

School Name: School of Computing Science and Engineering

Program Name: M.Tech.

Scheme: 2018-2020

		1 st Semester				
S	ubject Code	Name of the Course		eachi chen	- Credits	
3	abject Code			T	P	Credits
		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	MCSE1140	Big Data Technologies	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	MCSE1141	Big Data Technologies Lab	0	0	2	1
		Total:	15	1	8	20

		2 nd Semester							
Subj	ject Code	Name of the Course	Teaching Scheme			Credits			
Subj	jeer code		L	T	P	Cicuits			
	Theory								
1	MCSE1210	Network Security	3	0	0	3			
2	MCSE1220	Advanced Computer Graphics	3	0	0	3			
3	MCSE1230	Cloud Computing Technologies	3	0	0	3			
4		Program Elective-1	3	0	0	3			
5		Program Elective-2	3	0	0	3			
	Practical								
1	MCSE1211	Network Security Lab	0	0	2	1			
2	MCSE1221	Advanced Computer Graphics Lab	0	0	2	1			
		Total:	15	0	4	17			

		3 rd Semester						
Sub	ioat Codo	Name of the Course		Teaching Scheme				
Subj	ject Code		L	T	P	Credits		
	Theory							
1	MCSE2310	Software Requirements Engineering	3	0	0	3		

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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	4	2
2	MCSE2311	Software Requirements Engineering Lab	0	0	2	1
3	MCSE2381	M. Tech Dissertation Part-1	0	0	10	5
		Tota	: 9	0	16	17

		4 th Semester						
Cub:	act Codo	Name of the Course		Teaching Scheme			- Credits	
Subject Code		Name of the Course		Т	P	Credits		
	Project							
1	MCSE2481	M. Tech Dissertation-Final	0	0	30	15		
		Total:	0	0	30	15		

		Program Elective				
Program Elective-	Subject Code	Name of the Course	L	Т	P	С
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	MCSE9140	Data Science and Big Data Analytics	3	0	0	3
Program Elective- 2	Subject Code	Name of the Course	L	Т	P	C
1	MCSE9210	Real Time Systems	3	0	0	3
2	MCSE9220	Mobile and Pervasive Computing	3	0	0	3
3	MCSE9230	Parallel Programming Paradigms	3	0	0	3
4	MCSE9240	Information Retrieval Techniques	3	0	0	3
Program Elective-	Subject Code	Name of the Course	L	Т	P	C
1	MCSE9310	Formal models of software systems	3	0	0	3
2	MCSE9320	Embedded Software Development	3	0	0	3
	MCSE9330	Social Network Analysis	3	0	0	3
3	MCSE9340	Bio-inspired Computing	3	0	0	3
Program Elective- 4	Subject Code	Name of the Course	L	Т	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