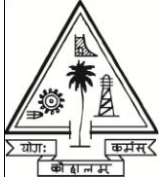


INDUSTRY SURVEY



Department of Computer Science and Engineering,
Government Engineering College Thrissur,
Thrissur, Kerala
www.gectcr.ac.in

Dear Respondent

The Department of Computer Science and Engineering, Govt. Engineering College, Thrissur require feedback from our stakeholders i.e. Alumni Members, Employers, parents , students and staff, to gauge whether the B-Tech (Computer Science and Engineering) programme offered by our department is sufficient in preparing the students to be a competent engineer for 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 importance of the Program Educational Outcomes (PEO) and program Outcomes (PO) statements
- (iii) To gauge our graduates' accomplishments after graduation (PEO) and also to measure their attributes after completing the programme (PO)

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

COMPANY PROFILE

Type of Company Sector Government Private

Type of Industry Consultancy Education Software Industry

Service Industry ITES Others

Name of the Company : _____

1. Are there any other skills which will be in demand in the future that should be included in the educational preparation of fresh graduates? If yes, please specify

Yes

No

Don't know

2. Specify the details of additional skills a graduate should acquire before joining your organization?

3. Indicate how well do you agree with mission and vision of the department (refer annexure A and B)

Strongly disagree

Disagree

can't say

Agree

Strongly agree

4. Indicate how well do you agree with each Program Educational Objectives PEOs (refer Annexure C) as a predicted accomplishment for the degree.

Program Educational Objectives (PEO)	Degree of relevance				
	1	2	3	4	5
PEO 1.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PEO 2.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PEO 3.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PEO 4.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PEO 5.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

1-Least relevant 2- Less relevant 3- Can't say 4- relevant 5- Very relevant

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

6. Indicate how well do you agree with each Program Outcomes POs (refer Annexure D) as a predicted accomplishment for this programme.

Program Outcomes(PO)	Degree of relevance				
	1	2	3	4	5
PO 1. Engineering knowledge.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PO 2. Problem analysis	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PO 3. Design/development of solutions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PO 4. Conduct investigations of complex problems	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PO 5. Modern tool usage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PO 6. The engineer and society	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PO 7. Environment and sustainability	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PO 8. Ethics	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PO 9. Individual and team work	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PO 10. Communication	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PO 11. Project management and finance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PO 12. Life-long learning	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

1-Least relevant 2- Less relevant 3- Can't say 4- relevant 5- Very relevant

7. Indicate how well do you agree with each Program Specific Outcomes PSOs (refer Annexure E) as a predicted accomplishment for this programme.

Program Specific Outcomes(PSO)	Degree of relevance				
	1	2	3	4	5
PSO 1. Problem Solving Skills	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PSO 2. Professional Skills	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

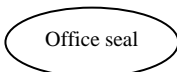
1-Least relevant 2- Less relevant 3- Can't say 4- relevant 5- Very relevant

8. List a few courses that you wish to include in the B.Tech (Computer Science and Engineering) programme which you think are important for building up a good career.

Other suggestions, if any:

Place:

Date:



Signature

Name and Designation

The Department of Computer Science and 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 hodcse@gectcr.ac.in or send the print out version of this form to the address given below:

(N.B: Please refer to the annexure for the details about vision and mission of the department, PEOs PSOs and POs)

Head of the Department
 Department of Computer Science and Engineering
 Government Engineering College Thrissur,
 Kerala, Pin:680009

Annexure

A. Vision of the Department:

To become a center of excellence and a pioneering research center in Computer Science and Engineering.

B. Mission of the Department:

To provide quality education and training to the students, through academic and research oriented activities in Computer Science and Engineering, for transforming them to committed technical personnel, which can contribute to the social and economic betterment of the society.

C. Program Educational Objectives(PEOs)

PEO-1: To empower students to identify, formulate and solve computing problems by applying their knowledge in mathematics, theoretical computing and computer programming.

PEO-2: To develop industry focused skills and leadership qualities to become successful engineers and entrepreneurs.

PEO-3: To enable students to acquire skills to communicate effectively with the society and the constituents which enable them to collaborate as team members and team leaders.

PEO-4: To instil professional work ethics and social responsibilities so that they can contribute the betterment of the society as committed technical personnel.

PEO-5: To inculcate a passion towards higher education, research and lifelong learning in the Computer Science and Engineering.

D. Program Outcome (POs)

PO1: Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2: Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3: Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO4: Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5: Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

- PO6: The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- PO7: Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- PO8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- PO9: Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- PO10: Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- PO11: Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- PO12: Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

E. Program Specific Outcome

- PSO 1: Problem Solving Skills: Ability to design and develop computer programs and computer based systems of moderate complexity in the areas pertaining to system software, multimedia, database, networking, web design and information security.
- PSO 2: Professional Skills: Ability to apply standard practices and methods in software project management and software development using suitable programming environments to deliver quality product for the industry.

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