PEO #	Program Educational Outcome
PEO 1	Students will become professionals capable of applying core principles of Computer Science and Engineering to solve real-world problems using emerging technologies.
PEO 2	Students will pursue successful careers as professionals, innovators, or entrepreneurs, including software development, system design, and technology implementation, contributing to industry advancements.
PEO 3	Students will demonstrate ethical practices, social responsibility, and an awareness of the societal impacts of emerging technologies, ensuring their work aligns with global development goals.
PEO 4	Students will engage in interdisciplinary collaborations with peers from diverse fields, enhancing their problem-solving capabilities and contributing to the technological, economic, and social growth of the country.

PO #	Program Outcome
PO 1	**Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialisation for the solution of complex engineering problems.
PO 2	**Problem analysis:** Identify, formulate, research literature, and analyse complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
PO 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 public health and safety, and cultural, societal, and environmental considerations.
PO 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.
PO 5	**Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.
PO 6	**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.
PO 7	**Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
PO 8	**Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
PO 9	**Communication**: Communicate effectively on complex engineering activities with the engineering community and with the 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.
PO 10	**Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
PO 11	**Life-long learning:** Recognise the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PSO #	Program Specific Outcome
PSO 1	An ability to design and develop software solutions to address complex engineering problems across various domains using core computer science and engineering principles.
PSO 2	An ability to apply advanced algorithms to optimize system performance and enhance decision-making processes, and drive efficiency in a wide range of applications.