



**HOLY CROSS COLLEGE (AUTONOMOUS)
TIRUCHIRAPPALLI – 620002**

**SCHOOL OF MATHEMATICAL COMPUTATIONAL AND
INFORMATION SCIENCES**

B.Sc. ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING



PROGRAMME OUTCOMES (PO)

PO1	Disciplinary Knowledge: Demonstrate a comprehensive understanding of the fundamental concepts, theories, and algorithms in artificial intelligence and machine learning.
PO2	Communication Skills: Communicate effectively about AI and ML concepts, techniques, and solutions to both technical and non-technical stakeholders.
PO3	Problem Solving: Design and develop intelligent systems that are robust, adaptable and effective in solving complex problems.
PO4	Analytical Reasoning: Analyze complex data sets, identify patterns, and draw meaningful insights using AI and ML techniques, contributing to data-driven decision-making.
PO5	Research-related Skills: Collaborate effectively in interdisciplinary teams, contributing to research projects or industry applications involving AI and ML.
PO6	Employability and Entrepreneurship: Develop proficiency in programming languages, tools, and libraries used for implementing AI and ML models, and deploying them in real-world applications.
PO7	Moral and Ethical Awareness/Reasoning: Demonstrate an understanding of the ethical, social, and legal implications of AI and ML technologies, and develop responsible and unbiased systems.
PO8	Critical thinking: Apply critical thinking and reasoning skills to evaluate the strengths and limitations of AI and ML models, and make informed decisions in various contexts.
PO9	Lifelong Learning: Develop a lifelong learning attitude to stay updated with the rapidly evolving field of AI and ML, and adapt to new technologies, techniques, and applications.

PROGRAMME SPECIFIC OUTCOMES (PSO)

PSO1	Acquire proficiency in utilizing AI and machine learning frameworks, libraries, and tools for developing and deploying intelligent systems that can automate tasks, extract insights from data, and solve complex real-world problems.
PSO2	Develop expertise in applying machine learning algorithms and techniques for building intelligent systems and applications across various domains.
PSO3	Create innovative solutions by integrating AI and machine learning technologies with other emerging fields for enhancing user experiences and driving technological advancements.