

----- Program Structure -----

M.Sc. (Computer Science) SEMESTER I										
Subject Code	Course Type	Course Name	Teaching Scheme Hrs/Week		Examination Scheme and Marks			Credits		
			TH	P	CCE	EE	Total	TH	P	Total
2412MJCT101	Major Core	Python Programming for Data Analysis	4	-	40	60	100	4	-	4
2412MJCT102		Advanced Databases Technology	4	-	40	60	100	4	-	2
2412MJCT103		Cloud Computing	2	-	20	30	50	2	-	2
2412MJCP104		Lab course on Python Programming for Data Analysis	-	4	20	30	50	-	2	2
2412MJCP105		Lab course on Advanced Databases Technology	-	4	20	30	50	-	2	2
2412MJET106A	Major Elective	Full Stack Development - I	2	-	20	30	50	2	-	2
2412MJEP107A		Lab course on Full Stack Development – I	-	4	20	30	50	-	2	2
OR		OR								
2412MJET106B		C# .NET Programming	2	-	20	30	50	2	-	2
2412MJEP107B		Lab course on C# .NET Programming	-	-	20	30	50	-	-	2
2412MJCT108	Major Core	Research Methodology	4	-	40	60	100	4	-	4
Total			16	12	220	330	550	16	6	24

M.Sc. (Computer Science) SEMESTER II										
Subject Code	Course Type	Course Name	Teaching Scheme Hrs/Week		Examination Scheme and Marks			Credits		
			TH	P	CCE	EE	Total	TH	P	Total
2412MJCT201	Major Core	Design and Analysis of Algorithms	4	-	40	60	100	4	-	4
2412MJCT202		Mobile App Development Technologies	4	-	40	60	100	4	-	2
2412MJCT203		Data Mining & Data Warehousing	2	-	20	30	50	2	-	2
2412MJCP204		Lab course on Design and Analysis of Algorithms	-	4	20	30	50	-	2	2
2412MJCP205		Lab course on Mobile App Development Technologies	-	4	20	30	50	-	2	2
2412MJET206A	Major Elective	Full Stack Development – II	2	-	20	30	50	2	-	2
2412MJEP207A		Lab course on Full Stack Development – II	-	4	20	30	50	-	2	2
OR		OR								
2412MJET206B		ASP.NET Programming	2	-	20	30	50	2	-	2
2412MJEP207B		Lab course on ASP.NET Programming	-	4	20	30	50	-	2	2
2412OJTP208	OJT	On Job Training/Winter Internship (120 Hours)	-	2	40	60	100	-	4	4
Total			12	14	220	330	550	12	10	24

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M.Sc. (Computer Science) SEMESTER III										
Subject Code	Course Type	Course Name	Teaching Scheme Hrs/Week		Examination Scheme and Marks			Credits		
			TH	P	CCE	EE	Total	TH	P	Total
2412MJCT301	Major Core	Advanced Java Programming	4	-	40	60	100	4	-	4
2412MJCT302		Machine Learning	4	-	40	60	100	4	-	2
2412MJCT303		Agile Software Development	2	-	20	30	50	2	-	2
2412MJCP304		Lab course on Advanced Java Programming & Agile Software Development	-	4	20	30	50	-	2	2
2412MJCP305		Lab course on Machine Learning	-	4	20	30	50	-	2	2
2412MJET306A	Major Elective	Full Stack Development- III	2	-	20	30	50	2	-	2
2412MJEP307A		Lab Course on Full Stack Development- III	-	4	20	30	50	-	2	2
OR		OR								
2412MJET306B		Image & Video Processing	2	-	20	30	50	2	-	2
2412MJEP307B		Lab Course on Image & Video Processing	-	4	20	30	50	-	2	2
2412RPRP308	Research-Project	Research Work	-	-	40	60	100	-	2	4
Total			12	14	220	330	550	12	10	22

M.Sc. (Computer Science) SEMESTER IV										
Subject Code	Course Type	Course Name	Teaching Scheme Hrs/Week		Examination Scheme and Marks			Credits		
			TH	P	CCE	EE	Total	TH	P	Total
2412MJCP401	Major Core	Full Time Industrial Training(IT) (360 Hrs.)	-	2	120	180	300	-	12	12
2412MJET402	Major Elective	MOOC Courses (Any Two Courses)	-	-	40	60	100	4	-	4
2412RPRP403	Research Project	Research Project	-	2	60	90	150	-	6	6
Total			12	14	220	330	550	4	18	22