Course Structure MCA Programme of College of Technology to be Effective with batch 2022-23

SI No.	Course Number	Course Title	Credits & Contact hours
		Semester-I	
1	MCA 606	Programming Concepts using Python	3(2-0-2)
2	MCA607	Operating Systems	3(2-0-2)
3	MCA608	Discrete Mathematics and Combinatorics	3(3-0-0)
4	MCA616	Relational Database Management System	3(2-0-2)
5	MCA619	Accounting and Financial Management	3(3-0-0)
		Semester Credits	**15**
		Semester-II	
6	MCA 612	Data Structure	3(3-0-0)
7	MCA621	Computer Communication Networks	3(3-0-0)
8	MCA626	Object Oriented Analysis and Designing using JAVA	3(2-0-2)
8	MCA628	Scripting Languages	3(2-0-2)
10	MCA630	Theory of Computation	3(3-0-0)
		Semester Credits	**15**
		Semester-III	
11	MCA615	Computer Organization and Architecture	3(2-0-2)
12	MCA620	Software Engineering	3(2-0-2)
13	MCA623	Design and Analysis of Algorithms	3(3-0-0)
14	MCA631	Management Information System	3(3-0-0)
15	MCA655	IT Industry Management and Entrepreneurship	3(3-0-0)
		Semester Credits	**15**
		Semester-IV	
16	MCA649	E-Commerce	3(3-0-0)
17	MCA658	Professional Communication and Career Skills	3(2-0-2)
18	MCA659	Artificial Intelligence	3(3-0-0)
19		Elective-1	3
20		Elective -2	3
		Semester Credits	**15**
		Semester-V	
21	MCA633	Computer Graphics and Animation	3(2-0-2)
22	MCA656	Statistical Data Analysis with R	3(2-0-2)
23	MCA660	Computer Vision	3(3-0-0)
24	MCA688	Master's Seminar	1(0-0-1)
25		Elective-3	3
26		Elective -4	3
		Semester Credits	**16**
		Semester-VI	
27	MCA699	Industrial Training/ Project	15
		Semester Credits	**15**
		Total Programme Credits	**91**

List of Electives			
1	MCA632	Full Stack Web Development	3(2-0-2)
2	MCA634	Linux & System Administration	3(2-0-2)
3	MCA647	Computer System Security	3(2-0-2)
4	MCA653	Internet of Things	3(3-0-0)
5	MCA654	Data Mining & Warehousing	3(3-0-0)
6	MCA657	Virtualization and Cloud Computing	3(3-0-0)
7	MCA661	.Net Framework and C#	3(2-0-2)
8	MCA670	Distributed Computing	3(3-0-0)
9	MCA671	Big Data	3(3-0-0)
10	MCA672	Web Mining	3(3-0-0)
11	MCA673	Block Chain	3(3-0-0)
12	MCA674	Digital Marketing and Social Media Management	3(3-0-0)
13	MCA675	Storage Networks	3(2-0-2)
14	MCA676	Software Project Management	3(2-0-2)