

About Xaviers:

St. Xavier's College, Ahmedabad, established in 1955, offers programmes in Arts-Humanities, Sciences, Computer Sciences and Commerce. Being one of the first colleges in the state of Gujarat to have been accredited by NAAC in the year 2001 with five stars, it has thereafter been an impetus to maintain a continuum of quality education and grow with every accreditation and the Autonomy status. The academic autonomy has allowed the institution to foray into higher realms of education.

About the Data Science Department

The Department has been established with an objective to offer academic and industry relevant programmes in emerging disciplines like Big Data Analytics, Machine Learning and Artificial Intelligence. Data Science initially introduced as a broader vision for theoretical statistics, later on focussed into a more applied, data-centric architecture. From a multi-disciplinary field, now data science is emerged as one of inevitable field, which integrated elements of machine learning and statistical computing particularly aims to train data aspirants to extract meaningful insights from data, build models and contribute to advancements in scientific and business research.

The department adopts a variety of teaching and learning methods like lectures, discussions, student centered and technology enhancement learning. It also includes hands-on learning experiences, such as laboratory work or practical classes, that allow students to apply theoretical knowledge in real-world contexts.

Undergraduate programme in Artificial Intelligence and Machine Learning

The BSc. in Artificial Intelligence (AI) & Machine Learning (ML) program provides a solid foundation in AI & ML, blending theory with practical experience. Aligned with the National Education Policy (NEP), it meets the rising demand for AI professionals across various sectors like healthcare, finance, and robotics. Key subjects include Python Programming, Data Science, and AI Fundamentals, fostering coding and analytical skills. Through practical projects, internships, and industry collaborations, students gain real-world experience. Guided by expert faculty, the program encourages critical thinking, innovation, and entrepreneurship, preparing graduates for careers in AI, data analysis, and research.

Postgraduate Programme in Artificial Intelligence

The Masters Programme in Artificial Intelligence (M.Sc. AI) is an integral part of the Department of Data Science. AI augments human capabilities, accelerates discoveries, and unravels complex phenomena that were previously challenging. Our course will impart advanced computational methods that enable to identify patterns, extract meaningful insights, and make predictions with unprecedented accuracy. Postgraduate course in AI enables students to explore exciting careers at national and international research laboratories related to the diverse branches of AI, as well as at academic institutions, space organization, meteorology departments, medical industry, electronics industry, public services, the armed forces etc.



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