12.05.18

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

FIRST SEMESTER

SNo	Course		Contact Hours				Credits
	No.	Title	L	T	P	Total	
1.	17M11CS111	Data Structures and Algorithms for Big Data	3	-	-	03	3
2.	17M11CS112	Machine Learning and Data Mining	3	-	-	03	3
3.		Elective – I	3	-	-	03	3
4.		Elective – II	3	-	-	03	3
5.		Elective – III	3	-	-	03	3
6.	18M11GE111	Research Methodology and Intellectual Property Rights	2	-	-	02	2
7.	17M15CS111	Advanced Algorithms Lab	-	-	2	02	1
8.	17M15CS112	Machine Learning and Data Mining Lab			2	02	1
9.	17M15CS113	Cloud Technology Lab			2	02	1
		TOTAL	17	-	6	23	20

SECOND SEMESTER

SNo	Course		Contact Hours				Credits
	No.	Title	L	T	P	Total	
1.	17M11CS121	Cloud and Web Services Software Engineering	3	-	-	03	3
2.	17M11CS122	Performance Evaluation of Computing Systems	3	-	-	03	3
3.		Elective – IV	3	-	-	03	3
4.		Elective – V	3	-	-	03	3
5		Audit-I	2	-	-	02	Qualifying
6.	17M17CS111	Project Based Learning-I (Open Source Software Development)		-	4	04	2
7.	17M15CS121	Cloud and Web Services Lab	-	-	2	02	1
8.	17M15CS122	Performance Engineering Lab			2	02	1
9.	17M15CS123	IOT Systems Development Lab			2	02	1
		TOTAL	15	-	10	24	17

THIRD SEMESTER

SNo	Course		Contact Hours				Credits
	No.	Title	L	T	P	Total	
1.		Open Elective	3			3	3
2.	17M17CS212	Seminar & Term Paper OR Earn credits by transfer, e.g., MOOCs, Course Work at another Institute, Supervised Study				4	4
3.	17M17CS121	Project Based Learning-II (Software Development Automation)				8	4
4.	17M17CS213/ 17M17CS214/ 17M17CS215	Dissertation /Industrial Project/Entrepreneurial Project				8	4
5.		Audit-II	2			2	Qualifying
		TOTAL				25	15

SNo	Course		Contact Hours					Credits
	No.	Title		L	T	P	Total	
1.	17M17CS223/ 17M17CS224/ 17M17CS225	Dissertation /Industrial Project/ Entrepreneurial Project					32	16
		TOTAL					32	16

TOTAL CREDITS: 68

Upto one elective from Maths/JBS/HSS may be taken

MTech (CSE) Electives

1. 15M3NCI231   E-Commerce and Social Web
2. 19M12CS111   Web Intelligence
3. 19M12CS112   Metaheuristic Modelling & Optimization
4. 17M22CS113   Soft Computing & Applications
5. 14M1NCI339   Wireless Sensor and Actuator Networks
6. 19M12CS113   Advanced Wireless Networks
7. 18M12CS117   Blockchain Technology and Applications
8. 17M12CS115   3D Graphics and Animations
9. 18M12CS115   Internet of Things
10. 19M12CS211   Nature Inspired Computing and Applications
11. 14 M1NCI231   Cryptography and Computer Security
12. 17M22CS115   Large Scale Graph Algorithms & Analytics