

MCA (2 Year) Batch 2020 Subject List

Semester 1st

Code	Title
TMC101	Computer Fundamentals and Programming Methodology Using 'C'
TMC102	Computer Organization and Architecture
TMC103	Operating System
TMC104	Discrete Structure and Combinatorics
TMC105	Statistical Data Analytics with R
TMC106	Scripting Languages
TMC107	Professional Communication & Carrier Skill -I
PMC101	'C' Programming Lab
PMC102	Computer Organization and OS Lab
PMC103	Scripting Language and R Lab
SM101	Seminar

Semester 2nd

Code	Title
TMC201	Data Structure and File Organization Using C
TMC202	Object Oriented Analysis and JAVA Programming
TMC203	Computer Networks
TMC204	Data Base Management System
TMC 205	ELECTIVE –I
TMC 206	Software Engineering and Project Management
TMC207	Professional Communication & Career skill – II
PMC201	Data Structure Lab
PMC202	CN and JAVA Programming Lab
PMC203	DBMS Lab
MCP 201	Project -I

Semester 3rd

Code	Title
TMC301	Design and Analysis of Algorithm
TMC302	Machine Learning using Python
TMC303	Automata Theory and Compiler Construction
TMC304	ELECTIVE –II
TMC305	Full Stack Web Development
TMC306	Enterprise Architecture using C# (.Net)
TMC307	Graphics and Visual Computing
PMC301	DAA and (.Net) C# Lab.
PMC302	Compiler Construction Lab.

PMC303	Machine Learning and Full Stack Web Development Lab.
MCP301	Project – II

Semester 4th

Code	Title
TMC401	Business Intelligence and ERP Systems
TMC402	ELECTIVE –III
TMC403	ELECTIVE –IV
MCP401	Dissertation
MCV401	Comprehensive Viva-Voce
SMC401	Seminar

ELECTIVE –I

TMC205(1)	Digital Marketing and Social Media Management
TMC205(2)	Virtualization and Cloud Computing
TMC205(3)	System Software
TMC205(4)	Artificial Intelligence and Neural Network
TMC205(5)	Bigdata Visualization

Elective – II

TMC304(1)	Storage Networks
TMC304(2)	Image Processing and Computer Vision
TMC304(3)	Web 2.0 and Rich Internet Applications
TMC304(4)	Big Data Analytics
TMC304(5)	Cloud Infrastructure

Elective – III

TMC402(1)	Mobile Application Design and Development
TMC402(2)	Network Programming
TMC402(3)	Internet of Things
TMC402(4)	Advanced Software Testing
TMC402(5)	Devops on Cloud
Any other course with same credit system from other Departments	

Elective – IV

TMC403(1)	Cryptography and Network Security
TMC403(2)	Natural Language Processing
TMC403(3)	Distributed Systems
TMC403(4)	Soft Computing
TMC403(5)	Data Mining and Warehousing
Any other course with same credit system from other Departments	