PROGRAMME OUTCOMES (POs)

The Electrical and Electronics Engineering curriculum is designed to ensure that students at the time of graduation, would be able to:

PO1. Apply knowledge of mathematics, natural science, computing and engineering fundamentals, and an engineering specialization to develop solutions to complex engineering problems.

PO2. Identify, formulate, research literature and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences with holistic considerations for sustainable development.

PO3. Design creative solutions for complex engineering problems and design systems, components or processes that meet identified needs with appropriate consideration for public health and safety, whole life cost, net-zero carbon as well resource, cultural, societal, and environmental considerations.

PO4. Conduct investigation of complex engineering problems using research methods including research-based knowledge, design of experiments, analysis and interpretation of data, and synthesis of information to provide valid conclusions.

PO5 Create, select and apply and recognized limitations of appropriate techniques, resources and modern engineering and IT tools, including prediction and modeling, to complex engineering problems.

PO6. When solving complex engineering problems, analyze and evaluate sustainable developments impacts to: society, the economy, sustainability, health and safety, legal frameworks, and the environment.

PO7. Apply ethical principles and commit to professional ethics and norms of engineering practice and adhere to relevant national and international laws. Demonstrate an understand understanding of the need for diversity and inclusion

PO8.Function effectively as an individual and as a member leader in diverse and inclusive teams and in multi-disciplinary, face-to-face, remote and distributed settings.

PO9. Communicate effectively and inclusively 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, taking into account cultural, language, and learning differences.

PO10. Apply knowledge and understanding of engineering management principles and economic decision-making and apply these to one's own work, as a member and leader in a team, and to manage projects in multi-disciplinary environments

PO11. Recognize the need for, and have the preparations and ability for (i) independent and life-long learning (ii) adaptability to new and emerging technologies and (iii) Critical thinking in the broadest context of technological change.