B-Tech CSE in Artificial Intelligence & Machine Learning

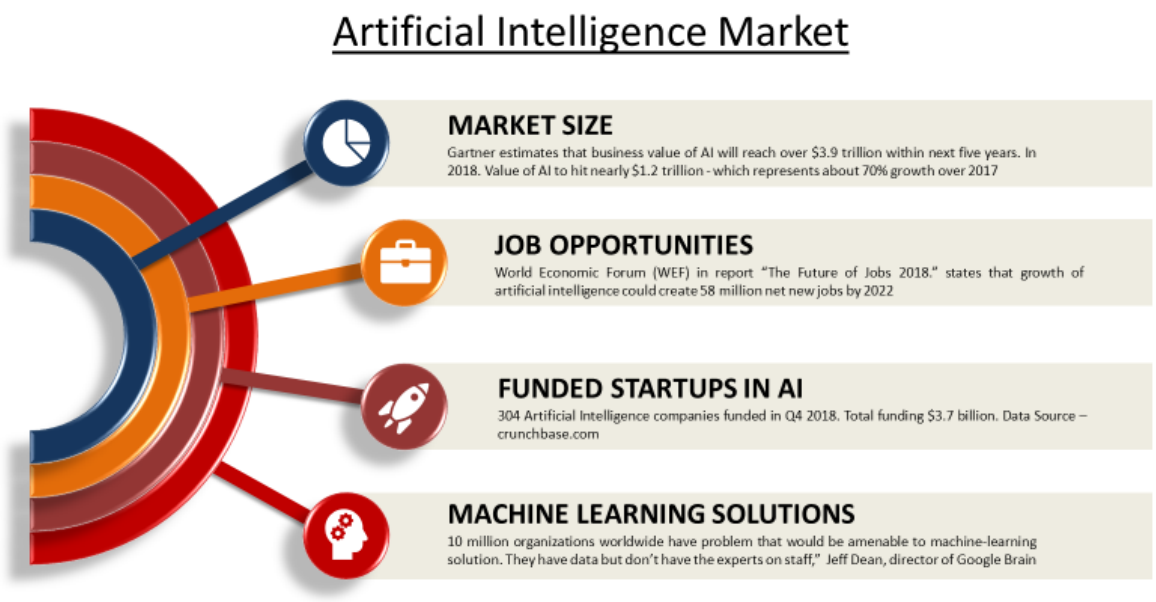
Artificial Intelligence and Machine Learning are the future of growth. Artificial Intelligence has the potential to fuel the growth of the world economy. A research by Accenture reveals that AI could double the annual economic growth rate by 2035. AI will change the nature of work and create a new relationship between man and machine.

The increased demand for AI led industry revolution has developed a need of creating a pool for trained resources. Samatrix.io has developed an advanced curriculum with the help of industry experts. After the completion of the course, the students can apply for various jobs such as data analysts, data scientists, and Artificial Intelligence engineers. Our course focuses on developing the key understanding of Linear Algebra and Statistics that are the foundation of Artificial Intelligence and Machine Learning concepts. The foundations of Python are covered to develop a strong base in programming. With the help of examples and projects, we help develop the competency in Reinforcement Learning, Neural Networks, Deep Learning, TensorFlow, Random Forest, and Boosting. Our course will give the learner a leverage not only during initial employment but also during career progression.

The graduate Engineering programmers in Data Science, Artificial Intelligence & Machine Learning at JECRC University are about providing an innovative education filled with discovery, and dissemination of knowledge.
The programmers allow fresher's to gain a practical understanding of different Artificial Intelligence & Machine Learning functions and to grow individual networks through cross-functional relationships. From Artificial Intelligence & Machine Learning engineering , there are various programmes for the students' addressing their interest.
Students get to learn under the supervision of highly adept and experienced faculty teams developing the skills you need to succeed and make a valuable contribution right from the start. The graduate & post graduate engineering programmes encourage students to think with internal perspective and design solutions that meet human and social needs and to create an economic value that helps them to sustain in this competitive environment

Program Highlights:

1. Full time Program offered by only JECRC University in Jaipur.
2. Face to Face sessions in University Campus by Industry expert only. No Online or Webinar.
3. Artificial Intelligence(AI) & Machine Learning(ML) starting from 1st Semester till final Semester.
4. AI & ML from Industry experts only.
5. Certification Courses and Project based learning.
6. Practicals & Project Oriented program.
7. Gain Hands on experience with machine learning components, intelligent reasoning & various other AI tools & technologies.
8. Program in collaboration with Samatrix consulting Pvt Ltd. Gurgaon which is backed by a Strong R&D team.
9. Acquire ability to design models, intelligent solutions in variety of domains & business applications
10. Career development Classes from first semester for overall development of students.
11. Excellent Result, Placement and University Rank holders.



Artificial Intelligence Impact on Economy

Gross Value Add
$14 trillion: Additional gross value added across 12 economies and 16 industries by 2035 due to new factor of production - AI

AI In Retail
Worldwide spending on AI in retail in 2025, up from $712.6 million in 2016

AI Chipsets
$59.26 billion: Worldwide spending on AI chipsets in 2025, up from $7.06 billion in 2018

Automotive
$215 billion: The size of the artificial intelligence–enabled opportunity for the automotive industry by 2025

New Skills
375 million: The number of workers around the world that may need to switch occupational categories and learn new skills because of AI

Spending on AI
$52.2 billion: Worldwide spending on cognitive and artificial intelligence systems in 2021

AI Software
$89.8 billion: Worldwide AI software revenues in 2025, up from $3.2 billion in 2016

Robotics
Robotics investments in October 2018 totalled at $1.24 billion with a 23 verified investments

Artificial Intelligence Industry Impact

Learning Centred Pedagogy

Samatrix.io

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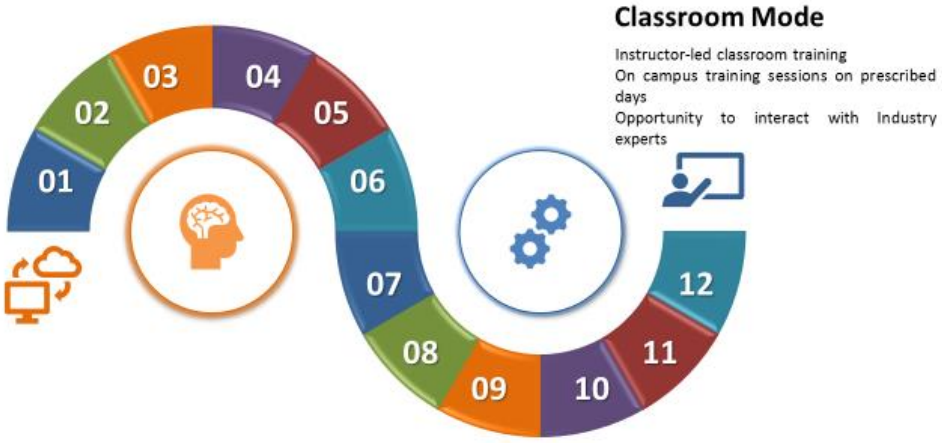
Program Delivery Mode



About Samatrix Consulting Pvt Ltd

Samatrix Consulting Pvt Ltd is a technology company, led by IIT, IIM, Intel, HP alumni with deep industry expertise. It focuses on solving real business problems and developing the ecosystem through skill development in cutting-edge technologies.

We have domain expertise in Artificial Intelligence, Machine Learning, Internet of Things (IoT), Big Data, Data Visualization, Augmented Analytics, Blockchain, and Virtual Reality. We cater to finance, insurance, travel, logistics, media, entertainment, and e-commerce domains. Samatrix Consulting Pvt Ltd was founded with an objective of democratizing Artificial Intelligence and Machine Learning by solving the critical business problems and assimilate the technical know-how among the students, teachers and professionals, with an objective to bring the benefits of artificial intelligence and machine learning to everyone.

By harnessing the explosion in computational power and digital data, the organisation has been focusing to develop state-of-the-art solutions and algorithms to enable natural interaction between human and machine that can augment and enhance human skills and agility. To harness the power of intelligent machines, it actively engages with research community by conducting technical conferences and workshops, and collaboration with universities and technical institutions in India.It is research groups include colleagues from industry and academia cover all the topics related to artificial intelligence to understand and make progress in matters of AI.

About Samatrix Core Team

Vishal Jain (AI/ML/DL/Blockchain)

Vishal is a business leader with 20 years of experience in managing complex global projects, problem solving, and building growth teams. He is an entrepreneur and he is successfully running an e-commerce company. During his tenure with Intel Technology India Pvt Ltd, he managed global teams and projects in Business Intelligence, data analytics, data storage, Google search, enterprise portal and HR domains.He has worked in go-to market strategy, marketing, product development, operations and enterprise IT architecture in Hi-Tech, gaming and retail domains. He is an alumn of IIT Kharagpur and IIM Ahmedabad

Sunny Pathak (Data Science/Analytics/Visualization/Consumer behavior Analytics/Strategy)

Sunny is a former Business Consultant & Analytics & Visualization expert having 10 Yrs exp and worked with prestigious companies like FICCI, MobiKwik, Samsung, DDB Mudra Group OMNICOM, INTEX & FRANCHISE INDIA, REMAX LLC rich experience.Sunny is an expert as Research Scientist, Industry Lifecycle, Consumer Behaviour, Strategy/Mentor in Big Data, Visualization, Analytics, Idea Generation, Marketing Analytics, Boost up, and Career Coach.He

has worked extensively in domains such as Sales Analyst and Forecasting expert, Market Research, Brand positioning, Data strategies, Consumer behaviour Analytics and Pricing for clients in various sectors like Payment solution, E-commerce, Advertising Agency, Automotive, Banking, Hi-tech, Pharma, Telecom & Mobile, Consumer Durable and Electronics.

Mr Mayank (AI expert from University of Edinburgh UK)

Mayank is MSc in Artificial Intelligence from University of Edinburgh UK. He is B Tech from University of Delhi. He has an experience of 3 years in Artificial Intelligence, Robotics and IoT based apps. His areas of interests in research are in the fields of deep learning, robotics, and driver less cars.

FAQ:

- What is B.Tech Artificial Intelligence & Machine Learning, Data Science?

This 4 year undergraduate course of Computer Science & Engineering with specialization in AI & Machine Learning is designed to make the professional technically sound in advanced learning systems that are based on algorithm of Artificial Intelligence. This programme develops the skills of creating fastest working apps or solutions integrated with analytical information ensuring 100% accuracy in the output.

- Where do you see AI & Data Analytics?

AI is everywhere. Practical applications of AI are found in the home, the car (driverless car), the office, the banks, the hospitals, the sky, the internet including the Internet of Things. Some applications such as robots sent to the Moon and Mars or satellite orbiting in space are outside our planet. Hollywood animations, video and computer games and Google's search engine are also based on AI techniques. Financiers use AI to predict movements on the Stock market. AI applications help the national governments guide the policy decisions in health, agriculture, and transport.

- Scope of Artificial Intelligence & Machine Learning?

Artificial Intelligence market is expected to grow from USD 21.46 Billion in 2018 to USD 190.61 Billion by 2025.Machine Learning (ML), globally recognized as a key driver of digital transformation, will be responsible for cumulative investments of $58 billion by the end of 2021.Neural networks market will be worth over $23 billion in 2024.

It is not needed to be mentioned that AI has now penetrated in all the horizons of service sector. There is rarely any field which is untouched by Artificial Intelligence hence generating lakhs of vacancies for skilled professionals by 2021.

- How Students can learn the art of making smart machine using AI & Data Science?

Anyone, who has the willingness to learn analytical, mathematical, statistical and programming skills can learn to develop the Intelligent machines and bring positive impact in the lives of masses by solving problems in various domains such as food production and distribution, environment, and energy.

- What are the career options in Artificial Intelligence & Machine Learning,Data Science?
- Domains which are targeting Artificial Intelligence are mentioned below:

- Medicine: including interpretation of medical images, diagnosis, expert systems to aid GPs, monitoring, and control in intensive care units, the design of prosthetics, a design of drugs.
- Robotics: including vision, motor control, learning, planning, linguistic communication, cooperative behaviour.
- Engineering: fault diagnosis, intelligent control systems, intelligent manufacturing systems, intelligent design aids, integrated systems for sales, design, production, maintenance, expert configuration tools (e.g. ensuring sales staff don't sell a system that won't work.
- Information Management: this includes the use of AI in data mining, web crawling, email filtering, etc. For example, a company in California uses AI to help retailers mine for consumer data by sifting through the ages, postcodes, and buying habits of people who buy goods over the internet. Google is a set of applied artificial intelligence platforms, which are able to 'learn'.
- Space: control of space vehicles and autonomous robots too far from earth to be directly manipulated by humans on earth, because of transmission delays. Nasa uses AI to help plan and schedule space shuttle maintenance.
- Military Activities: this may be the area in which most funds have been spent. It is also not easy to learn about the details.
- Marketing: AI is being used to develop more targeted, relevant, and timely marketing programs to increase customer attrition rates.

- These AI & Data Science programs provide the job profiles:

- Machine Learning Engineer
- Big Data & AI Architect
- Big Data Scientist
- Artificial Intelligence Engineer
- Research Engineer - Artificial Intelligence
- Data and AI Consultant
- Robotics Professional
- Software Engineer
- IoT Architect
- Machine Learning Architect

- Leading Recruiters- Trained professionals are needed by technologically driven companies across the platforms?

- Google
- Amazon
- Facebook
- Swiggy
- MakeMyTrip
- Oracle
- Genpact
- HDFC Bank
- FMCG Companies as they are producing smart machines
- E-commerce companies like Snapdeal/ Flipkart

Does JECRC University Jaipur provide transport facilities?

Yes. JECRC provides Bus facility from almost all corners of the city. Jaipur is a small city with a fine transportation system in order. Being centrally located in the city, the Institute is quite near to all the prime areas of interest in the city.