

# **ALUMNI Survey**

**(To be filled by Alumni)**

The department of Electrical and Electronics Engineering in LBRCE, Mylavaram is implementing outcome based education as per the requirements of National Board of Accreditation. It is required to collect feedback from our stakeholders i.e. alumni, industries, and professional advisory organizations. This will help to evaluate / improve B.Tech programme in preparing students to become competent engineers for professional life after graduation.

The objective of the survey is

1.To gather information on the importance of the programme educational objectives(PEOs), programme outcomes(POs) and programme specific outcome(PSOs) statements.

2. To measure our graduate accomplishments after few years of graduation (PEO) and also to measure their attributes soon after of the graduation (PO&PSO)

Department will be grateful if you spare some time to complete this survey form. Please tick in the small boxes and enter data in the space provided.

## **PART-A: ALUMINI PROFILE:**

1. Name of the Alumni \_\_\_\_\_
2. Year of Graduation \_\_\_\_\_
3. Contact No(Mobile) .....
4. Email id:.....
5. Address:.....
6. Professional Engineer:
  - Yes
  - No
7. Field at Work (Electrical Industry, Software, services, Any other-)
8. Professional Bodies Membership(ISTE,IEEE,MIE,Other.):
  
9. Current post/position/Responsibility:  
.....
10. Your Professional Achievements:  
.....
11. Have you acquired additional degree after your graduation at LBRCE, If so, details of the programme  
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12. How the graduation program at LBRCE has helped you as foundation in realization of career goals.  
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13. List your professional accomplishments till date from your graduation at the institute.  
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14. How comfortable were you in the initial months of training in your 1<sup>st</sup> employment  
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15. What is your progress in the employment?  
.....
16. What is the size of your team in profession when working in teams?  
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17. Have you are undergone any trainings/courses in your field for up graduation of technology/career.  
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18. What is the nature of projects you handled after your graduation either in employment/individual.  
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19. To meet current job requirements, please specify the tools/technologies you need other than what you have learned during the graduation.  
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## **PART –B:PROGRAMME EDUCATIONAL OBJECTIVE (PEO)**

Programme Educational Objectives (PEO) are statements describing attributes which should be achieved by graduates after a few (4-5) years of graduation.

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**Statement importance** : Please select the importance of each PEO listed with respect to the type of your employer's industry:

**PEO1.Design and develop innovative products and services in the field of Electrical and Electronics Engineering and allied Engineering disciplines.**

- 1.Not important
- 2.Neutral
- 3.Some what important
- 4.Important
- 5.Very important

**PEO2. Apply the knowledge of Electrical and Electronics Engineering to solve problems of social relevance, pursue higher education and research**

- 1.Not important
- 2.Neutral
- 3.Some what important
- 4.Important
- 5.Very important

**PEO3. Work effectively as individuals and as team members in multidisciplinary projects**

- 1.Not important
- 2.Neutral
- 3.Some what important
- 4.Important
- 5.Very important

**PEO4. Engage in lifelong learning, career enhancement and adapt to changing professional and societal needs**

- 1.Not important
- 2.Neutral
- 3.Some what important
- 4.Important
- 5.Very important

**(Level of achievements)**

**PEO1. Design and develop innovative products and services in the field of Electrical and Electronics Engineering and allied Engineering disciplines.**

- 1.Strongly Disagree
2. Disagree
3. Neither
- 4.Agree
- 5.Strongly Agree

**PEO2. Apply the knowledge of Electrical and Electronics Engineering to solve problems of social relevance, pursue higher education and research**

- 1.Strongly Disagree
2. Disagree
3. Neither
- 4.Agree
- 5.Strongly Agree

**PEO3. Work effectively as individuals and as team members in multidisciplinary projects**

- 1.Strongly Disagree
2. Disagree
3. Neither
- 4.Agree
- 5.Strongly Agree

**PEO4. Engage in lifelong learning, career enhancement and adapt to changing professional and societal needs**

- 1.Strongly Disagree
2. Disagree
3. Neither
- 4.Agree
- 5.Strongly Agree

**PART-C: Program Outcomes (POs) & Program Specific Outcomes(PSOs)**

Programme Outcomes (POs) and Programme specific outcomes (PSOs) are statements describing knowledge, skills, behaviors and abilities which should be achieved by graduates soon after graduation

**Program Outcomes (POs)**

**Statement Importance (with respect to your industry):**

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

- 1.Not important
2. Neutral
- 3.Some what important
- 4.Important
- 5.Very important

**b: 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.**

- 1.Not important
2. Neutral
- 3.Some what important
- 4.Important
- 5.Very important

**c: 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.**

- 1.Not important
2. Neutral
- 3.Some what important
- 4.Important
- 5.Very important

**d: 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.**

- 1.Not important
2. Neutral
- 3.Some what important
- 4.Important
- 5.Very important

**e.: 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.**

1. Not important
2. Neutral
3. Some what important
4. Important
5. Very important

**f: 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.**

1. Not important
2. Neutral
3. Some what important
4. Important
5. Very important

**g. 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.**

1. Not important
2. Neutral
3. Some what important
4. Important
5. Very important

**h: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.**

1. Not important
2. Neutral
3. Some what important
4. Important
5. Very important

**i: Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.**

1. Not important
2. Neutral
3. Some what important
4. Important
5. Very important

**j: 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.**

1. Not important
2. Neutral
3. Some what important
4. Important
5. Very important

**k: 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.**

1. Not important
2. Neutral
3. Some what important

- 4.Important
- 5.Very important

**1: 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**

- 1.Not important
- 2. Neutral
- 3.Some what important
- 4.Important
- 5.Very important

**Program Specific Outcomes(PSOs)**

**PSO-a: Specify, design and analyze systems that efficiently generate, transmit and distribute electrical power**

- 1.Not important
- 2. Neutral
- 3.Some what important
- 4.Important
- 5.Very important

**PSO-b: Design and analyze electrical machines, modern drive and lighting systems**

- 1.Not important
- 2. Neutral
- 3.Some what important
- 4.Important
- 5.Very important

**PSO-c: Specify, design, implement and test analog and embedded signal processing electronic systems**

- 1.Not important
- 2. Neutral
- 3.Some what important
- 4.Important
- 5.Very important

**PSO-d: Design controllers for electrical and electronic systems to improve their performance**

- 1.Not important
- 2. Neutral
- 3.Some what important
- 4.Important
- 5.Very important

**General Comments**

Please make any additional comments or suggestions, which you think would help strengthen our programs for the preparation of graduates who will enter your field.

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**Thank you for sparing your valuable time.**