

MCA Program Structure:

Vishwakarma University (VU), Pune

Master of Computer Applications

02 Years – 04 Semesters Full Time Programme Effective from AY 2025 – 2026

Programme Structure (NEP)

Choice Based Credit System (CBCS) and Grading System

Outcome-Based Education

SEM I	
Sr.No	Subject Name
1	Java Programming
2	Java Programming LAB
3	Data Structures and Algorithms
4	Data Structures and Algorithms LAB
5	Business Mathematics & Statistics
6	Elective-I Web Development
7	Elective-I Fundamental of Cloud Computing
8	Communicative English
9	Advanced Software Engineering
10	Principles of Management

SEM II	
Sr.No	Subject Name
1	Python Programming
2	Python Programming Lab
3	Advanced Data Base Management System
4	Advanced Data Base Management System Lab
5	Optimization Technique
6	Elective-I Advance Web Development
7	Elective-I Cloud Computing & Security
8	Data modelling & Visualization
9	Personality Development
10	Organizational Behaviour

SEM III	
Sr.No	Subject Name
1	Mobile Application Development
2	Mobile Application Development Lab
3	Big Data Analytics
4	Big Data Analytics Lab
5	Research Methodology
6	Elective-1 Application Development Using IOT Sensors
7	Cloud Migration and Management
8	Data Warehousing and Data Mining
9	Apptitude Development
10	AI & ML

SEM IV	
Sr.No	Subject Name
1	Internship/Project Work
2	MOOC-I (Inforamtion Security)
3	MOOC-II (Devops)
4	Social Media Marketing
5	Computer Networks