengthened	
Conduct of Seminar, Mini project, Project amp Thesis (A)	Excellent(5)		
Faculty with Ph.D for the program (A)	Excellent(5)	1 PhD available in department(except principal)	
Computing facility in the department (A)	Good(4)		
Facility for co-curricular and extracurricular activities (B)	Excellent(5)		



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Students attending MOOC or other online courses (B)	Poor(2)	Suggested to motivate students to attend MOOC courses.	Few students are attending MOOC courses. More students shall be encouraged for enrolling the same.
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**APJ Abdul Kalam Technological University**  
**CET Campus, Thiruvananthapuram**  
**Kerala -695016**  
**India**

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

**Basic Details**

Institution	<b>SREE NARAYANA GURU COLLEGE OF ENGINEERING &amp; TECHNOLOGY</b>
First Auditor Name	<b>MARY SONIA GEORGE B</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)		
Functioning of students grievances and appeal committee (B)	Good(4)		
Average student to faculty ratio (A)	Good(4)		
Faculty Qualification Index (A)	Very Poor(1)		Two faculties are registered for PhD. One already submitted the thesis. Other faculty also getting completed.
Number of qualified technical staff (A)	Good(4)		

  
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Facility of central library with respect to volume, title of books, online print journals (A)	Excellent(5)		
Functioning of IQAC and Progress of IQAC report uploading (A)	Good(4)		

#### Student Interaction

Key Aspects	Rating	Auditor Remarks	Principal's Response
Syllabus coverage (B)	Good(4)		
Effectiveness of teaching/learning process	Good(4)		
Conduct of Labs (B)	Good(4)		
Continuous assessment (B)	Good(4)		
Interaction/discussion/doubt clearing etc (A)	Good(4)		
Net connectivity issue	Good(4)	No issues of net connectivity reported	No issues
Extra fees/fine imposed on students (B)	Not Relevant	No extra fees has been levied	Not collected
Approach of the management/institution in addressing student grievances (B)	Good(4)		
Availability of Faculty for all subjects (A)	Excellent(5)		
Any other remarks (C)	Not Relevant		

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

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

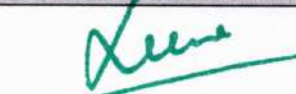
  
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Advisory meetings and action taken report (B)	Good(4)		
Result analysis of previous odd semester (A)	Poor(2)	33% including revaluation results	we are conducting special and revision classes for weak students
Syllabus coverage as per course plan (A)	Good(4)		
Platform used for LMS/Course materials and lectures uploaded (A)	Excellent(5)		
Conduct of minor/honours classes (A)	Not Relevant	No minor courses are conducted by Electrical Department	
NPTEL/SWAYAM course materials recommended for reading (B)	Excellent(5)		
Conduct of Internal assessments for theory and lab classes (A)	Good(4)		
The mechanisms for taking feedback as to whether the online classes are effective (B)	Excellent(5)		
Conduct of series tests (A)	Good(4)		
Maintenance of course diary (A)	Excellent(5)		
Register showing Activity points (B)	Excellent(5)		
Conduct of laboratory classes with relevant details(A)	Good(4)	50% completed	Lab will be completed during contact classes
Online Faculty evaluation amp remarks of the HoD (A)	Excellent(5)		

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

Key Aspects	Rating	Auditor Remarks	Principal's Response
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Class/course committee meetings and action taken report (B)	Good(4)		
Advisory meetings and action taken report (B)	Good(4)		
Result analysis of previous odd semester (A)	Fair(3)	45% including revaluation results	conducting special and revision classes for students
Syllabus coverage as per course plan (A)	Good(4)		
Platform used for LMS/Course materials and lectures uploaded (A)	Excellent(5)		
Conduct of minor/honours classes (A)	Not Relevant	No minor courses are conducted by Mechanical Department	
NPTEL/SWAYAM course materials recommended for reading (B)	Excellent(5)		
Conduct of Internal assessments for theory and lab classes (A)	Good(4)		
The mechanisms for taking feedback as to whether the online classes are effective (B)	Excellent(5)		
Conduct of series tests (A)	Good(4)		
Maintenance of course diary (A)	Excellent(5)		
Register showing Activity points (B)	Excellent(5)		
Conduct of laboratory classes with relevant details(A)	Good(4)	40%	Lab will be completed during contact classes
Online Faculty evaluation amp remarks of the HoD (A)	Excellent(5)		

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

  
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Key Aspects	Rating	Auditor Remarks	Principal's Response
Class/course committee meetings and action taken report (B)	Good(4)		
Advisory meetings and action taken report (B)	Good(4)		
Result analysis of previous odd semester (A)	Fair(3)	57% including revaluation	will further improve
Syllabus coverage as per course plan (A)	Good(4)		
Platform used for LMS/Course materials and lectures uploaded (A)	Excellent(5)		
Conduct of minor/honours classes (A)	Good(4)		
NPTEL/SWAYAM course materials recommended for reading (B)	Excellent(5)		
Conduct of Internal assessments for theory and lab classes (A)	Good(4)		
The mechanisms for taking feedback as to whether the online classes are effective (B)	Excellent(5)		
Conduct of series tests (A)	Good(4)		
Maintenance of course diary (A)	Excellent(5)		
Register showing Activity points (B)	Excellent(5)		
Conduct of laboratory classes with relevant details(A)	Good(4)	45%	Lab will be completed during contact classes
Online Faculty evaluation amp remarks of the HoD (A)	Excellent(5)		

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

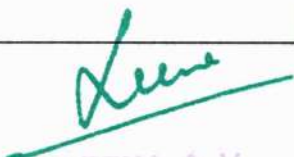
  
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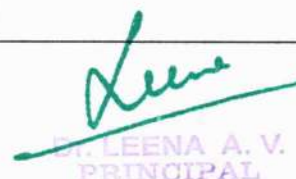


Key Aspects	Rating	Auditor Remarks	Principal's Response
Class/course committee meetings and action taken report (B)	Good(4)		
Advisory meetings and action taken report (B)	Good(4)		
Result analysis of previous odd semester (A)	Fair(3)	58% including revaluation results	further we will improve
Syllabus coverage as per course plan (A)	Good(4)		
Platform used for LMS/Course materials and lectures uploaded (A)	Excellent(5)		
Conduct of minor/honours classes (A)	Good(4)		
NPTEL/SWAYAM course materials recommended for reading (B)	Excellent(5)		
Conduct of Internal assessments for theory and lab classes (A)	Good(4)		
The mechanisms for taking feedback as to whether the online classes are effective (B)	Excellent(5)		
Conduct of series tests (A)	Good(4)		
Maintenance of course diary (A)	Excellent(5)		
Register showing Activity points (B)	Excellent(5)		
Conduct of laboratory classes with relevant details(A)	Good(4)	50%	will be completed during contact classes
Online Faculty evaluation amp remarks of the HoD (A)	Excellent(5)		

**CIVIL ENGINEERING-(Full Time)**

  
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Key Aspects	Rating	Auditor Remarks	Principal's Response
Class/course committee meetings and action taken report (B)	Good(4)		
Advisory meetings and action taken report (B)	Good(4)		
Result analysis of previous odd semester (A)	Fair(3)	50% including revaluation results	further improve
Syllabus coverage as per course plan (A)	Good(4)		
Platform used for LMS/Course materials and lectures uploaded (A)	Excellent(5)		
Conduct of minor/honours classes (A)	Not Relevant	No minor courses are conducted by Civil Engineering Department	
NPTEL/SWAYAM course materials recommended for reading (B)	Excellent(5)		
Conduct of Internal assessments for theory and lab classes (A)	Good(4)		
The mechanisms for taking feedback as to whether the online classes are effective (B)	Excellent(5)		
Conduct of series tests (A)	Good(4)		
Maintenance of course diary (A)	Excellent(5)		
Register showing Activity points (B)	Excellent(5)		
Conduct of laboratory classes with relevant details(A)	Good(4)	45%	will be completed during contact classes
Online Faculty evaluation amp remarks of the HoD (A)	Excellent(5)		

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

Key Aspects	Rating	Auditor Remarks	Principal's Response
Class/course committee meetings and action taken report (B)	Good(4)		
Result analysis of previous odd semester (A)	Good(4)	64%	
Syllabus coverage as per course plan (A)	Good(4)		
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)	Excellent(5)		
Conduct of Seminar Mini project (A)	Good(4)		
Faculty with Ph.D for the program (A)	Excellent(5)		
Students attending MOOC or other online courses (B)	Excellent(5)		
Conduct of Thesis (A)	Good(4)		

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

**Academic Audit Report**  
**2019 - 2020**

**Basic Details**

Institution	SREE NARAYANA GURU COLLEGE OF ENGINEERING & TECHNOLOGY
First Auditor Name	Dr Biju Mathew
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	Good(4)	Working days :61 as on date	Typographical error in number of BTech and MTech students. This has been reported to the auditor. BTech-455 Nos , MTech-14 Nos.
Functioning of students grievances and appeal committee	Good(4)		
Functioning of Academic Discipline & Welfare committee	Good(4)		
Facility for co- curricular and extracurricular activities	Good(4)		

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Average student to faculty ratio	Fair(3)	0.97 (20x52/1068)	Two faculties Mr Rameez , KTU-F10503 and Mr Brijesh, KTU-10509 from the college due to their appointment in Govt. Engg college recently. Substitute faculty is being appointed.
Faculty Retention	Good(4)		
Faculty Qualification Index	Very Poor(1)		Presently we are having 4 PhDs in our faculty strength. Two more faculty is expected to complete PhD in the next semester. All other faculties are with MTech and Post graduate degree in Science and Mathematics.
Number of qualified technical staff	Fair(3)	11	Two technical staff Mr Ajith Karipath, KTU-24042 and Ms Reshma, KTU-12235 resigned from the college during this semester. Action is taken to appoint New Technical staff.
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	Good(4)		
Principal's response on previous audit reports	Good(4)		

### Student Interaction

  
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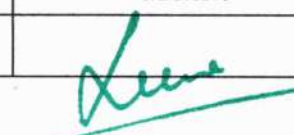
Key Aspects	Rating	Auditor Remarks	Principal's Response
Syllabus coverage	Good(4)		
Lab Facility and conduct of Labs	Good(4)		
Co-curricular facility	Good(4)		
Extra-curricular facility	Good(4)		
All intimation from University conveyed properly in time	Good(4)		
Extra fees/fine imposed on students	Not Relevant	Nil	
Approach of the management in addressing student grievances	Good(4)		
Availability of Faculty for all subjects	Good(4)		
Any other remarks	Not Relevant	Delayed Revaluation .	

#### B.Tech

No of B.Tech Students	473
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#### 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	Fair(3)		Tutorial classes were conducted and the records were presented the external auditor.
Conduct of series tests	Good(4)		

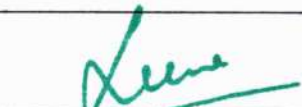
  
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ENGINEERING & TECHNOLOGY, PAYANUR  
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Syllabus coverage of practical course	Good(4)		
Evaluation of students performance in practical classes	Good(4)		
Conduct of Practical test	Good(4)	exam scheduled	
Facility to do experiments in the lab	Good(4)		
Conduct of remedial/minor/honours classes	Good(4)		
Assessment of Outcomes	Poor(2)	process to be started	College is planning to apply for NBA accreditation and the process has already started. Also the process for calculation of outcome is being done for the current semester and this will be presented in the next audit.
Faculty evaluation & remarks of the HOD	Good(4)		
Facility in the department library for references	Poor(2)		Department Library is organized to the requirements and reference books also kept. We are also having a very good central library.
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)	Scheduled	
Facility to do experiments in the lab	Good(4)		
Conduct of remedial/minor/honours classes	Good(4)		
Assessment of Outcomes	Poor(2)	not yet started	College is planning to apply for NBA accreditation and the process has already started. Also the process for calculation of outcome is being done for the current semester and this will be presented in the next audit.
Faculty evaluation & remarks of the HOD	Good(4)		
Facility in the department library for references	Poor(2)		Department Library is organized to the requirments and reference books also kept. We are also having a very good central library.
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
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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	Excellent(5)		
Assessment of Outcomes	Poor(2)		College is planning to apply for NBA accreditation and the process has already started. Also the process for calculation of outcome is being done for the current semester and this will be presented in the next audit.
Faculty evaluation & remarks of the HOD	Fair(3)		Faculty feedback is taken from the students in AICTE format on line and accordingly action/advice is given to faculty to improve.
Facility in the department library for references	Poor(2)	sparingly used by the student	Department Library is organized to the requirments and reference books also kept. We are also having a very good central library.

  
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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)		
Assessment of Outcomes	Poor(2)	not started	College is planning to apply for NBA accreditation and the process has already started. Also the process for calculation of outcome is being done for the current semester and this will be presented in the next audit.
Faculty evaluation & remarks of the HOD	Good(4)		

  
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Facility in the department library for references	Fair(3)		Department Library is organized to the requirements and reference books also kept. We are also having a very good central library.
Maintenance of course diary	Good(4)		
Syllabus coverage as per course plan	Good(4)		

#### **COMPUTER SCIENCE & 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)	scheduled	
Facility to do experiments in the lab	Good(4)		
Conduct of remedial/minor/honours classes	Fair(3)		Remedial classes were conducted and the records were shown to the external auditor.

  
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Assessment of Outcomes	Poor(2)	Process to be started	College is planning to apply for NBA accreditation and the process has already started. Also the process for calculation of outcome is being done for the current semester and this will be presented in the next audit.
Faculty evaluation & remarks of the HOD	Good(4)		
Facility in the department library for references	Poor(2)		Department Library is organized to the requirements and reference books also kept. We are also having a very good central library.
Maintenance of course diary	Good(4)		
Syllabus coverage as per course plan	Good(4)		

#### M.Tech

No of M.Tech Students	15
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#### CIVIL ENGINEERING(COMPUTER AIDED 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	Good(4)		
Faculty with Ph.D for the program	Good(4)	1	



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Students attending MOOC or other online courses	Not Relevant		
Facility in the department library for journal reference	Very Poor(1)		All mandatory Journals as per AICTE specification is procured by the college. JGate E journal is available in the department/college networks.
Computing facility in the department	Poor(2)		Civil engineering department is provided with separate computing facility with all analysis software.
Facility available in the department to do thesis work(all relevant licensed software)	Good(4)		

#### **MECHANICAL ENGINEERING(THERMAL AND FLUIDS ENGINEERING)-(Full Time)**

<b>Key Aspects</b>	<b>Rating</b>	<b>Auditor Remarks</b>	<b>Principal's Response</b>
Maintenance of course diary	Not Relevant	No students admitted in 2019 and 2018	
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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**APJ Abdul Kalam Technological University**  
**CET Campus, Thiruvananthapuram**  
**Kerala -695016**  
**India**

**Academic Audit Report**  
**2018 - 2019**

**Basic Details**

Institution	SREE NARAYANA GURU COLLEGE OF ENGINEERING & TECHNOLOGY
First Auditor Name	Praveen Kumar K
Second Auditor Name	
Visit	First
Semester Type	Odd

**General Assessment**

Auditor's Comment	Principal's Response
	External audit was conducted on 23rd November. Auditor was fully satisfied with the faculty, file management, infrastructure, students feedback etc. He has also made some suggestions to improve the quality of academic activities.

**College Specific Assessments**

Key Aspects	Rating	Auditor Remarks	Principal's Response
Compliance to the Academic Calendar of KTU	Good(4)	Series Test is delayed by one week than the Calendar.. All the rest are complied.	
Functioning of students grievances and appeal committee	Good(4)	One meeting was conducted.. No grievances received in this semester.	
Functioning of Academic Discipline & Welfare committee	Fair(3)	One meeting was conducted. No disciplinary issues were found reported	There was no disciplinary issues either students or staff/faculty.



Student feedback on co-curricular and extracurricular activities	Good(4)	No much activities are found conducted. But have planned for next semester.	
Average student to faculty ratio index	Good(4)	Ratio better than 1 : 20.	
Progress of Monthly report uploading	Good(4)	good	
Principal's response ON previous audit reports	Good(4)	good	

### B.Tech

No of B.Tech Students	519
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### MECHANICAL ENGINEERING-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Functioning of class/course committees	Fair(3)	Matters related to the class in general need to be included.	Two meetings were conducted. In these mainly academic matters are discussed. All other things are considered in students welfare committee. Class/course committee meeting minutes are uploaded in the monthly reports.
Schedule of Time Table	Good(4)	Proper	
Attendance of students	Good(4)	Regular	
Quantity & Quality of Assignments/Mini Projects	Fair(3)	Class assignments also need to be given.	We are giving quality assignments with numerical problems depending upon the course.
Conduct of Tutorial Classes	Fair(3)	Separate tutorial hours are not engaged. Tutorial is done with theory hours.	Tutorial classes are conducted with separate time table
Syllabus coverage as per course plan	Good(4)	Good	

  
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Use of ICT enabled teaching & Digital courses	Poor(2)	More video lectures shall be included	We are showing and discussing video lectures in the ICT enabled class room.
Conduct of Practical classes	Fair(3)	Infra structure for experiments are to be still to be installed	All equipments are available and experiments are conducted as per syllabus. Earlier audit reports may be referred.
Syllabus coverage of practical courses	Good(4)	Good	
Evaluation of students performance in practical classes	Good(4)	Good	
Conduct of remedial/bridge classes	Fair(3)	Attendance in remedial class is low	The evaluation after the remedial class will be implemented from next semester.
Maintenance of course diary	Good(4)		
Faculty evaluation by students	Fair(3)	More criteria should be included	This suggestion of the auditor also will be implemented.
Student feedback on curriculum coverage	Good(4)	Good	
Student feedback on infrastructural facilities	Fair(3)	Yet to be improved. LAB, BUS, CANTEEN	We have all lab facilities and workshops. This has been reported earlier also. We also have good transport facility with 10 numbers of buses and 9 in service with one spare. We have a god canteen run on contract.
Performance of students in the previous semester	Very Poor(1)	less than 20%	We have implemented many noval methods to improve the results.



Conduct of seminar classes	Fair(3)	Topics are to be state of the art	The seminar topics are selected from journals/recent technological developments. This is reviewed by a committee chaired by HOD.
Quality & Progress of projects	Fair(3)	Innovation is lacking.	The projects are selected from journals as an extension of technological developments. This is reviewed by a committee chaired by HOD.

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

Key Aspects	Rating	Auditor Remarks	Principal's Response
Functioning of class/course committees	Fair(3)	One meeting was conducted. Should discuss matters related to class room, infrastructure, Lab work completion, discipline issues etc pertaining to the class also. Shall forward the same to higher committees if required.	Two meetings were conducted. In these mainly academic matters are discussed. All other things are considered in students welfare committee. Class/course committee meeting minutes are uploaded in the monthly reports. The disciplinary matters are discussed in disciplinary committee.
Schedule of Time Table	Good(4)	Proper	
Attendance of students	Good(4)	Regular	
Quantity & Quality of Assignments/Mini Projects	Fair(3)	More numerical problems need to be given as assignments.	Numerical problems are being given depending upon the course.
Conduct of Tutorial Classes	Fair(3)	Tutorial classes are not conducted separately. Separate book need to be maintained.	Tutorial classes are conducted with separate time table.
Syllabus coverage as per course plan	Good(4)	Proper	



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Use of ICT enabled teaching & Digital courses	Fair(3)	Seminar hall is equipped with projector and screen. But more videos shall be included in the lecture	We are showing and discussing video lectures in the ICT enabled class room.
Conduct of Practical classes	Good(4)	Proper	
Syllabus coverage of practical courses	Good(4)	Proper	
Evaluation of students performance in practical classes	Good(4)	Proper	
Conduct of remedial/bridge classes	Fair(3)	Remedial classes are conducted. But the evaluations not conducted.	The evaluation of after the remedial class will be implemented.
Maintenance of course diary	Good(4)	Proper	
Faculty evaluation by students	Fair(3)	Only 8 criteria are considered,. But as per AICTE Appraisal form still more criteria to be considered. Index value should be communicated to faculty and threshold value should be incremented.	This suggestion of the auditor also will be implemented.
Student feedback on curriculum coverage	Good(4)	Good	
Student feedback on infrastructural facilities	Fair(3)	Students are not satisfied	The feedback value from students are above 6 out of 10.
Performance of students in the previous semester	Poor(2)	Only near to 30%	We are taking various steps to improve the results.
Conduct of seminar classes	Fair(3)	Topics need to be state of art	Topics for seminar is selected by the students and reviewed/approved by the faculty based on recent trends in technology.

Quality & Progress of projects	Fair(3)	Innovation part is very less. Literature review should be a comparison of the methods. Not explanation of the methods.	The literature reviews are presented based on comparison but in the draft report it was not included. Included in the final report
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#### **COMPUTER SCIENCE & ENGINEERING-(Full Time)**

Key Aspects	Rating	Auditor Remarks	Principal's Response
Functioning of class/course committees	Fair(3)	One meeting was conducted. Should discuss matters related to class room, infrastructure, Lab work completion, discipline issues etc pertaining to the class also. Shall forward the same to higher committees if required.	Two meetings were conducted. In these mainly academic matters are discussed. All other things are considered in students welfare committee. Class/course committee meeting minutes are uploaded in the monthly reports.
Schedule of Time Table	Good(4)	Proper	
Attendance of students	Good(4)	Student are regular	
Quantity & Quality of Assignments/Mini Projects	Fair(3)	Abstract and Reports should be read by the guide/ coordinator thoroughly.	We are giving quality assignments with numerical problems depending upon the course.
Conduct of Tutorial Classes	Fair(3)	No separate books used for tutorial. But engaged as regular theory hours	Tutorial classes are conducted with separate time table.
Syllabus coverage as per course plan	Good(4)	Proper	
Use of ICT enabled teaching & Digital courses	Good(4)	Each department has one seminar hall equipped with LCD Projector Screen etc. Recommended to add more online/videos in the lecture.	We are showing and discussing video lectures in the ICT enabled class room.
Conduct of Practical classes	Good(4)	Proper	
Syllabus coverage of practical courses	Good(4)	Good	



Evaluation of students performance in practical classes	Good(4)	Proper	
Conduct of remedial/bridge classes	Fair(3)	Remedial courses are conducted. But the attendance of weak students is not good. Recommended to find the progress due to remedial classes through some evaluations	The evaluation after the remedial class will be implemented.
Maintenance of course diary	Fair(3)	Mapping of CO to POs are not proper.	
Faculty evaluation by students	Fair(3)	Made online. But only 8 factors of AICTE Appraisal Form considered. Advised to consider all the 12 factors. The index should be communicated to the faculty Some threshold for counselling is fixed as 2.5, which may be increased to at least 5.	This suggestion of the auditor also will be implemented before the next audit.
Student feedback on curriculum coverage	Good(4)	Good	
Student feedback on infrastructural facilities	Fair(3)	Students have concern about transport facility and canteen. Index value is comparatively low	We have good transport facility with 10 numbers of buses and 9 in service with one spare. We have a god canteen run on contract.
Performance of students in the previous semester	Poor(2)	Result is only 30% pass.	We have implemented many noval methods to improve the results.
Conduct of seminar classes	Fair(3)	Abstract and Report should be thoroughly read.	We will implement the suggestion of auditor
Quality & Progress of projects	Fair(3)	Innovation part is very less. Abstract and Report should be thoroughly read. Minimum three evaluations should be conducted.	will improve the innovation part. Other suggestion also will be implemented.



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**CIVIL ENGINEERING-(Full Time)**

Key Aspects	Rating	Auditor Remarks	Principal's Response
Functioning of class/course committees	Fair(3)	Matters related to the class in general need to be included.	Two meetings were conducted. In these mainly academic matters are discussed. All other things are considered in students welfare committee.
Schedule of Time Table	Good(4)	Proper	
Attendance of students	Good(4)	Good	
Quantity & Quality of Assignments/Mini Projects	Fair(3)	Shall give numerical problems as class assignments	We are giving quality assignments with numerical problems depending upon the course.
Conduct of Tutorial Classes	Fair(3)	Separate tutorial hours are not engaged. Tutorial is done with theory hours.	Tutorial classes are conducted with separate time table.
Syllabus coverage as per course plan	Good(4)	Good	
Use of ICT enabled teaching & Digital courses	Fair(3)	Seminar hall is equipped with projector and screen. But more videos shall be included in the lecture	We are showing and discussing video lectures in the ICT enabled class room.
Conduct of Practical classes	Good(4)	Good	
Syllabus coverage of practical courses	Good(4)	Good	
Evaluation of students performance in practical classes	Good(4)	Proper	
Conduct of remedial/bridge classes	Fair(3)	Remedial courses are conducted. But the attendance of weak students is not good. Recommended to find the progress due to remedial classes through some evaluations	The evaluation of after the remedial class will be implemented.



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Maintenance of course diary	Good(4)	Good	
Faculty evaluation by students	Poor(2)	Made online. But only 8 factors of AICTE Appraisal Form considered. Advised to consider all the 12 factors. The index should be communicated to the faculty Some threshold for counselling is fixed as 2.5, which may be increased to at least 5.	This suggestion of the auditor also will be implemented.
Student feedback on curriculum coverage	Good(4)	Good	
Student feedback on infrastructural facilities	Fair(3)	Canteen Transportation facility should be improved	We have canteen facility on contract with various menus. We have good transport buses about 10 numbers. Only 9 is in service with one spare.
Performance of students in the previous semester	Poor(2)	Less than 25%	We have implemented new teaching methods to improve the results
Conduct of seminar classes	Good(4)	Good	
Quality & Progress of projects	Good(4)	Good	

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

Key Aspects	Rating	Auditor Remarks	Principal's Response
Functioning of class/course committees	Fair(3)	One meeting was conducted. Should discuss matters related to class room, infrastructure, Lab work completion, discipline issues etc pertaining to the class also. Shall forward the same to higher committees if required.	Two meetings were conducted. In these mainly academic matters are discussed. All other things are considered in students welfare committee.
Schedule of Time Table	Good(4)	proper	

  
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Attendance of students	Good(4)	Student are regular	
Quantity & Quality of Assignments/Mini Projects	Fair(3)	Abstract and Reports should be read by the guide/ coordinator thoroughly.	We are giving quality assignments with numerical problems depending upon the course.
Conduct of Tutorial Classes	Fair(3)	No separate books used for tutorial. But engaged as regular theory hours	Tutorial classes are conducted with separate time table.
Syllabus coverage as per course plan	Good(4)	proper	
Use of ICT enabled teaching & Digital courses	Fair(3)	Each department has one seminar hall equipped with LCD Projector Screen etc. Recommended to add more online/videos in the lecture.	We are showing and discussing video lectures in the ICT enabled class room.
Conduct of Practical classes	Fair(3)	Some experimental setup need to be installed	All equipments are available and experiments are conducted as per syllabus
Syllabus coverage of practical courses	Good(4)	Good	
Evaluation of students performance in practical classes	Good(4)	proper	
Conduct of remedial/bridge classes	Fair(3)	Remedial courses are conducted. But the attendance of weak students is not good. Recommended to find the progress due to remedial classes through some evaluations	The evaluation of after the remedial class will be implemented.
Maintenance of course diary	Good(4)	Good	



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Faculty evaluation by students	Poor(2)	Made online. But only 8 factors of AICTE Appraisal Form considered. Advised to consider all the 12 factors. The index should be communicated to the faculty Some threshold for counselling is fixed as 2.5, which may be increased to at least 5.	This suggestion of the auditor also will be implemented.
Student feedback on curriculum coverage	Good(4)	Good	
Student feedback on infrastructural facilities	Fair(3)	Need improvements	We are considering the suggestion from next semester
Performance of students in the previous semester	Very Poor(1)	S4 and S6 0%. S2 has 44.	This is mainly due to the attitude of students. course wise results are good but the % of full pass low. students are of more promotion credits. We have implemented new method of coaching to improve the results.
Conduct of seminar classes	Fair(3)	Advanced topics from standard journals should be considered.	Topics for seminar is selected by the students and reviewed/approved by the faculty based on recent trends in technology.
Quality & Progress of projects	Fair(3)	Advanced topics from standard journals should be considered.	will implement auditors suggestion.

#### M.Tech

No of M.Tech Students	41
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#### CIVIL ENGINEERING(COMPUTER AIDED STRUCTURAL ENGINEERING)-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Functioning of class/course committees	Good(4)	Proper	

Schedule of Time Table	Good(4)	Proper	
Attendance of students	Good(4)	Proper	
Quantity & Quality of Assignments/Mini Projects	Good(4)	Good	
Conduct of Tutorial Classes	Fair(3)	Not conducted as tutorials. But theory classes	
Syllabus coverage as per course plan	Good(4)	Proper	
Use of ICT enabled teaching & Digital courses	Good(4)	Proper	
Conduct of Practical classes	Good(4)	Proper	
Syllabus coverage of practical courses	Good(4)	Proper	
Evaluation of students performance in practical classes	Fair(3)	Proper	
Conduct of remedial/bridge classes	Good(4)	Proper	
Maintenance of course diary	Good(4)	Proper	
Faculty evaluation by students	Fair(3)	Only 8 criteria are considered,. But as per AICTE Appraisal form still more criteria to be considered. Index value should be communicated to faculty and threshold value should be incremented.	
Student feedback on curriculum coverage	Good(4)	Good	
Student feedback on infrastructural facilities	Good(4)	Good	
Performance of students in the previous semester	Good(4)	Good	
Conduct of seminar classes	Good(4)	Good	
Quality & Progress of projects	Good(4)	Good	

  
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**MECHANICAL ENGINEERING(THERMAL AND FLUIDS ENGINEERING)-(Full Time)**

Key Aspects	Rating	Auditor Remarks	Principal's Response
Functioning of class/course committees	Not Relevant		
Schedule of Time Table	Not Relevant		
Attendance of students	Not Relevant		
Quantity & Quality of Assignments/Mini Projects	Not Relevant		
Conduct of Tutorial Classes	Not Relevant		
Syllabus coverage as per course plan	Not Relevant		
Use of ICT enabled teaching & Digital courses	Not Relevant		
Conduct of Practical classes	Not Relevant		
Syllabus coverage of practical courses	Not Relevant		
Evaluation of students performance in practical classes	Not Relevant		
Conduct of remedial/bridge classes	Not Relevant		
Maintenance of course diary	Not Relevant		
Faculty evaluation by students	Not Relevant		
Student feedback on curriculum coverage	Not Relevant		
Student feedback on infrastructural facilities	Not Relevant		
Performance of students in the previous semester	Not Relevant		
Conduct of seminar classes	Not Relevant		
Quality & Progress of projects	Not Relevant		