PEO #	Program Educational Objective
PEO 1	Students will become leaders and practitioners in the field of Computer Science and Engineering, utilizing AI and ML technologies to address complex real-world challenges and drive innovation in industry.
PEO 2	Students will pursue successful careers as professionals, innovators, or entrepreneurs, contributing to the development, deployment, and implementation of cutting-edge AI-based technologies and systems across various sectors.
PEO 3	Students will function with a strong sense of social responsibility, ensuring their work in AI and ML aligns with ethical practices and addresses the societal impact of emerging technologies.
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 AI-driven solutions to address complex engineering challenges
PSO 2	An ability to implement advanced machine learning models for effective decision-making processes and optimize performance.