

School Name: School of Computing Science and Engineering

Program Name: M.Tech.

Scheme: 2019-2021

1 st Semester						
Subject Code	Name of the Course		Teaching Scheme			Credits
			L	T	P	
Theory						
1	MATH5001	Advanced Numerical and Statistical Methods	3	1	0	4
2	MCSE1110	Advanced Design and Analysis of Algorithms	3	0	0	3
3	MCSE1120	Advanced Computer Networks	3	0	0	3
4	MCSE1130	Advanced Operating Systems	3	0	0	3
5	MCSE1150	Advanced Software Engineering	3	0	0	3
Practical						
1	CENG5001	Professional Communication Skills	0	0	2	1
2	MCSE1111	Advanced Design and Analysis of Algorithms Lab	0	0	2	1
3	MCSE1121	Advanced Computer Networks Lab	0	0	2	1
4	MCSE1151	Technical Seminar	0	0	2	1
		Total:	15	1	8	20

2 nd Semester						
Subject Code	Name of the Course		Teaching Scheme			Credits
			L	T	P	
Theory						
1	MCSE1240	Artificial Intelligence & Machine Learning	3	0	0	3
2	MCSE9100	Data Mining & Analytics using R	3	0	0	3
3	MCSE1260	Research Methodology	3	0	0	3
4		Program Elective-1	3	0	0	3
Practical						
1	MCSE1241	AI & ML using Python Lab	0	0	4	2
2	MCSE9101	Data Mining & Analytics using R Lab	0	0	4	2
3	MCSE1250	Python Programming	0	0	4	2
4	MCSE1251	Advanced Java Programming Lab	0	0	4	2
5	SLMC5012	English Proficiency and Aptitude Building -2	0	0	2	1
6	MCSE1261	Certification Course/Term Paper	0	0	2	1
		Total:	12	0	20	22

3rd Semester

Subject Code	Name of the Course	Teaching Scheme			Credits	
		L	T	P		
Theory						
1	MCSE2320	Software Project Management	3	0	0	3
2		Program Elective-3	3	0	0	3
3		Program Elective-4	3	0	0	3
Practical						
1	SLMT5001	Quantitative and Communication Proficiency	0	0	2	1
2	MCSE2321	Software Development Lab	0	0	4	2
3	MCSE2381	M. Tech Dissertation Part-1	0	0	10	5
Total:			9	0	16	17

4th Semester

Subject Code	Name of the Course	Teaching Scheme			Credits	
		L	T	P		
Project						
1	MCSE2481	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	MCSE9110	IoT Technology and Applications	3	0	0	3
2	MCSE9120	IoT on Cloud	3	0	0	3
3	MCSE9130	Big Data Mining and Analytics	3	0	0	3
4	MCSE9260	Foundations of Information Security	3	0	0	3
Program Elective-2	Subject Code	Name of the Course	L	T	P	C
1	MCSE9310	Formal models of software systems	3	0	0	3
2	MCSE9320	Embedded Software Development	3	0	0	3
3	MCSE9330	Social Network Analysis	3	0	0	3
4	MCSE9340	Bio-inspired Computing	3	0	0	3
Program Elective-3	Subject Code	Name of the Course	L	T	P	C
1	MCSE9410	Data Visualization Techniques	3	0	0	3
2	MCSE9420	Reconfigurable Computing	3	0	0	3
3	MCSE9430	Mobile Application Development	3	0	0	3
4	MCSE9440	Information Storage Management	3	0	0	3