

**SHAMBHUNATH INSTITUTE OF ENGINEERING AND TECHNOLOGY**  
**DEPARTMENT OF ELECTRICAL ENGINEERING**  
**EMPLOYER SURVEY**

Dear Responder

The Department of Electrical Engineering require feedback from our Employer to gauge whether the B.Tech programme offered by our Department is sufficient in preparing the students to be an Electrical Engineer for professional life after their graduation.

**COMPANY PROFILE**

1. Name of Company - \_\_\_\_\_
2. Address - \_\_\_\_\_
3. Company Representative - \_\_\_\_\_
4. Designation - \_\_\_\_\_
5. Contact Details Including Email and Phone No. - \_\_\_\_\_

Indicate how well do you agree with each Program Outcomes (Refer Annexure A) on 3 point scale.

1. Average      2. Agree      3. Strongly Agree

Program Outcomes (POs)	Degree of Relevance		
	1	2	3
PO1. Engineering Knowledge			
PO2. Problem Analysis			
PO3. Design/Development of Solution			
PO4. Conduct Investigation of Complex Problems			
PO5. Modern Tool Usage			
PO6. The Engineer and Society			
PO7. Environment and Sustainability			
PO8. Ethics			
PO9. Individual and Team Work			
PO10. Communication			
PO11. Project Management and Finance			
PO12. Life-long Learning			

Indicate how well do you agree with each Program Specific Outcomes (Refer Annexure B) on 3 point scale.

1. Average      2. Agree      3. Strongly Agree

Program Specific Outcomes (PSOs)	Degree of Relevance		
	1	2	3
PSO1. Creative and Competent Skill			
PSO2. Modern Software for Design			
PSO3. Experimentation and Hardware Realization			

Any other suggestion for improvement: \_\_\_\_\_

Authorized Signatory

P.T.O.

## Annexure A

### **Program Outcomes as defined by NBA (PO)**

Engineering Graduates will be able to:

- 1. Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- 2. 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.
- 3. 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.
- 4. 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.
- 5. 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.
- 6. 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.
- 7. 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.
- 8. Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- 9. Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- 10. 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.
- 11. 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.
- 12. 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.

## Annexure B

### **Program Specific Outcomes (PSOs)**

Graduates will be able to:

- PSO1:** Develop creative and competent skills in the field of design, research and operations of electrical systems.
- PSO2:** Apply technical knowledge effectively with modern software for design and analysis of power network and systems.
- PSO3:** Implement the technical concepts and principles through experimentation and hardware realization.