

M.Tech. (CSE with specialization in Information Technology & Entrepreneurship)

Programme Structure July 2022 onwards

(Joint PG Programme by CSE&IT Department and JBS)

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.	22xxxxx	Elective – I (CSE)	3	-	-	03	3
4.	22xxxxx	Elective – II (JBS)	3	-	-	03	3
5.	22xxxxx	Elective – III (JBS)	3	-	-	03	3
6.	18M11GE111	Research Methodology and Intellectual Property Right	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.	21xxxxx	Elective – IV (JBS)	3	-	-	03	3
4.	21xxxxx	Elective – V (JBS)	3	-	-	03	3
5.		Audit-I (HSS)	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/ Supervised Study or credits transfer from another university through normal course or MOOC *				4	4
3.	17M17CS211	Project Based Learning-II * (Software Development Automation)				8	4
4.	17M17CS213/ 17M17CS214/ 17M17CS215	Dissertation /Industrial Project/Entrepreneurial Project*				8	4
5.		Audit-II (HSS)	2			2	Qualifying
		TOTAL					15

FOURTH SEMESTER

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

TOTAL CREDITS : 68

Elective-I:(CSE)

Student may pick any elective out of the following 6 electives which are the part of electives baskets (3 Nos.) for M.Tech.(CSE) Program.

1. 15M3NCI231 E-Commerce and Social Web
2. 19M12CS111 Web Intelligence
3. 19M12CS112 Metaheuristic Modelling & Optimization
4. 17M22CS113 Soft Computing & Applications
5. 19M12CS113 Advanced Wireless Networks
6. 18M12CS117 Blockchain Technology and Applications

More electives may be added later

JBS Courses Under Elective-II (ODD Sem) & Elective-III (ODD Sem)

- Organizational Behavior [3 Credits]
- Accounting for Managers [3 Credits]
- Economics for Business and Government [3 Credits]

More electives may be added later

JBS Courses Under Elective-IV (EVEN Sem) & Elective-V (EVEN Sem)

Digital Marketing [3 Credits]

Innovation and Entrepreneurship [3 Credits]

Project Management [3 Credits]

More electives may be added later

*: Jointly Supervised by JBS and CSE&IT faculty members.