



JAIN (Deemed-to-be University)

NAAC A++, UGC-Entitled, NIRF #62

MCA

Type

Pg Program

Mode

Distance

Duration

2 Years

Total fees

₹ 56,500

JAIN (Deemed-to-be University)

JAIN (Deemed-to-be University), based in Bengaluru, is a leading institution committed to academic excellence, innovation and holistic development. The University offers diverse programs across engineering, management, commerce, sciences, humanities, design and other disciplines. With a strong emphasis on research, entrepreneurship, sports and industry-focused education, it prepares students for evolving global opportunities. Its vibrant campuses bring together learners and faculty from diverse cultural and academic backgrounds. Through classroom, online and open-distance learning, JAIN provides accessible and future-ready education that empowers students to make a meaningful impact.

MCA

Highlights

- ◆ A work-linked format that makes computer applications, programming, and IT systems more applied through digital study and practical exposure.
- ◆ Learners engage with programming fundamentals, database management, web technologies, and software applications, with emphasis on concepts that can be seen in professional settings.
- ◆ Company-linked or internship exposure helps students understand workplace expectations and role discipline.
- ◆ Flexible structure allows learners to continue academic progress while gaining practical awareness.
- ◆ Builds a more rounded profile by combining knowledge, application, and employability-focused skills, with added focus on workplace relevance.

Learning outcomes

- ◆ Within MCA from JAIN (Deemed-to-be University), relate theories, methods, or tools from programming fundamentals, database management, web technologies, and software applications to software requirements, data workflows, and user-facing digital systems.
- ◆ Address application development, database handling, and technology troubleshooting tasks through structured reasoning and subject-specific approaches.
- ◆ Critically evaluate technology choices that consider usability, performance, and maintainability while maintaining logic, accuracy, security awareness, and user focus.
- ◆ Develop clear programs, database designs, web pages, and technical documentation for assignments, projects, or professional communication.
- ◆ Observe how programming fundamentals, database management, web technologies, and software applications appear in practical settings and use that exposure to build employability awareness, while strengthening workplace relevance.

Eligibility Criteria

The minimum qualification required to be eligible for admission is a Degree from a recognized University with a minimum of 50% of total marks obtained (45% for SC/ST) in the cognate/related subjects in the entire degree course.

Curriculum Overview

Semester I (9 subjects)

- | | |
|---|---|
| ◆ Object Oriented Programming Using Java | ◆ Computer Architecture |
| ◆ Data Structures and Algorithms | ◆ Object -Oriented Programming using Java Lab |
| ◆ Operating Systems using Linux | ◆ Data Structures and Algorithms Lab |
| ◆ Computer Networks | ◆ Operating Systems and Computer Networks Lab |
| ◆ Mathematical Foundation for Computer Applications | |

Semester II (9 subjects)

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|-------------------------------|-----------------------------------|
| ◆ Project - I | ◆ Introduction to Big Data |
| ◆ Database Management Systems | ◆ Database Management Systems Lab |
| ◆ Software Engineering | ◆ Software Engineering Lab |
| ◆ Web Technology | ◆ Web Technology Lab |
| ◆ Artificial Intelligence | |



Curriculum Overview (continued)

Semester III (9 subjects)

- ◆ NO SQL databases
 - ◆ Python Programming
 - ◆ Machine Learning
 - ◆ Data Warehousing and Data Mining
 - ◆ Introduction to IOT / Service Oriented Architecture / Advanced Computer Architecture
 - ◆ Organizational Behaviour/ Psychology and Life Skills
 - ◆ NO SQL databases Lab
 - ◆ Python Programming Lab
 - ◆ Machine Learning Lab
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Semester IV (3 subjects)

- ◆ Software Testing / Introduction to Data Science/ Agile Methodology
- ◆ Research Methodology
- ◆ Project - II

Fee Structure

Fee heads	Year 1	Year 2	Total
Registration/Application Fee (One Time)	₹ 500	—	₹ 500
Examination Fee	₹ 3,000	₹ 3,000	₹ 6,000
Course Fee	₹ 25,000	₹ 25,000	₹ 50,000
Total	₹ 28,500	₹ 28,000	₹ 56,500