

M. TECH.: COMPUTER SCIENCE AND ENGINEERING

FIRST SEMESTER						
S. No.	Course Code	Course Name	Category Code	I	P	C
1.	CS501	Mathematical Foundations of Computer Science	PEC	3	0	3
2.	CS502	Advanced Data Structures and Algorithms	PEC	3	3	5
3.	CS503	Artificial Intelligence	PEC	3	3	5
4.	CS504	Computer Systems	PEC	3	3	5
5.	XXxxx	Elective I	PEC	3	0	3
6.	CS594	Seminar	PCD	0	3	2
Total No. of Credits						23

SECOND SEMESTER						
S. No.	Course Code	Course Name	Category Code	I	P	C
1.	CS511	Embedded Systems and IoT	PEC	3	3	5
2.	CS512	Distributed Systems	PEC	3	3	5
3.	CS513	HPC and GPU Computing	PEC	3	3	5
4.	XXxxx	Elective II	PEC	3	0	3
5.	XXxxx	Elective III	PEC	3	0	3
6.	CS595	Technical Writing	PCD	0	3	2
Total No. of Credits						23

THIRD SEMESTER						
S. No.	Course Code	Course Name	Category Code	I	P	C
1.	CS598	Dissertation Phase I	PCD	-	-	12
Total No. of Credits						12

FOURTH SEMESTER						
S. No.	Course Code	Course Name	Category Code	I	P	C
1.	CS599	Dissertation Phase II	PCD	-	-	12
Total No. of Credits						12

Elective Courses

List of Electives						
S. No.	Course Code	Course Name	Category Code	I	P	C
1	CS521	Game Theory	PEC	3	0	3
2	CS522	Natural Language Processing	PEC	3	0	3
3	CS523	Information Retrieval	PEC	3	0	3
4	CS524	Recommender Systems	PEC	3	0	3
5	CS525	Systems Engineering	PEC	3	0	3
6	CS526	Health Analytics	PEC	3	0	3
7	CS527	Social Network Analysis	PEC	3	0	3
8	CS528	Unmanned Aerial Vehicle	PEC	3	0	3
9	CS529	Robotics	PEC	3	0	3
10	CS530	Time Series Analysis	PEC	3	0	3
11	CS531	Human Computer Interaction	PEC	3	0	3
12	CS532	Modern Computational Algebra	PEC	3	0	3
13	CS533	Affective Computing	PEC	3	0	3
14	CS534	Simulation and Modelling	PEC	3	0	3
15	CS535	Decision Science	PEC	3	0	3
16	CS536	Quantum Computing	PEC	3	0	3
17	CS537	Data Science	PEC	3	0	3
18	CS538	Parallel and Distributed Systems	PEC	3	0	3
19	CS539	Real-time Systems	PEC	3	0	3
20	CS540	Big Data Analytics	PEC	3	0	3
21	CS541	Data Privacy	PEC	3	0	3
22	CS542	Marketing Science and Predictive Analysis	PEC	3	0	3
23	CS543	Cyber Forensics	PEC	3	0	3
24	CS544	Statistical Learning	PEC	3	0	3
25	CS545	Decision Support Systems	PEC	3	0	3
26	CS546	Immersive Technologies	PEC	3	0	3
27	CS547	Bioinformatics	PEC	3	0	3
28	CS548	Advanced Data Mining	PEC	3	0	3
29	CS549	Computational Learning Theory	PEC	3	0	3
30	CS550	Wireless Networked Systems	PEC	3	0	3
31	CS551	Post Quantum Cryptography	PEC	3	0	3
32	CS552	Research Methodology	PEC	3	0	3
33	CS553	Scalable Data Science	PEC	3	0	3