



MCA

DEGREE PROGRAM

Elective - **Data Science**

FROM THE CHANCELLOR'S DESK



Dr. Chenraj Roychand
Chancellor
JAIN (Deemed-to-be University)

The key to building a successful career is by staying updated with the latest industry-relevant skills. Online learning is a perfect solution to gain these in-demand skills in a flexible learning format. At JAIN (Deemed-to-be University), we've been working towards empowering learners to reach their career goals, by delivering impactful and accessible education.

To address the changing needs of modern professionals, we've launched Jain Online, to make education accessible to all. Fusing competent academic experts and digital innovators, Jain Online seeks to make individuals gain global insights to challenge real-world problems and develop a global network to achieve long-term career goals.

This program is a result of all that work, where we reimagined the learning experience for working professionals. It has been designed to be rigorous enough to impart practical & relevant skills, while still offering the flexibility that professionals need to balance their work schedule. We are eager to see how learners will leverage this opportunity to build bright and rewarding careers.

RANKINGS AND RECOGNITIONS

- NAAC 'A++' Graded University with Graded Autonomy
- Awarded ISO 9001: 2015 certification by TUV India
- Awarded 5 Stars by KSURF in the Young Universities category
- Ranked 6th Private University in India by India Today



Founded in
2008-2009



20,000+ Aspiring
Students



3735
Publications



11 Student
Support Cells



89 International &
National Collaborations



2500+
Recruiters



1000+ Faculty
Members



Students From
43+ Countries

INTRODUCTION

PwC estimates that there are 2.7 million job postings in data science and analytics globally. The Indian data science industry is growing at over 33% and has consistently ranked among the fastest-growing industries. Data science has the potential to transform how companies function, by generating actionable insights that optimize processes and improve profits. That is why the market is particularly receptive to technology professionals who understand the use of data to generate insights and can integrate these data science models into computer systems.

These developments now present a unique opportunity for professionals, provided they demonstrate their expertise in key data science skills. In order to enable professionals to develop both sound computing foundations and an incisive analytical mind, JAIN (Deemed-to-be University) has launched this MCA in Data Science. The program imparts industry-relevant data science skills through a curriculum designed by leading data science academicians, and a project-driven learning approach. Online classes offer a flexible learning experience to meet the needs of working professionals while mentorship from industry experts helps learners to clear learning roadblocks. Towards the end of the program, learners get access to dedicated career support to ensure they have everything they need to build a rewarding career in data science.



WHY PURSUE AN MCA FROM JAIN ONLINE ?

Modern professionals need a flexible learning schedule to meet their upskilling needs, and that's what this online MCA program from JAIN (Deemed-to-be University) offers. That's not the only advantage though - you also:



Learn from top faculty with live and interactive online lectures



Gain the recognition of an MCA degree from a reputed institute



Earn an MCA degree with a future-ready elective in Data Science



Gain practical skills through project-based learning



Become industry-ready with mentorship from experts



Learn alongside a diverse batch of peers for a rich learning experience



Build your skills with a curriculum designed by leading academicians & industry experts



Get dedicated career support



ABOUT THE PROGRAM

MASTER OF COMPUTER APPLICATIONS (MCA)

This two-year program offers foundation courses, core courses, elective courses and a comprehensive master thesis intermediary, apart from an option to pursue a cross-functional and open elective. The core and elective courses incorporate the AICTE's model curriculum as prescribed for a full-time MCA program.

DATA SCIENCE

The 2nd year of the program offers a deep-dive into data science. The program is designed to provide in-depth knowledge and application skills to develop end-to-end data-powered software systems. The curriculum is intended to increase learners' technical and analytical knowledge, thus accelerating their career in data science

PROGRAM HIGHLIGHTS

- 2-Year MCA Program
- Online Learning with Mentorship
- Degree from JAIN (Deemed-to-be University)



WHO IS THIS PROGRAM FOR?

- Professionals & entrepreneurs who want to specialize in data science with minimal disruption to their schedule.
- Professionals who want to build a broad & in-depth skillset in relevant technologies like Python, NumPy, SciPy, Matplotlib, and data visualization tools like Tableau, SQL for ETL, etc.
- Technology professionals looking to further their careers in data science.
- Early-career professionals looking to build data science skills.

AFTER THIS PROGRAM, YOU WILL

- Become a data science expert who can excel in data visualization, mining, developing data powered software systems, and more.
- Perform the role of a data science expert in tech teams.
- Become an ideal candidate for roles such as Data Analyst, Data Scientist, Data Engineer and more.





CURRICULUM

SEMESTER 1*

- Mathematical Foundation for Computer Application
- Operating System & Unix Shell Programming
- Data Communication & Computer Networks
- Data Structures with Algorithms
- Computer Organization & Architecture

SEMESTER 2*

- Relational Database Management System
- Design & Analysis of Algorithms
- Java Programming
- Python for Data Science
- Statistical Methods in Decision Making

SEMESTER 3*

- Application Development using Python
- Advanced Web Technologies
- Data Visualization
- SQL for Data Science
- Data Mining
- Open Elective Course - Effective Communication for Technology Professionals

SEMESTER 4*

- Predictive Analytics using Machine Learning
- Time series Analytics
- Text Mining
- Applied Analytics - Marketing, Web, Social Media
- Cross-Functional Elective Course- Competitive Programming Project

WHY UPSKILL WITH US?

When you choose this program, you also get access to an extensive pool of industry experts and dedicated career assistance.



E-PORTFOLIO

An e-portfolio is a snapshot of all the projects done and skills acquired during the program that is shareable across social media channels. This will help you showcase your expertise to potential recruiters.



RESUME BUILDING AND INTERVIEW PREPARATION

Build your resume to highlight your skills and your previous professional experience. Also, learn how to crack interviews with interview preparation sessions.



EXCLUSIVE JOB BOARD

The program provides candidates access to a Job Board with job opportunities shared by 2300+ organisations, with an average salary hike of 50%.



CAREER GUIDANCE

Get access to career mentoring from industry experts who've transitioned to roles in the industry. Benefit from their guidance on how to build a rewarding career.

GET ACCESS TO 2300+ HIRING COMPANIES

 Microsoft			
			
			
			
 INTELLIGENCE FOR IMAGINATION			
			
			
			
			
			
		AND MANY MORE	

ADMISSIONS

ELIGIBILITY

Candidates must hold a Bachelor's degree (minimum 3 years) from a recognized university with minimum 50% marks (45% in case of SC/ST) in aggregate. Students who are in the final year of their Bachelor's degree are also eligible to apply.



FEE STRUCTURE

Total Program Fee - ₹1,90,000/-*

*T&C Apply

Semester-Wise Fee Plan

I Semester	₹50,000
II Semester	₹50,000
III Semester	₹50,000
IV Semester	₹50,000

Year-Wise Fee Plan

1 st Year	₹1,00,000
2 nd Year	₹1,00,000

One-Time Registration Fee: ₹2,500/- | Examination Fees (Per Year): ₹3,000/-

FINANCIAL AID



We Offer Liqui Loans to Students

- Zero Cost EMI for 24 months
- No Advance EMI
- EMI Options Available for 24 months

READY TO ADVANCE
YOUR CAREER?

APPLY NOW

Speak to a Program Advisor

08047184883

or

Visit our website

online.jainuniversity.ac.in