

M.Tech (Computer Science and Engineering)

SI No	Course Code	Course Name	L	T	P	S	Cr	CH
1	22CS5101	MATHEMATICAL FOUNDATIONS FOR COMPUTER SCIENCE	3	2	0	0	5	5
2	22CS5102	COMPUTER ORGANIZATION & ARCHITECTURE	3	2	0	0	5	5
3	22CS5103	DATA STRUCTURES & ALGORITHMS	3	0	2	0	4	5
4	22CS5104	DISTRIBUTED DATABASE MANAGEMENT SYSTEMS	3	0	2	0	4	5
5		ELECTIVE – 1	2	0	2	4	4	8
6		ELECTIVE-2	2	0	2	0	3	4
7	22IE5149	SEMINAR	0	0	4	0	2	4
8	22CS5205	OPERATING SYSTEM DESIGN	3	2	0	0	5	5
9	22CS5206	COMPUTER NETWORKS & SECURITY	3	2	0	0	5	5
10	22CS5207	OBJECT ORIENTED ANALYSIS AND DESIGN	3	0	2	0	4	5
11	22CS5208	ENTERPRISE PROGRAMMING	3	0	2	0	4	5
12		ELECTIVE-3	3	0	4	4	6	11
13		ELECTIVE-4	3	0	4	4	6	11
14	22IE5250	TERMPAPER	0	0	4	0	2	4

15	22IE6050	DISSERTATION	0	0	72	0	36	72
		Total	34	8	100	12	95	154
ELECTIVE COURSES LIST								
Sl No	Course Code	Course Name	L	T	P	S	Cr	CH
ELECTIVE-1								
1	22CS51A1	SOFT COMPUTING	2	0	2	4	4	8
2	22CS51A2	MACHINE LEARNING	2	0	2	4	4	8
3	22CS51A3	DATA WAREHOUSING & MINING	2	0	2	4	4	8
4	22CS51A4	NATURAL LANGUAGE PROCESSING	2	0	2	4	4	8
ELECTIVE-2								
1	22CS51B1	REQUIREMENTS ENGINEERING	2	0	2	0	3	4
2	22CS51B2	PRINCIPLES OF PROGRAMMING LANGUAGES	2	0	2	0	3	4
3	22CS51B3	COMPILER DESIGN	2	0	2	0	3	4
4	22CS51B4	SOFTWARE VERIFICATION & VALIDATION	2	0	2	0	3	4
ELECTIVE-3								
1	22CS52C1	CRYPTOGRAPHY & NETWORK SECURITY	3	0	4	4	6	11

2	22CS52C2	MOBILE COMPUTING	3	0	4	4	6	11
3	22CS52C3	HIGH PERFORMANCE COMPUTING	3	0	4	4	6	11
4	22CS52C4	NETWORK MANAGEMENT SYSTEMS	3	0	4	4	6	11
5	22CS52C5	CONTINUOUS DELIVERY & DEVOPS	3	0	4	4	6	11
ELECTIVE-4								
1	22CS52D1	SERVICE ORIENTED ARCHITECTURE	3	0	4	4	6	11
2	22CS52D2	VISUAL PROGRAMMING	3	0	4	4	6	11
3	22CS52D3	DIGITAL IMAGE PROCESSING	3	0	4	4	6	11
4	22CS52D4	BIG DATA ANALYTICS	3	0	4	4	6	11