12.05.18

M.Tech Programme - CSE (IS) w.e.f. 2018-19 Batch

FIRST SEMESTER

SNo	Course No.	Title	Contact Hours				Credits
			L	T	P	Total	
1.	17M41CS111	Advanced Data Structures and Algorithms	3	-	-	3	3
2.	17M41CS112	Computer and Information Security	3	-	-	3	3
3.		Elective – I	3	-	-	3	3
4.		Elective – II	3	-	-	3	3
5.		Elective – III	3	-	-	3	3
6.	18M11GE111	Research Methodology and Intellectual Property Rights	2			2	2
7.	17M45CS111	Secure Programming Lab	-	-	2	2	1
8	17M45CS112	Advance data structures and algorithms Lab			4	4	2
		TOTAL	17		6	23	20

SECOND SEMESTER

SNo	Course No.	Title	Contact Hours				Credits
			L	T	P	Total	
1.	17M41CS121	Cryptography and Cryptanalysis	3	-	-	3	3
2.	17M41CS122	Network and Mobile Security	3	-	-	3	3
3.		Elective – IV	3	-	-	3	3
4.		Elective – V	3	-	-	3	3
5.		Audit-I	2			2	Qualifying
6.	17M47CS111	Project Based Learning-I Forensics System Development	-	-		4	2
7.	17M45CS121	Network and Mobile Security Lab	-	-	2	2	1
8.	17M45CS122	Cryptography and Cryptanalysis Lab	-	-	4	4	2
		TOTAL				24	17

THIRD SEMESTER

SNo	Course No.	Title	Contact Hours				Credits
			L	T	P	Total	
1.		Open Elective	3			3	3
2.	17M47CS212	Seminar & Term Paper or Earn credits by transfer, e.g., MOOCs, Course Work at another Institute, Supervised Study				4	4
3.	17M47CS213/ 17M47CS214/ 17M47CS215	Dissertation /Industrial Project / Entrepreneurial Project				8	4
4.	17M47CS121	Project Based Learning-II, Critical and Secure Infrastructure Development	-			8	4
5.		Audit-II	2			2	Qualifying
		TOTAL				25	15

FOURTH SEMESTER

SNo	Course		Contact Hours				Credits
	No. Title		L	T	P	Total	
1.	17M47CS223/ 17M47CS224/ 17M47CS225	Dissertation /Industrial Project/ Entrepreneurial Project				32	16
		TOTAL				32	16

TOTAL CREDITS : 68

Courses for Audit-I and II:

1. English for Research Paper Writing
2. Disaster Management
3. Sanskrit for Technical Knowledge
4. Value Education
5. Constitution of India
6. Pedagogy Studies
7. Stress Management by Yoga
8. Personality Development through life enlightenment skills

Subjects for Open Electives:

1. Business Analytics
2. Industrial Safety
3. Operations Research
4. Cost Management of Engineering Projects
5. Composite Materials
6. Waste to Energy

Electives

1. 18M42CS111 Network and Mobile Security
2. 18M42CS112 Machine Learning Techniques for Big Data)
3. 18M42CS113 Database and On line Social Media Security
4. 18M42CS114 Malware Reverse Engineering
5. 18M42CS115 Big Data system
6. 18M42CS116 Cyber and Digital forensics
7. 18M42CS117 Advanced Network Technologies
8. 18M42CS118 Network Forensics
9. 18M42CS119 Distributed System Security
10. 18M42CS120 Wireless Communication and Networks
11. 18M42CS121   Fundamentals of computer Security