



M.C.E.S. DR. P. A. INAMDAR UNIVERSITY'S
**ALLANA INSTITUTE OF COMPUTER
APPLICATION & INFORMATION TECHNOLOGY**



MCA

MASTER OF COMPUTER APPLICATION (MCA)

Program Highlights

- Duration: Two Years
- Semesters: 4-Semester
- Six months Industry Internship
- 2 Months Live Summer Project

Program Objectives :

- To develop graduates in cutting edge technology, understanding contemporary areas and skills
- To prepare the students with core areas by imparting knowledge, skills, and right attitude
- Empowering future-ready technology professionals to drive professional and organizational growth

SPECIALIZED SUBJECTS

CORE SUBJECTS

- Programming Languages
- Data Structures and Algorithms
- Operating Systems (Windows / Linux / Android)
- Database Management Systems
(SQL, PL - SQL, NO - SQL / ORACLE / Mongo DB)
- Software Engineering (OOSE)
- Computer Networks
- Web Technologies
- Object - Oriented Programming
- Computer Architecture
- Mathematical Foundations of Computer Science

EMERGING TRENDS

- Cyber Security
- Digital Marketing
- Cloud Computing
- Internet of Things (IoT)
- Blockchain Technology
- Wireless And Mobile Networks
- Mobile Application Development
- Low-Code / No-Code Development
- Data Science and Big Data Analytics
- Artificial Intelligence & Machine Learning

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MCA

ARTIFICIAL INTELLIGENCE

PROGRAM HIGHLIGHTS

Duration : Two Years
Semesters : 4-Semester
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HIGHLIGHTS

Cutting-Edge Curriculum (2026–2028) | Generative AI & Large Language Models.
Computer Vision & Autonomous Systems | MLOps & Cloud AI
Reinforcement Learning & Robotics | AI Ethics, Bias Detection & Responsible AI
Natural Language Processing | Data Engineering for AI Pipelines
Access GPU clusters | Industry Internship and projects.

MCA

CYBER SECURITY

PROGRAM HIGHLIGHTS

Duration : Two Years | Semesters : 4-Semester
Six months Industry Internship | 2 Months Live Summer Project

HIGHLIGHTS

- Cutting-Edge Curriculum (2026–2028).
- Ethical Hacking & Penetration Testing.
- Advanced Network Security & Zero Trust Architecture.
- Cloud Security, DevSecOps & Container Security.
- Cryptography & Blockchain Security.
- Cyber Forensics, Incident Response & Malware Analysis.
- AI-Driven Threat Detection & Intelligence.
- Cybersecurity Governance, Risk & Compliance.
- Hands-on Labs with Industry-Grade Security Tools.
- Industry Internship and Live Projects.

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