

Program: M.Tech. (Artificial Intelligence & Data Science)

Program Educational Objectives

PEO-1	Design, develop and implement intelligent systems to solve complex real-life problems using advanced knowledge of AI, Data Science, and similar technologies
PEO-2	Pursue successful careers in industry, research organizations, or establish startups in AI and Data Science, adapting to evolving technological trends
PEO-3	Demonstrate leadership, teamwork, and project management skills while working in multidisciplinary environments in academia, industry, or entrepreneurship
PEO-4	Exhibit effective communication skills, execute profession with ethical responsibility, considering societal, environmental, and legal implications of AI and data-driven technologies
PEO-5	Conduct research, innovation, and lifelong learning, contributing to advancements in ML, big data analytics, and intelligent decision-making systems

Program Articulation Matrix

PEO	PEO-1	PEO-2	PEO-3	PEO-4	PEO-5
Mission Statements					
To impart effective education at graduate levels in the field of Computer Science and Engineering.	3	2	1	1	2
To conduct Research and Development and offer consultancy services.	2	2	2	-	3
To improve continuously the quality of teaching-learning process.	2	1	1	1	3
To strive steadily for the overall growth and development of intellect and personality of the students who, as professionals, would be confident to face the challenges of the world.	1	2	2	2	1
To empower the faculty and staff for overall development of students.	2	3	2	2	1

v1 - Slightly;

2 - Moderately;

3 - Substantially

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Program Outcomes

PO-1	Solve complex problems by applying the advanced techniques of AI, and data science.
PO-2	Develop efficient AI-based and data-driven solutions by analyzing the real-world problems
PO-3	Develop novel models/algorithms by conducting independent research, and contribute to advancements in AI and data science.
PO 4	Use state-of-the-art frameworks, platforms, and tools for model development, and deployment through data analysis.
PO-5	Understand data privacy, bias, and fairness related ethical issues and apply responsible AI practices.
PO-6	Work in teams, communicate effectively, and manage multidisciplinary projects efficiently.

Mapping of Program Outcomes (PO) With Programme Educational Objectives (PEO)

PO	PEO-1	PEO-2	PEO-3	PEO-4	PEO-5
1	3	2	1	-	-
2	3	2	1	-	1
3	3	2	-	-	3
4	3	2	1	1	-
5	2	1	3	2	1
6	2	1	2	3	2