PEOs & POs

PEOs

PEO1: Preparation: To strengthen the learners with fundamental knowledge in the concepts of Engineering Mathematics, Applied Science and Basic Electronics Engineering subjects for problem analysis, comprehend to develop solutions for new hardware, software, and other tools in Electronics & Communication Engineering field.

PEO2: Core Competence: To enable the learners with core curriculum knowledge in theory and practical of Electronics & Communication Engineering to develop the innovative skills, critical analysis, design, simulation, investigation of complex problems, reasoning, development & testing knowledge for offering solutions to real time problems related to globally evolving techno-corridor developments of Electronics & Communication Engineering.

PEO3: Breadth Knowledge: To enable the learners with breadth knowledge to build the Electronics & Communication Engineering professionals to have the team work and skills for developing communicative abilities, lifelong learning and aptitude of project management & finance with entrepreneurial values for rural development.

PEO4: Advanced Professional Knowledge: Implementation of the multi-disciplinary approach, development of the R&D skills by MOUs with premier industries and institutions, interacting with training sessions and industrial visits to the learners to have awareness in latest trends of Communication, Networks, Signal processing etc.with the modern tools and modules compatible to escalating needs of the society.

PEO5: Career Development and Ethics: To enable the learners with the aptitude of competitive knowledge of real-time requirement of cutting edge technologies for promoting employability, higher education by imbibing ethical, social and eco friendly values.

PSOs

PSO1: Apply Enginering principles to solve the problems of Communications and Signal Processing area.

PSO2: To use advanced tools to design and analyze the problems of VLSI & Embedded

POs

PO1: Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2: 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.

PO3: 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.

PO4: 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 conclusion

PO5: 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.

PO6: 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.

PO7: 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.

PO8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9: Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10: 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.

PO11: 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.

PO12: 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.