

# STUDENT SURVEY

Department of Mechanical Engineering  
Government Engineering College Thrissur  
Thrissur, Kerala  
www.gectcr.ac.in



Dear Student,

The Department of Mechanical Engineering, Govt. Engineering College, Thrissur solicits feedback from our stakeholders (i.e. Alumni Members, Employers, parents, students and staff), to gauge whether the B.Tech (Mechanical Engineering) programme offered by our department fulfills the requirements for the students to be a competent engineer in pursuing successful professional life after their graduation.

The objectives of the survey are:

- (i) To collect the suggestions for reviewing the vision and mission of the department
- (ii) To gather information on the relevance of the Program Educational Objectives (PEOs) and program Outcomes (POs) statements
- (iii) To assess our graduates' accomplishments after graduation (PEOs) and, also, their attributes after completing the programme (POs).

We are grateful if you could spare some time to complete this survey.

**Name** :

**Year of admission** :

( Please put a tick mark '√' on relevant options)

1. Indicate how well do you agree with mission and vision of the department.

**1.Vision : To evolve into a centre of excellence, pursuing high quality learning and research in collaborative engagement with local and global communities for a fulfilling profession and life**

**2.Mission: To be a centre of excellence for transforming talented youth to competent engineers through a system of efficient engineering education that will enable them to effectively deal with the demands and challenges of modern day technology at the national and global levels for the welfare of humanity and mother earth.**

Strongly Agree       Agree       Neutral       Disagree       Strongly disagree

2. Indicate how well do you agree with relevance of each Programme Educational Objective (POE) of the programme.

**( Programme Educational Objectives(PEOs) are broad statements that describe the career and professional accomplishments by graduates during the first few years after their graduation .)**

Programme Educational Objectives(PEOs)	Degree of relevance				
	1	2	3	4	5
1. Develop technical expertise to formulate and solve real world problems as contributing members of engineering teams through application of fundamental knowledge in engineering analysis and design.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2. Function effectively as engineering professionals in industry, government or other organizations, by designing, improving, leading, and implementing efficient mechanical engineering practices, and managing these activities, thereby contributing to the society.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Build up adequate knowledge in respective domain with the aim to contribute towards its development through research, thus enhancing professional and national growth.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Adapt to the national and global work environment with high regard to societal needs, diversity, environment, constraints and ethical responsibilities in the professional workplace.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

1-Most relevant      2- Relevant      3- Neutral      4- Less relevant      5- Not relevant

3. Do you suggest any changes in the PEOs? (Specify)

4. Indicate how well you agree with relevance each Programme Outcome (PO) of the programme.

*(Programme Outcomes (POs) are precise and concise statements that describe what the students are expected to know and able to do as they progress as well as by the time of graduation.)*

Programme Outcomes (POs)	Degree of relevance				
	1	2	3	4	5
1. Engineering knowledge	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Problem analysis	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Design/development of solutions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Conduct investigations of complex problems	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Modern tool usage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. The engineer and society	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Environmental and sustainability	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Ethics	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

9. Individual and team work	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Communication	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Project management and finance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Life-long learning	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

1-Most relevant    2- Relevant    3- Neutral    4- Less relevant    5- Not relevant

5. Indicate how well do you agree with relevance of each Programme Specific Outcome (PSO) of the programme.

*(Programme Specific Outcomes (PSOs) are the statement indicating the attributes that are specific to the B Tech Mechanical Engineering programme concerned)*

Programme specific outcomes (PSOs)	Degree of relevance				
	1	2	3	4	5
1. To model,analyze,design and realise mechanical systems and components or processes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. To Specify, fabricate, test, operate,maintain and document mechanical systems or procesess	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

1-Most relevant    2- Relevant    3- Neutral    4- Less relevant    5- Not relevant

6. Do you agree that the POs of this programme help to attain the PEOs?

Strongly agree     Agree     Neutral     Disagree     Strongly disagree

7. List a few courses or training that you wish to include in the B.Tech (Mechanical engineering) programme which you think are important for building up a good career.

Place:  
Date:

Name:

Signature:

The Department of Mechanical Engineering would like to thank you for your willingness in spending your valuable time to complete this questionnaire. Your time and effort is much appreciated.

After completing the form, please send a scanned copy of the form to [hodme@gectcr.ac.in](mailto:hodme@gectcr.ac.in) or send the print out version of this form to the address given below

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