



Department of Computer Science Engineering

PROGRAM OUTCOMES (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 conclusions

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.

Program Specific Outcomes (PSOs)

PSO-1 The ability to understand, analyze and develop computer programs in the areas related to algorithms, system software, networking and embedded computing, web design, and data analytics for efficient design of computer-based systems.

PSO-2 The ability to understand the evolutionary changes in computing technologies, apply standard practices and strategies in software project development and testing using various programming environments to deliver a quality product for business, real world problems and meet the challenges of the future.

Program Educational Objectives (PEOs)

PEO-1 Graduates of the program can be an eminent Engineering Professional to engage in professional activities, commit to team work and adapt to an ever changing global technical environment.

PEO-2 Graduate can have effective oral and written communication of technical and managerial information to analyze and solve Computer Science and Engineering problems through the fundamental knowledge of Mathematics, Science and Engineering.

PEO-3 Graduates can able to design and develop innovative solutions for real life problems in Computer Science and Engineering field and related domains.

Department of Electronics and Communication Engineering

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Program Specific Outcomes (PSOs): SCHEME - 2015

PSO-1 Should be able to associate the learning from the course related to signal processing, embedded and communication system to arrive at solution to real world problems.

PSO-2 Should have the capability to comprehend the technological advancement in the usage of modern design tool to analyze and design subsystems/processes for a variety of application

Program Specific Outcomes (PSOs): SCHEME - 2017

PSO-1 Specify, design, build and test analog, digital and embedded systems for signal processing

PSO-2 Understand and architect wired and wireless analog and digital communication systems as per specifications and determine their performance.

Program Educational Objectives (PEOs)

PEO-1 Inculcate in students the professional attributes, ethics, communication skills, Team work in their profession and adapt to current trends by engineering lifelong learning.

PEO-2 Design appropriate systems to analyze real time problems and to provide solutions that are technically solved, economically feasible and socially acceptable.

PEO-3 Excel in the professional carrier and/or higher education by applying the knowledge in the fields of Electronics & Communication Engineering.



Department of Electrical and Electronics Engineering

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Program Specific Outcomes (PSOs)

PSO-1 To perform different areas of analysis, design and simulation in the field of Electrical & Electronics through computer based system for various problems associated.

PSO-2 Ability to imply the knowledge in the field of Electrical & Electronics Engineering in Societal and Environmental Context with Ethical and Management Principle

Program Educational Objectives (PEOs)

PEO-1 To accomplish success in electrical and electronics engineering areas or interdisciplinary fields that require investigative and proficient skills.

PEO-2 To kindle students to contribute their qualified ideas in various fields of professions and to excel them in leadership qualities in technical world.

PEO-3 To instill in students, proficient mind-set, effectual communication skills and ability to thrive in multi-disciplinary in different fields.

PEO-4 To encourage students to pursue proficient improvement, including continuing or higher education relevant to their career growth and to produce eagerness for life-long learning.



Department of Mechanical Engineering

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Program Specific Outcomes (PSOs)

PSO-1 Correlate knowledge of mechanical engineering with industrial practices and standards by exposure to industries / institutions / interventions.

PSO-2 Analyze, design and evaluate mechanical components and systems.

Program Educational Objectives (PEOs)

PEO-1 To prepare students with overall knowledge in Mechanical Engineering and also in the fields of Mathematics, Science and Computing skills and enabling them to understand specific problem areas and finding the optimum solutions for the same.

PEO-2 To prepare Mechanical Engineering graduates for Higher education in engineering, management to succeed in core design, thermal, manufacturing, management or software profession through quality education.

PEO-3 To prepare students to attain effective communication, leadership, team building, problem solving, decision making skills, and software and creative skills by understanding contemporary issues there by contributing to their overall personality and career development.