PROGRAMME SPECIFIC OUTCOME

Computer Science Engg.

PSO 1: Model Computational Problems by applying mathematical concepts and design solutions using suitable data structures and algorithmic techniques

PSO 2: Design and develop solutions by following standard software engineering principles and implement by using suitable programming language and platforms

PSO 3: Develop system solutions involving both hardware and software modules

Electronics and Instrumentation Engg.

PSO 1: Graduates apply the knowledge of mathematical and physical science to solve problems in Control Engineering, Process Control, Robotics and Automation.

PSO 2: Graduates are capable of handling and applying modern engineering tools, software for Industrial Automation

PSO 3: Graduates are capable of working in teams in industrial environment, research laboratory and carrying out major Industrial projects

Computer Science Applications

PSO 1: Enable the students to select the suitable data models, appropriate architecture and platform to implement a system with good performance.

PSO 2: Enable the students to design and integrate various system based components to provide user interactive solutions for various challenges

PROGRAMME EDUCATIONAL OBJECTIVES

Electronics and Instrumentation Engg.

- To produce graduates having a strong background of basic science, Mathematics & Engineering and ability to use these tools.
- To produce graduates who can demonstrate technical competence in the field of electronics and communication engineering and develop solutions to the complex problems.
- To produce graduates having professional competence through life-long learning such as advanced degrees, professional skills and other professional activities related globally to engineering & society

Computer Science Engg.

- Provide engineering insight to problem solving to succeed in Technical Profession through precise education and to prepare students to excel in postgraduate programs.
- To provide students with fundamental knowledge and ability to expertise in Computer Science and Engineering.
- Prepare students with good scientific and engineering breadth so as to analyze, design and create products, solutions to problems in the area of Computer Science and Engineering.
- To inculcate in students professional, effective communication skills, team work, multidisciplinary approach and an ability to relate engineering issues to broader social context

ME Power Systems

- Prepare students to meet the demands of contemporary industrial requirements and successfully engage them in appropriate careers.
- Connectivity in learning and professional improvement.
- Develop technical leadership qualities with ethicality

PROGRAMME OUTCOME

PO'S	PROGRAMME OUTCOME
Engineering Knowledge:	Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.
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
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.
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.
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
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.
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
Ethics	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
Individual and team work	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
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
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.
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.