

Master of Computer Application (MCA)
(2 Years Postgraduate Degree Programme)

Tentative Semester wise Course List

Year I: Semester I

- Java Programming
- Data Structures and Algorithms
- Object Oriented Software Engineering
- Operating Systems
- Network Technologies
- Elective I
- Elective II
- MS Excel
- Mini Project

Semester-I Elective Courses:

- Data Privacy and Protection
- Digital Marketing
- Applied Statistical Methods
- G-Suit
- WordPress
- Linux system administration

Year I: Semester II

- Python Programming
- Software Project Management
- Optimization Techniques
- Advanced Internet Technologies
- Advanced DBMS

- Elective III
- Elective IV
- Aptitude Building
- Mini Project

Semester-II Elective Courses:

- Data Analytics
- Green Computing
- IoT
- Design Thinking & Problem Solving
- Block Chain Technology
- Game Programming

Year II: Semester III

- Mobile Application Development
- Data Warehousing & Data Mining
- Software Testing & Quality Assurance
- AI & ML
- Cloud Computing
- Elective V
- Elective VI
- Soft Skills
- Mini Project

Semester-III Elective Courses:

- Image Processing
- Tableau + Power BI
- R Programming
- Network Security

- AR - VR
- Robotic Process Automation (RPA)

Year II: Semester IV

- DevOps
- Research Methodology
- Project