

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

M.Sc. (Computer Application) 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
2413MJCT101	Major Core	Database Systems and SQL	4	-	40	60	100	4	-	4
2413MJCT102		Foundation of Data Science using Python	4	-	40	60	100	4	-	4
2413MJCT103		Operating Systems	2	-	20	30	50	2	-	2
2413MJCP104		Lab course Based on Database Management System & SQL and Operating System	-	4	20	30	50	-	2	2
2413MJCP105		Lab course based on Foundation of Data Science using Python	-	4	20	30	50	-	2	2
2413MJET106A	Major Elective	Java Programming	2	-	20	30	50	2	-	2
2413MJEP107A		Lab Course based on Java Programming	-	4	20	30	50	-	2	2
OR		OR								
2413MJET106B		Cloud Computing	2	-	20	30	50	2	-	2
2413MJEP107B		Lab Course based on Cloud Computing	-	4	20	30	50	-	2	2
2413REMT108	Research Methodology	Research Methodology	4	-	40	60	100	4	-	4
	Bridge Course	Introduction to C and C++	3	-	-	-	-	-		-
Total			19	12	220	330	550	16	6	22

M.Sc. (Computer Application) 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
2413MJCT201	Major Core	Web Technologies	4	-	40	60	100	4	-	4
2413MJCT202		Introduction to Artificial Intelligence & Machine Learning	4	-	40	60	100	4	-	4
2413MJCT203		Computer Network	2	-	20	30	50	2	-	2
2413MJCP204		Lab course based on web technologies	-	4	20	30	50	-	2	2
2413MJCP205		Lab course based on Introduction to Artificial Intelligence & Machine Learning	-	4	20	30	50	-	2	2
2413MJET206A	Major Elective	Advance Java Programming	2	-	20	30	50	2	-	2
2413MJEP207A		Lab Course on based on adv Java	-	4	20	30	50	-	2	2
OR		OR								
2413MJET206B		Mongo DB	2	-	20	30	50	2	-	2
2413MJEP207B		Lab Course on Mango DB	-	4	20	30	50	-	2	2
2413OJT201	OJT	On Job Training/Winter Internship (120 Hours)	4	2	40	60	100	-	4	4
Total			12	14	220	330	550	12	10	24

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

M.Sc. (Computer Application) 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
2414MJCT301	Major Core	Deep Learning	4	-	40	60	100	4	-	4
2414MJCT302		Web Services	4	-	40	60	100	4	-	2
2414MJCT303		Object Oriented Software Engineering	2	-	20	30	50	2	-	2
2414MJCP301		Lab Course based on Deep Learning	-	4	20	30	50	-	2	2
2414MJCP302		Lab Course based on CA Web services	-	4	20	30	50	-	2	2
2414MJET301	Major Elective	Mobile Application Development	2	-	20	30	50	2	-	2
2414MJEP301		Lab Course based on Mobile Application Development	-	4	20	30	50	-	2	2
OR		OR								
2414MJET302		Software Testing	2	-	20	30	50	2	-	2
2414MJEP302		Lab Course based on Software Testing	-	4	20	30	50	-	2	2
2414RP301	Research	Research Work	4	-	40	60	100	-	2	4
Total			16	14	220	330	550	12	10	22

M.Sc. (Computer Application) 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
2414MJC401	Major Core	Industrial Training	12	2	120	180	300	-	12	12
2414MJE401	Major Elective	Foundation of Blockchain technology	2	-	20	30	50	2	-	2
		OR								
2414MJE402		Introduction to DataMining	2		20	30	50	2		2
2414MJC402	Major Core	Any one MOOC Course	-	-	20	30	50	2		2
2414RP401	Research	Research Work	4		40	60	100		6	6
Total			12	14	200	300	500	4	18	22