About the Elective

The elective is intended to satisfy the developing need for qualified experts in the field of Computer Science and Information Technology. This online MCA degree program is inclined towards Application Development and has more accentuation on most popular and recent programming languages and apparatuses to design and development of beGer software applications.

The program's curriculum is intended to increase a learner's technical skills and abilities thus providing a way to accelerate one's career for corporate roles in the software domain. Overall the program is designed to cover the essentials of analytics, programming tools, methodologies, and technologies to solve real-world problems.

The first year is aimed at skills development in Computer Science and Information Technology using various methodologies and technologies, and the second year is focused on courses providing conceptual and technical frameworks along with practical application through project work.

Elective Highlights

- Strong foundation in the core topics of Computer Science & IT
- Comprehensive understanding with exposure to Programming, Database Management Systems, Software Engineering, Web Technologies etc.
- Hands-on practical and lab exercises to supplement theory
- Industry aligned curriculum that delivers technical excellence and supplements professional skills
- Achieve mastery in key IT competencies
- Opportunity to design, develop and execute project to demonstrate learning

Eligibility

Pass in an Undergraduate (Bachelor) Program of a minimum duration of Three (3) years in any stream from a UGC recognized University, with a minimum aggregate of 50% or an equivalent leGer/numerical grade. A relaxation of 5% shall be given to SC/ST candidates.

Candidates who are in the final semester of the Bachelor Program are also eligible to apply.

Duration

2 Years (4 Semesters)

Admission Process

- ❖ Visit our website hGps://onlinejain.com
- ❖ Enquire Now
- ❖ Talk to Our Counsellors for more details
- ❖ Apply for the Right Program
- ❖ Provisional Confirmation of Admission
- ❖ Document Verification

- ❖ Pay Tuition/Program fee
- ❖ Confirmation of Admission
- ❖ LMS Activation & Issue of Digital Identity Card
- ❖ Start your Pre-Semester Program
- ❖ Commencement of Live Online Sessions

Program Structure*

Semester 1	Semester 2	Semester 3	Semester 4
Mathematical Foundation for Computer Application	Relational Database Management System *	Application Development using Python *	IT Project Management
Operating System and Unix Shell Programming *	Design & Analysis of Algorithms *	Advanced Web Technologies *	Artificial Intelligence & Machine Learning *
Data Communication & Computer Networks	Java Programming *	Advanced Software Engineering	Big Data Analytics
Data Structures with Algorithms *	Network Security & Cryptography	Cloud Infrastructure and Services	Internet of Things
Computer Organization & Architecture	Object Oriented Modeling & Design PaGerns	Advanced Data Management Techniques *	Cross-Functional Elective Course
		Open Elective Course	Project **

* Courses which include Practicals (Lab Programs and Exercise)

** Project will be carried out between Sem 3 and Sem 4, but evaluation will reflect in Sem 4

IT ALL
+ ADDS UP

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