

## M.Tech. in Computer Science and Engineering

Semester I			
Code	Course Name	L-T-P	Credits
CS510	Foundations of Theoretical Computer Science	3-0-0	3
CS561	Probability & Statistics for Computer Science (or an equivalent course)	3-0-0	3
CS540	Fundamentals of Computing Systems Design	3-0-3	4
	Elective Course	3-0-2	4
			14
Semester II			
Code	Course Name	L-T-P	Credits
CS530	Machine Learning	3-0-3	4
CS600	M.Tech Thesis Proposal Unit/Seminar	3-0-0	3
	Elective Course	3-0-0	3
	Elective Course	3-0-0	3
HS600	Research communication, ethics, and methods	3-0-0	3
			16
Semester III			
Code	Course Name	L-T-P	Credits
CS651	M.Tech Thesis Work 1	0-0-14	14
Semester IV			
Code	Course Name	L-T-P	Credits
CS652	M.Tech Thesis Work 2	0-0-14	14

**List of Electives**

<b>Code</b>	<b>Course Name</b>	<b>L-T-P</b>	<b>Credits</b>
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