

## MCA Specialization in Data Science & Analytics

Learn  
Data Science & Data Analytics  
From Day First In MCA  
with JECRC University  
Jaipur

Admissions  
OPEN  
For Session 2020-21

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[www.jecrcuniversity.edu.in/admission/mca-dsda-Samatrix](http://www.jecrcuniversity.edu.in/admission/mca-dsda-Samatrix)

Data Science has gained popularity in the recent past. Data science deals in converting a huge amount of raw data to provide meaningful insights and strategy. The data is gathered from many sources, then it is structured and studied to gain insights. The process of drawing the key insights from structured and unstructured data is known as “Data Science”. The professionals working on gaining such insights and presenting them to key stakeholders are known as “Data Analysts” and “Data Scientists”. Today, data science finds its place in retail, finance, e-commerce, healthcare, and IT services industries.

The graduate & Post graduate Engineering programmers in Data Science 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 Data Science 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 JECRC university in Jaipur
2. Face to Face sessions in University Campus by Industry expert only. No Online or Webinar.
3. Data Science(DS), Artificial Intelligence(AI) & Machine Learning(ML) starting from 1st Semester till final Semester.
4. DS, AI & ML from Industry experts only.
5. Certification Courses and Project based learning.

6. Practical's & 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. Exposure of In-house Incubation Cell nurturing various Start-ups.
12. Excellent Result, Placement and University Rank holders.

## Data Science Market

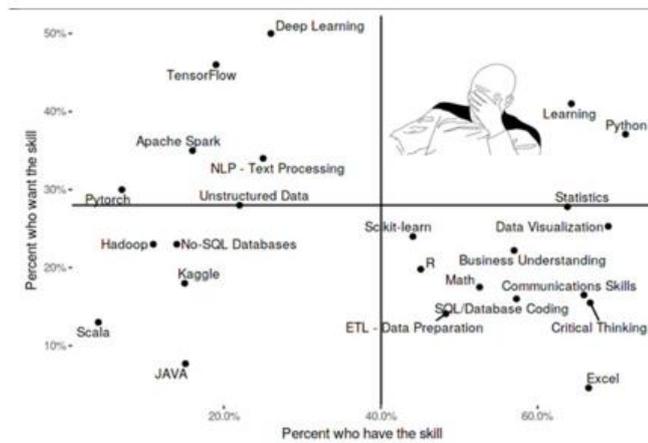


Source: Secondary Literature, Expert Interviews, and MarketsandMarkets Analysis

## Data Science Industry Impact



## The 4 Quadrants of Data Science Skills and 7 Principles



## Program Delivery Mode



### **Classroom Mode**

Instructor-led classroom training  
 On campus training sessions on prescribed days  
 Opportunity to interact with Industry experts

## About Samatrix Consulting Pvt Ltd

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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 assimilating 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 the research community by conducting technical conferences and workshops, and collaboration with universities and technical institutions in India. Its research groups include colleagues from industry and academia covering all the topics related to artificial intelligence to understand and make progress in matters of AI.

## About Samatrix Core Team

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### **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 alumnus 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 Data Science?

Data science can be defined as a blend of mathematics, business acumen, tools, algorithms and machine learning techniques, all of which help us in finding out the hidden insights or patterns from raw data which can be of major use in the formation of big business decisions.

This 3 year postgraduate course of MCA with specialization in Data Science is designed to make the professional technically sound in advanced learning systems that are based on algorithm of data science. This programme develops the skills of creating fastest working

apps or solutions integrated with analytical information ensuring 100% accuracy in the output.

- What does a data scientist do?

More generally, a data scientist is someone who knows how to extract meaning from and interpret data, which requires both tools and methods from statistics and machine learning, as well as being human. She spends a lot of time in the process of collecting, cleaning, and munging data, because data is never clean.

- What is data science for beginners?

Data Science is the area of study which involves extracting insights from vast amounts of data by the use of various scientific methods, algorithms, and processes. ... The term Data Science has emerged because of the evolution of mathematical statistics, data analysis, and big data.

- Is Data Science hard?

No, It's a combination of hard skills (like learning Python and SQL) and soft skills (like business skills or communication skills) and more.

- Does data science require coding?

You need to have the knowledge of programming languages like Python, Perl, C/C++, SQL, and Java—with Python being the most common coding language required in data science roles. Programming languages help you clean, massage, and organize an unstructured set of data.

- Is data scientist a good career?

A Data Scientist, according to Harvard Business Review, “is a high-ranking professional with the training and curiosity to make discoveries in the world of Big Data”. Therefore it comes as no surprise that Data Scientists are coveted professionals in the Big Data Analytics and IT industry.

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

- Big Data & AI Architect
- Big Data Scientist
- Data and AI Consultant
- Software Engineer
- IoT Architect