Master of Computer Applications (MCA) in Computer Science and Information Technology

2 Years | UGC Entitled Online Degree Program

About
the Elective

This two-year Online MCA in Computer Science and IT program is designed based on present-day industry requirements for individuals looking to build or boost their career to managerial and strategic roles in the tech domain. It provides an in-depth knowledge of the latest tools & technologies and their applications in designing & developing Information Technology (IT) centric applications. The projects incorporated in the MCA Computer Science and IT syllabus offer a practical understanding of the domain, which will help the learners solve real-world problems. The MCA Computer Science and IT Elective intends to enhance a learner's technical skills and abilities, thus giving a path to accelerate one's career across key corporate roles in the IT domain.

Elective Highlights:

Builds a strong foundation in important computer science and IT areas

Offers comprehensive knowledge and practical skills in programming, software engineering, web technologies, and database management systems

Hands-on lab tasks that go beyond typical classroom instruction

Features a curriculum aligned with industry standards that enhances technical proficiency and professional skills

Syllabus

Semester I

- Mathematical Foundation for Computer Application
- C Programming and File Handling *
- Operating System and Unix Shell Programming*
- Computer Architecture and Organization
- Data Communication and Computer Networks
- Introduction to Computers & Technology

Semester II

- Data Structures using C*
- Database Management System*
- Software Engineering
- Java Programming*
- Logic Building and Soft Skills

Semester III

- Application Programming in Python*
- Design and Analysis of Algorithms*
- Cryptography and Network Security
- Cloud Infrastructure and Service
- Object Oriented Modelling and Design Pattern

Semester IV

- IT Project Management
- C# with ASP. NET
- Introduction to R-Programming
- Internet of Things
- Project

Eligibility:

Candidates must hold a BCA/Bachelor's in Computer Science Engineering or an equivalent degree, or a B.Sc./B.Com./B.A. with Mathematics at 10+2 or graduation level (with bridge courses as needed).

Duration:

2 years (4 semesters)

Fee Structure:

Tuition Fees		
	Yearly	**Total**
Indian Students	INR 60,000	INR 1,20,000
International Students	USD 1,080	USD 2,160

Domestic Admissions

Registration Fee	INR 500
Exam Fee Per Year	INR 3,500

SAARC Admissions

Registration Fee	INR 1,000
Exam Fee Per Year	INR 5,000

International Admissions

Registration Fee	USD 10
Exam Fee Per Year	USD 60

Crafting Futures, Inspiring Success!

- UGC Entitled online degree programs

- Eminent educators

- Access to exclusive resources

- Learn anytime, anywhere, and on any device

- Innovative learning methodology

- Industry-approved curriculum

- Practical learning

- Flexible payment options with zero-cost EMI

- Cutting-edge Learning Management System

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