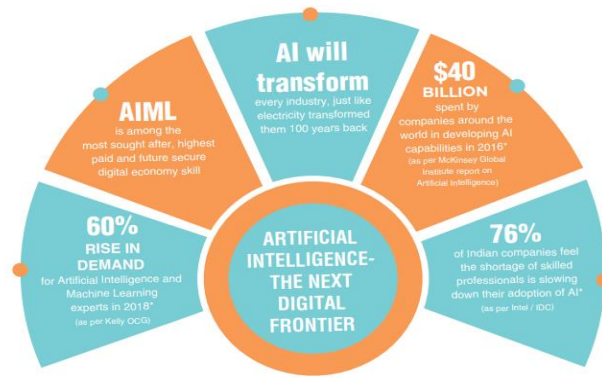


INDUSTRY READY AI & ML @ B.TECH / M.TECH 4.0

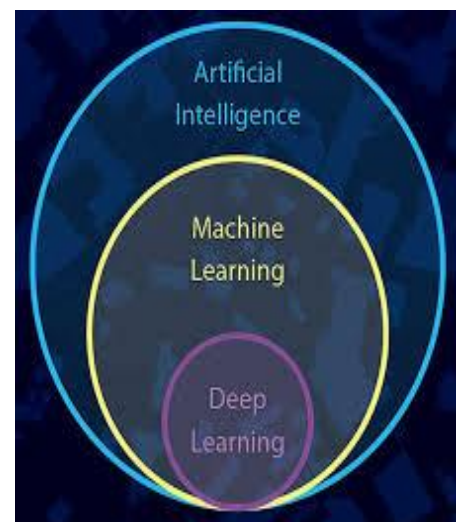
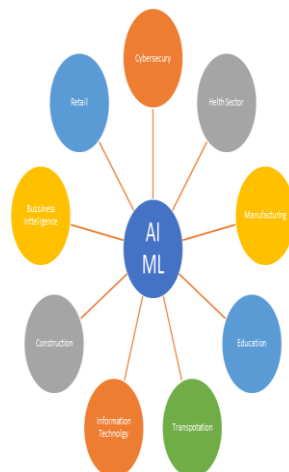
COURSE TITLE	Artificial Intelligence & Machine Learning
COURSE IMAGE	
COURSE DESCRIPTION	<p>With the Artificial Intelligence (AI) and Machine Learning (ML) being increasingly used in the Industry 4.0 for automating the work process, all the Industries across various sectors will require skilled professionals with a strong foundation of Artificial Intelligence and Machine Learning</p> <p>ABOUT THE PROGRAMME</p> <p>B.Tech/M.Tech Computer Science (AI&ML) is a program designed with a robust pedagogy for building skills that will groom students for a rewarding career in a very high growth domain. The huge amount of data available has inspired the industries to move towards data driven decision making and therefore there is a huge demand for experts in the area of Artificial Intelligence and Machine Learning. There are many new applications designed in various areas like retail, banking, agriculture, hospitality and manufacturing and hence there is a high demand for skills in these areas. A solid foundation in core concepts of AI and ML will get the students ready for the upcoming changes in the ecosystem of the technology industry.</p> <p>SYLLABUS FOR B.TECH / M.TECH - CSE (AI & ML)</p> <p>The Curricula is created with an intent to educate the Engineering students on cutting edge technologies. The Courseware equips the students with Mathematical Foundations, Statistical Foundations, Machine Learning, Neural Networks & Applied Artificial Intelligence</p> 



- World Economic Forum –133 million new jobs will have been created by AI by 2022.
- Markets and Markets –By 2022, the expansion in Machine Learning market size is going to be USD 8.81 Billion
- Gartner - AI/ML is predicted to pave the way for on the brink of 2.3 million jobs by the year 2026.
- Zion Market Research –Global Machine Learning market size will have grown to\$ 20.83 Billion by 2024

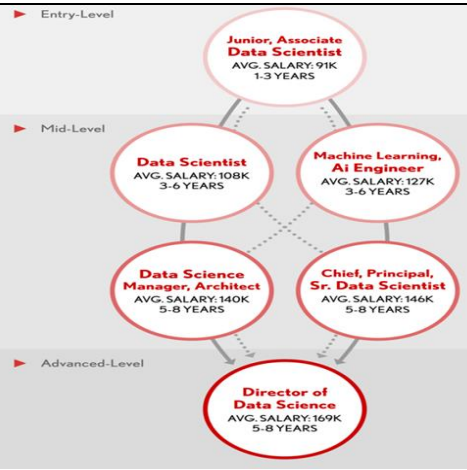
The domestic demand for this emerging technology has been buoyant and the Government of India has appointed a task force to accelerate the growth in this sector. The task force aids boosting the AI sector in India, develops the AI technologies and infrastructure, works in consonance with the private sector for data storage, usage and research. The task force also focuses on developing the smart cities, harnessing power and water infrastructure and even extending its services for crop management and fighting terrorism. The Government has a plan to deploy AI in 10 sectors in India including Manufacturing, Health care, Agriculture, Education and Public Utilities.

AI is making it easier for people to do things every day, whether it’s searching for photos of loved ones, breaking down language barriers in Google Translate, typing emails on the go, or getting things done with the Google Assistant. AI also provides new ways of looking at existing problems, from rethinking healthcare to advancing scientific discovery.

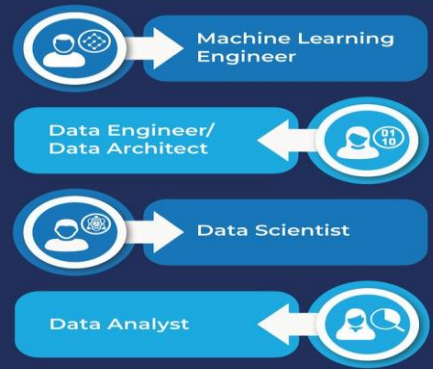


COURSE RANGE

SALARY



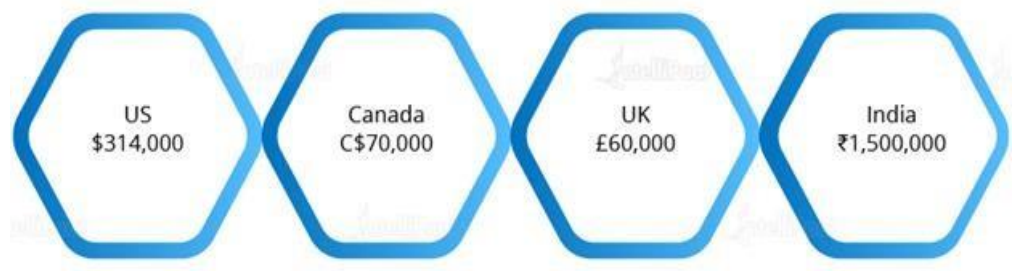
MACHINE LEARNING JOB ROLES



Top Highest Paying Companies for AI Engineers in the US



Salary of an AI Developer by Geography



- ✓ Average salary in abroad \$ 1,14,826/year
- ✓ Average yearly salaries in India is Rs.3.6 L to 15.2 L

COURSE JOB ROLES

Best Job Roles in Artificial Intelligence

01	02	03	04	05
<p>AI Developer</p> <ul style="list-style-type: none"> Provides solutions to various issues using AI and programming. Responsible for designing, developing, and deploying AI-based systems. 	<p>AI Architect</p> <ul style="list-style-type: none"> Responsible for putting AI systems in operation and managing them. Creates the required infrastructure and managing the compute needs of the systems. 	<p>Machine Learning Engineer</p> <ul style="list-style-type: none"> Expected to be subject matter expert in their sub-field. Should be capable of devising AI solutions and applying the right solution to a problem. 	<p>Data Analyst</p> <ul style="list-style-type: none"> Directly focuses on deriving insights from data using machine learning as a tool. Performs data analysis and presents the results in a way that is easy for stakeholders to perceive. 	<p>Data Scientist</p> <ul style="list-style-type: none"> Uses machine learning to derive meaningful insights from data. Makes heavy use of statistics to identify patterns in collected datasets.

COURSE PROMINENT
JOB COMPANYS

TOP COMPANIES HIRING B.TECH / M.TECH – CSE (AI & ML)

 Microsoft	 amazon	 Google	 YAHOO!	 Flipkart
 Cognizant	 D&L	 hp	 IBM	 Capgemini
 Adobe	 Infosys	 accenture	 M&E	 Fractal
 ORACLE	 intel	 Standard Chartered	 M&E	 Zomato
 Deloitte	 McKinsey & Company	 BARCLAYS	 yatra	 RIL
 TARGET	 HCL	 PHILIPS	 SONY	 Hindustan Unilever
 Honeywell	 NOKIA	 vmware	 SAP	 SIEMENS
 KPMG	 htc	 Deutsche Bank	 QUALCOMM	 UC Mu sign
 TAJ	 verizon	 Jio	 EY	 Mahindra