GUJARAT UNIVERSITY

M.Sc. (Integrated) in Artificial Intelligence & Machine Learning (Five years full time)

About Gujarat University

Gujarat University is the oldest and biggest university of the state established on 23rd November 1949. The University is spread on 260 acres of land situated in the heart of Ahmedabad city. The number of affiliated colleges is 286; recognized institutes are 22 and approved institutions are 24. There are 36 postgraduate university departments and 221 PG centres. There are 14 faculties offering various courses. Gujarat University is an affiliating university at the undergraduate level, while it is teaching one at the post graduate level. Gujarat University has developed phenomenally in the last 67 years to be recognized as a premier university in the country today. It provides education in one of the widest range of disciplines to about two lakh students.

About the Artificial Intelligence (AI) & Machine Learning (ML) Profession:

With the increasing need for intelligent and accurate decision making, there is an exponential growth in the adoption of AI and ML technologies. The Artificial Intelligence industry will be worth $1.2 trillion in 2018, with customer experience solutions creating the most business value. Artificial intelligence describes a machine that is capable of imitating and performing intelligent human behavior. Some of these tasks could include problem-solving and decision-making or specific activities requiring acute perception, recognition, or translation abilities. Thus there is a wide scope in the field of AI-ML. Today's world focuses on computer based accurate decision making process, where AI & ML is key to such solution.

Program objectives:

Artificial Intelligence & Machine learning methods based in different fields, including neural networks, signal processing, control, and data mining, in order to present a unified treatment of machine learning problems and solutions. This program will focus on real time problem solving using AI & ML methods. AI-ML is the theory and development of computer systems to be able to perform tasks normally requiring human intelligence, such as visual perception, speech recognition, and neural network, decision-making. Machine Learning (ML) makes it possible for machines to learn from experience, adjust to new inputs and perform human-like tasks. Classroom training in this course will also help students to be industry ready with better career perspectives.

Number of seats: 60

Duration of the Program: 5 years (spread over ten semesters)

Students will have an option to take exit after three years with a B.Sc. in Artificial Intelligence and Machine Learning (with honours) degree

Course Fees: (per semester)
Semester 1 to 6 : Rs. 37,600/-
Semester 7 to 10: Rs. 37,600/--

Minimum Eligibility (who can apply):

Students with a minimum of 10+2 years of formal education in Science or Commerce with Mathematics/Statistics/Accountancy/Physics/Chemistry/Biology at the 10+2 level.

The admission process will be through Gujarat University Admission Committee – 2019 under the B.Com Portal. Interested candidates have to select this course from online admission portal. The admission will be on merit basis.

Contact for any query:

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CAREER OPPORTUNITIES

Artificial Intelligence and Machine Learning

In recent years, careers in artificial intelligence (AI) have grown exponentially to meet the demands of digitally transformed industries. While there are plenty of jobs in artificial intelligence, there's a significant shortage of top tech talent with the necessary skills. The demand for AI skills has more than doubled over the past three years. Typical jobs include AI based software development, Data Scientist, Machine Learning engineer, automation engineer and AI research scholar.

The role of a machine learning engineer is at the heart of AI projects. However, it's also necessary to be an AI programmer and demonstrate a thorough understanding of multiple programming languages.

Machine learning engineers should also be able to apply predictive models and leverage natural language processing when working with enormous datasets.
To get hired, it will help if candidates are highly experienced with agile development practices and familiar with leading software development tools.

Preference is often given to technology professionals with strong mathematical skills. Most AI & ML careers also require candidates to be experts in machine learning, deep learning, and neural networks, with strong computer programming skills, analytical skills, and experience with cloud applications.