

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

M.Sc. (Information Technology) 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
2417MJCT101	Major Core	Web Techniques	4	-	40	60	100	4	-	4
2417MJCT102		Advanced Database Concepts	4	-	40	60	100	4	-	4
2417MJCT103		Cloud Computing	2	-	20	30	50	2	-	2
2417MJCP104		Lab course on Web Techniques	-	4	20	30	50	-	2	2
2417MJCP105		Lab course on Advanced Database Concepts	-	4	20	30	50	-	2	2
2417MJET106A	Major Elective (Choose A Or B)	Introduction of Data Sciencein Python	-	-	20	30	50	2	-	2
2417MJEP107A		Lab course on Introductionof Data Science in Python	2	4	20	30	50	-	2	2
OR		OR								
2417MJET106B		C# .Net Programming	-	4	20	30	50	-	2	2
2417MJEP107B		Lab course on C# .Net Programming	4	-	20	30	50	4	-	4
2417MJCT108	Major Core	Research Methodology	4	-	100	-	-	4	++	4
Total			16	12	280	270	550	16	06	22

M.Sc. (Information Technology) 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
2417MJCT201	Major Core	Web Framework-I	4	-	40	60	100	4	-	4
2417MJCT202		Data analytics andvisualization	4	-	40	60	100	4	-	4
2417MJCT203		Advance Networking	2	-	20	30	50	2	-	2
2417MJCP204		Lab course on WebFramework- I	-	4	20	30	50	-	2	2
2417MJCP205		Lab course on Data analytics and visualiza- tion	-	4	20	30	50	-	2	2
2417MJET206A	Major Elective	Big Data	2	-	20	30	50	2	-	2
2417MJEP207A		Lab course on Big Data	-	4	20	30	50	-	2	2
OR		OR								
2417MJET206B		Django Framework	2	-	20	30	50	2	2	2
2417MJEP207B		Lab course on DjangoFramework	-	4	20	30	50	-	2	2
2417OJTP208	OJT	On Job Training (120 Hrs)	-	2	100	-	100	-	4	4
Total			12	14	280	270	550	12	10	22

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M.Sc. (Information Technology) SEMESTER III										
Subject Code	Course Type	Course Name	Teach- ing Scheme Hrs/ Week		Examination Scheme and Marks			Credits		
			TH	P	CCE	EE	Total	TH	P	Total
2417MJCT301	Major Core	Web Framework-II	4	-	40	60	100	4	-	4
2417MJCT302		Machine Learning	4	-	40	60	100	4	-	4
2417MJCT303		Information Assurance and Security	2	-	20	30	50	2	-	2
2417MJCP304		Lab course on WebFramework- II	-	4	20	30	50	-	2	2
2417MJCP305		Lab course on MachineLearning	-	4	20	30	50	-	2	2
2417MJET306 A	Major Elective	Mobile Technology	2	-	20	30	50	2	-	2
2417MJEP307 A		Lab Course on MobileTechnology	-	4	20	30	50	-	2	2
OR		OR								
2417MJET306 B		Design and Analysis ofAlgorithm	2	-	20	30	50	2	-	2
2417MJEP307B		Lab Course on Design & Analysis of Algorithm	-	4	20	30	50	-	2	2
2417RPRP308	Research Project	Research Work	-	2	40	60	100	-	4	4
Total			12	14	280	270	550	12	10	22

M.Sc. (Information Technology) 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
2417MJCP401	Major Core	Full Time Industrial Training (IT)	-	2	120	180	300	-	12	12
2417MJET402	Major Elective	MOOC Courses (any two)	-	-	-	-	-	4	-	4
2417RPRP403	ResearchProject	Research Project	-	2	60	90	150	-	6	6
Total			6	4	180	270	450	4	18	22