



**Govt. Engineering College, Barton hill,
Thiruvananthapuram
Kerala - 695035**

Internal Audit Report Year: August 2022-23 (Even-2)

Basic Details

Institution Name	Government Engineering College, Barton Hill, Thiruvananthapuram
Auditor Name	
Visit	
Semester Type	Even-2

College Specific Assessments

Key Aspects	Rating	Auditor Remarks	Principal's Response
Compliance to the Academic Calendar of KTU	Excellent (5)	Strictly sticking to the academic calendar of KTU.	
Functioning of students grievances and appeal committee	Excellent (5)	Verified action taken reports.	
Functioning of Academic Discipline & Welfare committee	Excellent (5)	Verified minutes and action taken reports	
Facility for co- curricular and extracurricular activities	Excellent (5)	ASME (Students' Branch), IEEE (Students' Branch), IEDC, NSS etc are very active.	
Average student to faculty ratio	Excellent (5)	Average SFR of 18.53 is impressive	
Faculty Retention	Excellent (5)	Average SFR is maintained throughout the year.	
Faculty Qualification Index	Excellent (5)	Average Faculty Qualification index of 18.19 is impressive.	
Number of qualified technical staff	Excellent (5)	All technical staff are qualified as per Government rules.	
Facility of central library with respect to volume and title of books, online & print journals	Excellent (5)	A very good number of Title and Volume of books are available. A number of E journals are also available.	

Functioning of IQAC and progress of IQAC report uploading	Excellent (5)	Functioning well and all reports are available in college website.	
Principal's response on previous audit reports			
Average Rating	Excellent (5)		

B. Tech:

Branch: Information Technology

No of UG Students		285	
Key Aspects	Rating	Auditor Remarks	Principal's Response
Class/course committee meetings and action taken report	5		
Advisory meetings and action taken report	5		
Schedule of Time Table	5		
Syllabus coverage as per course plan	5		
Conduct of Tutorial Classes	4	Tutorial books should be maintained for each batch	
Conduct of series tests	5		
Syllabus coverage of practical course	5		
Evaluation of students' performance in practical classes	5		
Conduct of Practical test	5		
Facility to do experiments in the lab	4		
Conduct of remedial/minor/honours classes	4	Remedial Course data to be maintained	
Maintenance of course diary	5		
Assessment of Outcomes	4		

Faculty evaluation & remarks of the HoD	4		
Facility in the department library for references	4		
Average Rating	4.67		

B. Tech:

Branch: MECHANICAL ENGINEERING

No of UG Students		277	
Key Aspects	Rating	Auditor Remarks	Principal's Response
Class/course committee meetings and action taken report	5	Meetings and action taken report Class/Course committee minutes are available	
Advisory meetings and action taken report	5		
Schedule of Time Table	5	Schedule and Time Table are available	
Syllabus coverage as per course plan	5	As per KTU academic calendar	
Conduct of Tutorial Classes	5	Tutorial classes are conducted. Register Maintained	
Conduct of series tests	5	Conducted as per KTU guidelines	
Syllabus coverage of practical course	5	As per KTU guidelines	
Evaluation of students' performance in practical classes	5	As per KTU guidelines	
Conduct of Practical test	5	As per KTU guidelines	
Facility to do experiments in the lab	4	Adequate facility is available	
Conduct of remedial/minor/honours classes	4	Remedial classes are conducted.	
Maintenance of course diary	4		

Assessment of Outcomes	4	As per KTU guidelines	
Faculty evaluation & remarks of the HoD	5	Details are available	
Facility in the department library for references	4	Adequate facilities are available	
Average Rating	4.66		

B. Tech:

Branch:

ECE

No of UG Students		280	
Key Aspects	Rating	Auditor Remarks	Principal's Response
Class/course committee meetings and action taken report	Excellent(5)	Meetings were conducted and reports were found.	
Advisory meetings and action taken report	Good(4)		
Schedule of Time Table	Excellent(5)	Schedule and Timetable are available	
Syllabus coverage as per course plan	Excellent(5)	In line with the course plan	
Conduct of Tutorial Classes	Good(4)		
Conduct of series tests	Excellent(5)	Series tests are conducted as per KTU guidelines	
Syllabus coverage of practical course	Excellent(5)	Covered in accordance with KTU guidelines	
Evaluation of students' performance in practical classes	Excellent(5)		
Conduct of Practical test	Excellent(5)		
Facility to do experiments in the lab	Excellent(5)	Laboratory facilities are sufficient to carry out experiments in accordance with the KTU syllabus	
Conduct of remedial/minor/honours classes	Good(4)	Registers have to be maintained	
Maintenance of course diary	Excellent(5)	Course diary is available for all courses	

Assessment of Outcomes	Excellent(5)	In progress	
Faculty evaluation & remarks of the HoD	Excellent(5)	Faculty evaluation details are available	
Facility in the department library for references	Good(4)		
Average Rating	4.7		

B.Tech:

Branch: EEE

No of UG Students		278	
Key Aspects	Rating	Auditor Remarks	Principal's Response
Class/course committee meetings and action taken report	Good(4)		
Advisory meetings and action taken report	Good(4)		
Schedule of Time Table	Excellent(5)		
Syllabus coverage as per course plan	Excellent(5)		
Conduct of Tutorial Classes	Good(4)		
Conduct of series tests	Excellent(5)	Series tests are conducted as per KTU guidelines	
Syllabus coverage of practical course	Excellent(5)	Covered in accordance with KTU guidelines	
Evaluation of students' performance in practical classes	Excellent(5)		
Conduct of Practical test	Excellent(5)		
Facility to do experiments in the lab	Excellent(5)	Laboratory facilities are sufficient to carry out experiments in accordance with the KTU syllabus	
Conduct of remedial/minor/honours classes	Good(4)	Details of remedial classes not available	
Maintenance of course diary	Excellent(5)	Course diary is available for all courses	

Assessment of Outcomes	Excellent(5)	Assessment are carried out as per KTU guidelines	
Faculty evaluation & remarks of the HoD	Excellent(5)	Faculty evaluation details are available	
Facility in the department library for references	Good (4)		
Average Rating	4.7		

B. Tech

Branch: CIVIL ENGINEERING

No of UG Students		274	
Key Aspects	Rating	Auditor Remarks	Principal's Response
Class/course committee meetings and action taken report	4	Action taken report not available in few minutes	
Advisory meetings and action taken report	4	Action taken report not available in few minutes	
Schedule of Time Table	5		
Syllabus coverage as per course plan	5		
Conduct of Tutorial Classes	4	Register not maintained for few batches	
Conduct of series tests	5	Conducted as per KTU guidelines and time schedule	
Syllabus coverage of practical course	5		
Evaluation of students' performance in practical classes	4	Evaluation rubrics to be maintained for few labs	
Conduct of Practical test	5		
Facility to do experiments in the lab	4	Few equipment are not working properly	
Conduct of remedial/minor/honours classes	4		
Maintenance of course diary	4	Course diary of few first-year courses not available	
Assessment of Outcomes	5		

Faculty evaluation & remarks of the HoD	5		
Facility in the department library for references	3	Number of copies of text books limited	
Average Rating	4.4		

M. Tech:

Branch: Network Engineering

No of PG Students		9	
Key Aspects	Rating	Auditor Remarks	Principal's Response
Class committee meetings and action taken report	5		
Syllabus coverage as per course plan	5		
Conduct of Seminar& Mini project	5		
Conduct of Thesis	5		
Faculty with Ph.D for the program	4		
Maintenance of course diary	5		
Students attending MOOC or other online courses	4		
Facility in the department library for journal reference	4	Number of books should be increased	
Computing facility in the department	4		
Facility available in the department to do thesis work (all relevant licensed software)	4	Open source software are used	
Average Rating	4.5		

M. Tech:

Branch: MACHINE DESIGN

No of PG Students		16	
Key Aspects	Rating	Auditor Remarks	Principal's Response
Class committee meetings and action taken report	5		

Syllabus coverage as per course plan	5		
Conduct of Seminar& Mini project	5		
Conduct of Thesis	5		
Faculty with Ph.D. for the program	4		
Maintenance of course diary	5		
Students attending MOOC or other online courses	4		
Facility in the department library for journal reference	4	Number of books should be increased	
Computing facility in the department	4		
Facility available in the department to do thesis work (all relevant licensed software)	4	More licensed software must be procured	
Average Rating	4.5		

M. Tech:

Branch: Signal Processing

No of PG Students		4	
Key Aspects	Rating	Auditor Remarks	Principal's Response
Class committee meetings and action taken report	Good(4)	Good(4)	
Syllabus coverage as per course plan	Good(4)	Good(4)	
Conduct of Seminar& Mini project	Excellent(5)	Excellent(5)	
Conduct of Thesis	Excellent(5)	Excellent(5)	
Faculty with Ph.D. for the program	Excellent(5)	Excellent(5)	
Maintenance of the course diary	Good(4)	Good(4)	
Students attending MOOC or other online courses	Good(4)	Good(4)	
Facility in the department library for journal reference	Good(4)	Good(4)	
Computing facility in the department	Good(4)	Good(4)	

Facility available in the department to do thesis work(all relevant licensed software)	Good(4)	Good(4)	
Average Rating	4.3		

M.Tech:

Branch: Power Electronics

No of PG Students		1	
Key Aspects	Rating	Auditor Remarks	Principal's Response
Class committee meetings and action taken report	Good(4)		
Syllabus coverage as per course plan	Excellent(5)		
Conduct of Seminar& Mini project	Excellent(5)		
Conduct of Thesis	Good(4)		
Faculty with Ph.D. for the program	Excellent(5)		
Maintenance of the course diary	Good(4)		
Students attending MOOC or other online courses			
Facility in the department library for journal reference	Good(4)		
Computing facility in the department	Good(4)		
Facility available in the department to do thesis work(all relevant licensed software)	Good(4)		
Average Rating	4.3		

M.Tech:

Branch: Power System

No of PG Students		4	
Key Aspects	Rating	Auditor Remarks	Principal's Response
Class committee meetings and action taken report	Good(4)		
Syllabus coverage as per course plan	Excellent(5)		

Conduct of Seminar& Mini project	Excellent(5)		
Conduct of Thesis	Good(4)		
Faculty with Ph.D. for the program	Excellent(5)		
Maintenance of the course diary	Good(4)		
Students attending MOOC or other online courses			
Facility in the department library for journal reference	Good(4)		
Computing facility in the department	Good(4)		
Facility available in the department to do thesis work(all relevant licensed software)	Good(4)		
Average Rating	4.3		

M.Tech:

Branch: Translational Engineering

No of PG Students	4		
Key Aspects	Rating	Auditor Remarks	Principal's Response
Class committee meetings and action taken report	Good(4)		
Syllabus coverage as per course plan	Excellent(5)		
Conduct of Seminar& Mini project	Excellent(5)		
Conduct of Thesis	Good(4)		
Faculty with Ph.D. for the program	Excellent(5)		
Maintenance of the course diary	Good(4)		
Students attending MOOC or other online courses	Good (4)		

Facility in the department library for journal reference	Good(4)		
Computing facility in the department	Good(4)		
Facility available in the department to do thesis work(all relevant licensed software)	Good(4)		
Average Rating	4.3		

Interaction with students

Key Aspects	Rating	Auditor Remarks	Principal's Response
Syllabus coverage	4.6		
Lab Facility and conduct of Labs	5		
Co-curricular facility	4		
Extra-curricular facility	4.2		
All intimation from university conveyed properly in time	5		
Extra fees/fine imposed on students	5		
Approach of the management in addressing student grievances	5		
Availability of Faculty for all subjects	5		
Any other remarks			
Average Rating	4.73		

Total Average Mark	4.54
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