

School Name: School of Computing Science and Engineering

Program Name: M.Tech.

Scheme: 2016-2018

1st Semester						
Subject Code		Name of the Course	Teaching Scheme			Credits
			L	T	P	
Theory						
1	MAT502	Advanced Numerical and Statistical Methods	3	0	0	3
2	CSE501	Advanced Design and Analysis of Algorithms	3	0	0	3
3	CSE504	Advanced Computer Networks	3	0	0	3
4	CSE503	Advanced Operating Systems	3	0	0	3
5	CSE511	Knowledge Based System Design	3	0	0	3
Practical						
1	ENG584	Professional Communication Skills	0	0	4	2
2	CSE551	Advanced Design and Analysis of Algorithms Lab	0	0	2	1
3	CSE552	Advanced Computer Networks Lab (NS-2 in Linux Environment)	0	0	2	1
4	CSE553	KBSD Lab Using MAT Lab	0	0	2	1
Total:			15	0	10	20

2nd Semester						
Subject Code		Name of the Course	Teaching Scheme			Credits
			L	T	P	
Theory						
1	CSE505	Network Security	3	0	0	3
2	CSE507	Advanced Computer Graphics	3	0	0	3
3	CSE512	Business Analytics	3	0	0	3
4		Program Elective-1	3	0	0	3
5		Program Elective-2	3	0	0	3
Practical						
1	LLL522	Quantative and Communication Proficiency	0	0	4	2
2	CSE555	Advanced Computer Graphics Lab	0	0	2	1
3	CSE554	Network Security Lab (NS2/SUMO)	0	0	2	1
Total:			15	0	8	19

3rd Semester

Subject Code	Name of the Course	Teaching Scheme			Credits	
		L	T	P		
Theory						
1	CSE613	Requirment Analysis and Project Management	3	0	0	3
2		Program Elective-3	3	0	0	3
3		Program Elective-4	3	0	0	3
Practical						
1	CSE651	Requirment Analysis and Project Management Lab	0	0	2	1
2	CSE652	M. Tech Dissertation Part-1	0	0	10	5
Total:			9	0	12	15

4th Semester

Subject Code	Name of the Course	Teaching Scheme			Credits	
		L	T	P		
Project						
1	CSE650	M. Tech Dissertation-Final	0	0	30	15
Total:			0	0	30	15

Program Elective

Program Elective-1	Subject Code	Name of the Course	L	T	P	C
1	CSE537	Data Mining and Warehousing	3	0	0	3
2	CSE509	High Performance Computer Systems	3	0	0	3
3	CSE510	Parallel Algorithms	3	0	0	3
4	CSE517	Distributed Systems	3	0	0	3
Program Elective-2	Subject Code	Name of the Course	L	T	P	C
1	CSE519	Advances in Compiler Design	3	0	0	3
2	CSE514	Data Compression	3	0	0	3
3	CSE515	Natural Language Processing	3	0	0	3
4	CSE522	Mobile Computing	3	0	0	3
Program Elective-3	Subject Code	Name of the Course	L	T	P	C
1	CSE518	Interaction Design	3	0	0	3
2	CSE554	Data Compression Lab	3	0	0	3
3	CSE561	Real Time System	3	0	0	3
4	CSE555	Web Services Lab	3	0	0	3
Program Elective-4	Subject Code	Name of the Course	L	T	P	C
1	CSE523	Big Data Analytics	3	0	0	3
2	CSE513	Transaction Processing	3	0	0	3
3	CSE516	Web Services	3	0	0	3
4	CSE511	Grid and Cluster Computing	3	0	0	3