

M.Tech Curriculum
Computer Science and Engineering
 From Academic Year 2020-21

Semester - I

S.No	Course No	Course Name	L-T-P-C
1.	CS5101	Advanced Data Structures and Algorithms	3-0-0-3
2.	CS5103	Machine Learning	3-0-0-3
3.	CS5105	Parallel Computing	3-0-0-3
4.	CS5107	Computational Methods in Optimization	3-0-0-3
5.	CS5191	Advanced Data Structure and Algorithms Laboratory	0-0-3-2
6.	MA5021	Linear Algebra for Engineers	2-0-0-2
7.	MA5022	Probability Theory for Engineers	2-0-0-2
Total			18

Semester – II

S.No	Course No	Course Name	L-T-P-C
1.	CS5202	Computer System Architecture	3-0-0-3
2.	CS5204	Artificial Intelligence	3-0-0-3
3.	CS5206	Industrial Software Engineering	3-0-0-3
4.	CS5208	Distributed Systems	3-0-0-3
5.	DPE	Department Elective	3-0-0-3
6.	CS5292	Intelligent Systems Laboratory	0-0-3-2
Total			17

Semester - III

S.No	Course No	Course Name	L-T-P-C
1.	FRE	Free Elective	3-0-0-3
2.	CS6110	Seminar	- - - 1
3.	CS6150	Project Phase-I	- - - 10
Total			14

Semester - IV

S.No	Course No	Course Name	L-T-P-C
1.	CS6250	Project Phase-II	- - - 15
Total			15

Total Credits - 64

Department Electives:

1. Predictive Data Modeling
2. Reinforcement Learning
3. Advanced Computer Networks
4. Stochastic Decision Processes
5. Algorithmic Engineering