**Alumni Survey on POs**

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| **Name:** | **Roll No.** | **Branch** |
| **Year of Passing:** | **Currently Working in:** | **Date:** |

**Program Outcomes:** Program outcomes are narrower statements that describe what students are expected to know and be able to do by the time of graduation. These relate to the skills, knowledge and behaviors that students acquire in their matriculation through the program

*Please assess whether the following program outcomes have been achieved during your studies and rate in a scale of 1 to 5.*

*5:Excellent, 4: Very good, 3: Good, 2: Average, 1: Poor*

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| **PO/**  **PSO** | **Programme Outcomes (POs) and**  **Program Specific Outcomes(PSOs)** | E (5) | VG (4) | G (3) | A (2) | P (1) |
|  | **POs** | | | | | |
| **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 Engineering 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. |  |  |  |  |  |
|  | **PSOs** | | | | | |
| **1** | An ability to design an Electronic and Communication Engineering system, component, or process and conduct experiments, analyze, interpret data and prepare a report with conclusions to meet desired needs within the realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability and sustainability. |  |  |  |  |  |
| **2** | An ability to use modern Electronic Design Automation (EDA) tools, software and electronic equipment to analyze, synthesize and evaluate Electronics and Communication Engineering systems for multidisciplinary tasks |  |  |  |  |  |

**Signature**