M.Tech. in Computer Science and Engineering

Semester I				
Course Name	L-T-P	Credits		
Foundations of Theoretical Computer Science	3-0-0	3		
Probability & Statistics for Computer Science (or an equivalent course)	3-0-0	3		
Fundamentals of Computing Systems Design	3-0-3	4		
Elective Course	3-0-2	4		
		14		
Semester II				
Course Name	L-T-P	Credits		
Machine Learning	3-0-3	4		
M.Tech Thesis Proposal Unit/Seminar	3-0-0	3		
Elective Course	3-0-0	3		
Elective Course	3-0-0	3		
Research communication, ethics, and methods	3-0-0	3		
		16		
Semester III				
Course Name	L-T-P	Credits		
M.Tech Thesis Work 1	0-0-14	14		
Semester IV				
Course Name	L-T-P	Credits		
M.Tech Thesis Work 2	0-0-14	14		
	Course Name Foundations of Theoretical Computer Science Probability & Statistics for Computer Science (or an equivalent course) Fundamentals of Computing Systems Design Elective Course Semester II Course Name Machine Learning M.Tech Thesis Proposal Unit/Seminar Elective Course Elective Course Research communication, ethics, and methods Semester III Course Name M.Tech Thesis Work 1 Semester IV Course Name	Course Name L-T-P Foundations of Theoretical Computer Science 3-0-0 Probability & Statistics for Computer Science (or an equivalent course) 3-0-0 Fundamentals of Computing Systems Design 3-0-3 Elective Course 3-0-2 Semester II Course Name L-T-P Machine Learning 3-0-3 M.Tech Thesis Proposal Unit/Seminar 3-0-0 Elective Course 3-0-0 Elective Course 3-0-0 Research communication, ethics, and methods 3-0-0 Semester III Course Name L-T-P M.Tech Thesis Work 1 0-0-14 Semester IV Course Name L-T-P		

List of Electives

Code	Course Name	L-T-P	Credits
CS524	Advanced-Data Structures using C++	3-0-2	4
CS435	Deep Learning with Computer Vision Applications	3-0-0	3
CS431	Optimization - Theory and Algorithms	3-0-0	3
CS425	Coding theory and Cryptography	3-0-0	3
CS528	Formal methods in Machine learning	3-0-0	3
CS572	Modeling and Simulation of Systems	3-0-0	3
CS525	Randomized Algorithms	3-0-0	3