**EMPLOYERS SURVEY**

**Department of Electrical Engineering**

Government Engineering College Trichur

Thrissur, Kerala

www.gectcr.ac.in

Dear Respondent

The Department of Electrical 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 (Electrical and Electronics 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:

1. To collect the suggestions for reviewing the vision and mission of the department
2. 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&Testing Education

 Service Industry Electrical & Electronics Industry

 Computer & IT Industry Others

**Name of the Company :\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. How many graduates have you hired from this department in the past five years?

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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

1. What other training do you wish they had received? (Specify)

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1. How have graduates from this department contributed to the profession in your organization?

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

€ Strongly disagree € disagree € can’t say € agree € Strongly agree

1. Indicate how well do you agree with each PEOs as a predicted accomplishment for the degree.

|  |  |
| --- | --- |
|  PEOs | Degree of relevance |
| 1 | 2 | 3 | 4 | 5 |
| 1. To mould the students with global standards by providing knowledge in basic sciences and mathematics, in general and electrical & electronics engineering in particular.
 | € | € | € | € | € |
| 1. To impart necessary skill and practical knowledge to design, analyze and synthesis electrical & electronic systems with effective use of modern problem solving tools and techniques.
 | € | € | € | € | € |
| 1. To mould the students with effective oral and written communication skills, professional ethics and team work skills for a successful professional career
 | € | € | € | € | € |
| 1. To instill in students self confidence and leadership qualities to become innovative engineers and entrepreneurs, with an enthusiasm for lifelong learning.
 | € | € | € | € | € |

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

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

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1. Indicate how well do you agree with each POs as a predicted accomplishment for this programme.

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| --- | --- |
|  POs  | Degree of relevance |
| 1 | 2 | 3 | 4 | 5 |
| **PO 1**: **Engineering Knowledge**: apply the knowledge of mathematics, science, engineeringfundamentals, and an engineering specialization to the solution of complex engineering problems | € | € | € | € | € |
| **PO2**: **Problem Analysis**: identify, formulate, review research literature, and analyze complexengineering 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 anddesign 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.  | € | € | € | € | € |
| **PO 4**: **Conduct Investigations of Complex Problems**: use research-based knowledge and researchmethods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.  | € | € | € | € | € |
| **PO 5**: **Modern Tool Usage**: create, select, and apply appropriate techniques, resources, and modernengineering and it tools including prediction and modeling to complex engineering activities with an understanding of the limitations.  | € | € | € | € | € |
| **Po 6**:  **The Engineer and Society**: apply reasoning informed by the contextual knowledge to assesssocietal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice. | € | € | € | € | € |
| **PO 7**: **Environment and Sustainability**: understand the impact of the professional engineering solutionsin societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.  | € | € | € | € | € |
| **PO 8**: **Ethics**: apply ethical principles and commit to professional ethics and responsibilities and norms ofthe engineering practice.  | € | € | € | € | € |
| **PO 9**: **Individual and Team Work**: function effectively as an individual, and as a member or leader indiverse teams, and in multidisciplinary settings.  | € | € | € | € | € |
| **PO 10**: **Communication**: communicate effectively on complex engineering activities with the engineeringcommunity 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.  | € | € | € | € | € |
| **PO 11: Project Management and Finance**: demonstrate knowledge and understanding of theengineering 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.  | € | € | € | € | € |
| **PO 12: Life-long Learning**: recognize the need for, and have the preparation and ability to engage inindependent and life-long learning in the broadest context of technological change. | € | € | € | € | € |

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

1. Indicate how well do you agree with each PSOs as a predicted accomplishment for this programme.

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| --- | --- |
| PSOs  | Degree of relevance |
| 1 | 2 | 3 | 4 | 5 |
| **PSO 1**: Design and analyse the performance of electric power system, electrical machines, control systems, electronic and power electronic systems.  | € | € | € | € | € |
| **PSO 2:** Attain technical competence in developing, testing and implementing electrical and/or electronic systems with the effective use of relevant processors/controllers and application softwares. | € | € | € | € | € |
| **PSO 3**: Apply theoretical concepts and practical skills in providing electrical and/or electronics engineering solutions with a view of energy conservation and sustainability. | € | € | € | € | € |

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

1. List a few courses that you wish to include in the B.Tech (Electrical & Electronics Engineering) programme which you think are important for building up a good career.

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1. Do you agree that the course outcomes of this programme help to achieve the PEOs

 € Strongly disagree € disagree € can’t say € agree € Strongly agree

Other suggestions, if any:

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|  |

Place: Signature

Date:

Name and Designation

The Department of Electrical 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 mnkumar.tcr@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)***

Head of the Department

Department of Electrical Engineering

Government Engineering College Thrissur, Kerala

**Annexure : Vision and Mission of the Department**

 **Vision:**

                 Unite skill with effort

 **Mission :**

To generate technocrats to meet the challenges in the field of Electrical & Electronics Engineering and to make them competent enough to provide service to society.