

Artificial Intelligence Overview

Artificial Intelligence & Data Science department has well experienced faculty members and infrastructure with an increasing demand in the Global market over the last few years. Building human-level thought processes through the creation of artificial intelligence (AI) is the state-of-the-art in Computer Science. Intelligent machines are influenced by emerging technologies, smart devices, sensors, computing power, faster data processing, huge storage and human-machine interaction capabilities.

Course Overview

B.Tech. in Artificial Intelligence and Data Science is a bachelor's program offered at Velammal Institute of Technology having a comprehensive coverage of core fundamentals of computer engineering along with coverage of applied mathematics used in data science and artificial intelligence. With the advent of Artificial Intelligence & Data Science, Students are transformed to industry ready professionals by building smart machines with cutting edge technologies.



Artificial Intelligence (AI) is a rapidly advancing technology, made possible by the Internet that may soon have significant impacts on our everyday lives. AI traditionally refers to an artificial creation of human-like intelligence that can learn, reason, plan, perceive, or process natural language. Building human-level thought processes through the creation of artificial intelligence (AI) is the state-of-the-art in Computer Science.



Data science continues to evolve as one of the most promising and in much demand career paths. Today, successful data professionals understand that they must advance past the traditional skills of analyzing large amounts of data, data mining, and programming skills. Twinned with Artificial Intelligence, more efficient solutions to find meaningful information from huge pools of data are possible today, with data from multiple sources - sensors, images, streaming video, satellite, medical imagery and the cloud.

The curriculum targets technical, Analysis and design skills, which are competent to master strategic analytical methods, tools, and data management, with the objective of creating innovative strategies to solve challenging real-world problems.

Core Courses

- Artificial Intelligence
- Machine Learning Techniques
- Neural Networks and Deep Learning
- Reinforcement Learning
- Data Visualization and Presentation
- Information Retrieval and Text Analytics
- Social Network Analysis
- Real Time Data Streaming
- Data and Information Security



Vast career opportunities exist in private companies, public organizations, and health care industry, education and government institutions.

AI and Data Science Career prospect Domains



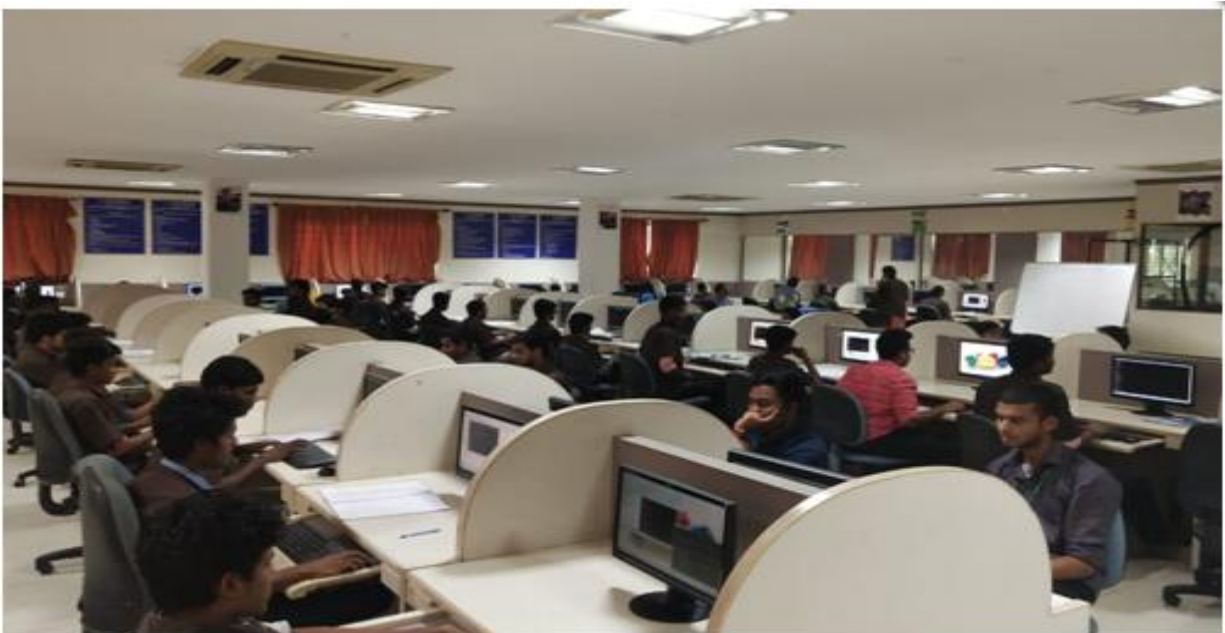
Job Roles in Industries

Top 10 Artificial Intelligence and Data Science Jobs as on 2020

JOB TITLE	** SALARY / ANNUM
Data Scientist	₹ 14 Lakhs
Artificial Intelligence Manager	₹ 13 Lakhs
Data Architect	₹ 12 Lakhs
Artificial Intelligence Architect	₹ 11 Lakhs
Data Engineer	₹ 11 Lakhs
Artificial Intelligence Developer	₹ 10 Lakhs
Artificial Intelligence Consultant	₹ 9.7 Lakhs
Artificial Intelligence Analyst	₹ 8.5 Lakhs
Business Analyst	₹ 7.9 Lakhs
Data Analyst	₹ 7.4 Lakhs

Source : Glassdoor ** Average Salary

Top Core Companies working in Artificial Intelligence and Data Science





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