

M.Tech (CSE with specialisation in ITE) Programme w.e.f. 2018-19 Batch**FIRST SEMESTER**

SNo	Course		Contact Hours				Credits
	No.	Title	L	T	P	Total	
1.	17M31CS111	Design, Innovation, and Incubation-I	3	-	-	03	3
2.	17M31CS112	Digital Business Marketing	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.	17M35CS111	Cloud based Web and Mobile Application Lab -I	-	-	4	04	2
8.	17M35CS112	Data Science Programming Lab-I			2	02	1
		TOTAL	17	-	6	23	20

SECOND SEMESTER

SNo	Course		Contact Hours				Credits
	No.	Title	L	T	P	Total	
1.	17M31CS121	Design, Innovation, and Incubation-II	3	-	-	03	3
2.	17M31CS122	Finance and Law for Digital Business	3	-	-	03	3
3.		Elective – IV	3	-	-	03	3
4.		Elective – V	3	-	-	03	3
5.		Audit-I	2	-	-	02	Qualifying
6.	17M37CS111	Project Based Learning-I (Small Enterprise Automation)		-	4	04	2
7.	17M35CS121	Cloud based Web and Mobile Application Lab -II	-	-	2	02	1
8.	17M35CS122	Data Science Programming Lab-II			2	02	1
9.	17M35CS123	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	
		Open Elective	3			3	3
1.	17M37CS212	Seminar & Term Paper OR Earn credits by transfer, e.g., MOOCs, Course Work at another Institute, Supervised Study				4	4
2.	17M37CS121	Project Based Learning-II (Open Initiative Centric Systems Development)				8	4
3.	17M37CS213/ 17M37CS214/ 17M37CS215	Dissertation /Industrial Project/Entrepreneurial Project				8	4
		Audit-II	2			2	Qualifying
		TOTAL				25	15

FOURTH SEMESTER

SNo	Course		Contact Hours				Credits
	No.	Title	L	T	P	Total	
1.	17M37CS223/ 17M37CS224/ 17M37CS225	Dissertation /Industrial Project/ Entrepreneurial Project				32	16
		TOTAL				32	16

TOTAL CREDITS: 68

1-2 Electives by JBS/HSS are necessary for every student

MTech (CSE-ITE) Electives

1. 17M32CS111 Full Stack Web Development
2. 17M32CS131 Full Stack Mobile Development
3. 17M32CS132 Enterprise Computing
4. 17M32CS112 Embedded and IOT Systems
5. 17M32CS133 Advanced IOT Systems
6. 17M32CS113 Game Design and Development
7. 17M32CS114 Augmented and Virtual Reality
8. 17M32CS115 E-Governance
9. 17M32CS116 E-Commerce Systems and Analytics
10. 17M32CS134 Retail Informatics
11. 17M32CS117 Learning Technology
12. 17M32CS135 Educational Informatics
13. 17M32CS118 ICT for Development
14. 17M32CS119 Medical and Healthcare Informatics
15. 17M32CS121 Legal Informatics
16. 17M32CS136 Cultural Informatics
17. 17M32CS123 Digital Museum and Exploratorium
18. 17M32CS137 Urban Informatics
19. 17M32CS123 Logistics and Transportation Informatics
20. 17M32CS124 Agricultural Informatics
21. 17M32CS138 Water Informatics
22. 17M32CS139 Weather Informatics
23. 17M32CS125 Environmental Informatics

Maths Courses:

1. Linear Statistical Models
2. Multivariate Analysis
3. Time Series Analysis
4. Operation Research

JBS/HSS Courses:

1. Econometrics
2. Financial Analytics
3. Leadership and Strategy Management
4. Digital Business Marketing-II
5. Human Resource Management and Analytics
6. Supply Chain and Logistics Management
7. Customer Relation Management and Analytics
8. Game Theory and Business Intelligence
9. Ethics and Law in Social Data Analytics