

MCA PROGRAM STRUCTURE

First Semester	Credits
• Programming and Data Structures	4
• Operating Systems	3
• Computer Organization and Architecture	3
• Fundamentals of Discrete Mathematics	3
• Web Technology	4
• Fundamentals of Probability and Statistics	3
• English for Career Development	2
Second Semester	
• Python Programming	4
• Object Oriented Paradigm Using JAVA	4
• Design and Analysis of Algorithms	3
• Usability Design of Software Application	3
• Data Visualization	3
• Computer Networks and Information Security	3
Third Semester	
Core Subjects	
• Database Management Systems	4
• The Art of the Job Interview	2
• Environmental Studies	2
• Project I	8
Specialization	
• Programme Elective I	3
Fourth Semester	
Core Subjects	
• Cloud Fundamentals	3
• Computer Vision	3
• Project II	12
Specialization	
• Programme Elective II	3

Learners will be allowed to select any one specialization during the third semester. Once selected, the same will continue till the last semester

Total Credit= 82

PROGRAMME SPECIALIZATIONS/ PROGRAM ELECTIVES

Specialization	Third Semester	Fourth Semester
AI/ML	Fundamentals of AI/ML	Deep Learning and Neural Networks
Data science	Introduction to Data Science	Business Analytics