

Proposed Revised M.Tech CSE – IS Programme Structure May, 2017

FIRST SEMESTER

SNo	Course		Contact Hours				Credits
	No.	Title	L	T	P	Total	
1.	17M41CS111	Advanced data structures and algorithms	3	-	-		3
2.	17M41CS112	Computer and Information Security	3	-	-		3
3.		Elective – I	3	-	-		3
4.		Elective – II	3	-	-		3
5.		Elective – III	3	-	-		3
6.	17M47CS111	Project Based Learning-I Secure Software development				1	2
7.	17M45CS111	Secure Programming Lab	-	-		2	1
8	17M45CS112	Advance data structures and algorithms Lab				4	2
	17M45CS113	TOTAL					20

Elective Courses (To be updated time to time)

I SEM ODD 2017

1	15M2NCI254 /17M42CS111	Network Security
2	17M42CS112	Malware Analysis- Tools and Techniques
3	15M51CI111 /17M42CS113	Advanced Mobile Computing
4	17M42CS114	Big data systems and analytics
5	17M42CS115	Wireless and Communication Networks
6	17M42CS116	Requirement Engineering - A practical approach

SECOND SEMESTER

SNo	Course		Contact Hours				Credits
	No.	Title	L	T	P	Total	
1.	17M41CS121	Cryptography and cryptanalysis	3	-	-		3
2.	17M41CS122	Network and mobile security	3	-	-		3
3.		Elective – IV	3	-	-		3
4.		Elective – V	3	-	-		3
5		Elective – VI	3	-	-		3
6.	17M47CS121	Project Based Learning-II Forensics system development				1	2
7.	17M45CS121	Network and mobile security Lab	-	-		2	1
8	17M45CS122	Cryptography and cryptanalysis Lab				4	2
		TOTAL					20

THIRD SEMESTER

SNo	Course		Contact Hours				Credits
	No.	Title	L	T	P	Total	
1.	17M47CS212	Seminar & Term Paper or Earn credits by transfer eg. MOOCs, Course Work at another Institute, Supervised Study					4
2.	17M47CS213/ 17M47CS214/ 17M47CS215	Dissertation /Industrial Project / Entrepreneurial Project					4
3	17M47CS211	Project Based Learning-III, (Critical and secure infrastructure development)					4
		TOTAL					12

FOURTH SEMESTER

SNo	Course		Contact Hours				Credits
	No.	Title	L	T	P	Total	
1.	17M47CS223/ 17M47CS224/ 17M47CS225	Dissertation /Industrial Project/ Entrepreneurial Project					18
		TOTAL					18

TOTAL CREDITS : 70