

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

M.Sc. (Data 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
P24/DS1MCT1	Major Core	Statistics for Data Science	5	-	40	60	100	4	-	4
P24/DS1MCT2		Linear Algebra	3	-	40	60	100	2	-	2
P24/DS1MCP1		Practical Course based on Linear Algebra	-	4	20	30	50	-	2	2
P24/DS1MCT3		Foundation of Data Science	3	-	20	30	50	2	-	2
P24/DS1MCP2		Practical Course based on Statistics for Data Science	-	4	20	30	50	-	2	2
P24/DS1MCP3	Major Elective (Choose A Or B)	Practical Course based on Foundation of Data Science	-	4	20	30	50	-	2	2
P24/DS1MET1		A. Artificial Intelligence OR B. Data Mining and Data Warehousing	3	-	20	30	50	2	-	2
P24/DS1RMT1		based on Artificial Intelligence OR B. Practical Course based on Data Mining and Data Warehousing	-	4	20	30	50	-	2	2
P24/CS1MNT1		Research Methodology	5	-	40	60	100	4	-	4
Total			19	16	220	330	550	14	8	22

M.Sc. (Data 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
P24/DS2MCT1	Major Core	Database Technologies	4	-	40	60	100	4	-	4
P24/DS2MCT2		Machine Learning	4	-	40	60	100	4	-	4
P24/DS2MCT3		Cloud Computing	2	-	20	30	50	2	-	2
P24/DS2MCP1		Practical Course based on Database Technologies	-	2	20	30	50	-	2	2
P24/DS2MCP2		Practical Course based on Machine Learning	-	2	20	30	50	-	2	2
P24/DS2MET1	Major Elective (Choose A Or B)	A. Big Data OR B. Data Visualization tools	2	-	20	30	50	2	-	2
P24/DS2MEP1		A. Practical Course based on Big Data OR B. Practical Course based Data Visualization tools	-	2	20	30	50	-	2	2
P24/CS1MNT1	OJT	On Job Training in IT industry/ Summer Project (120 Hours)	-	4	40	60	100	-	4	4
Total			16	14	220	330	550	12	10	22

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M.Sc. (Data 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
P24/DS3MCT1	Major Core	Applied Statistics	4	-	40	60	100	4	-	4
P24/DS3MCT2		Deep Learning	4	-	40	60	100	4	-	4
P24/DS3MCT3		Natural Language Processing	2	-	20	30	50	2	-	2
P24/DS3MCP1		Practical Course based on Deep Learning	-	2	20	30	50	-	2	2
P24/DS3MCP2		Practical Course based on Natural Language Processing	-	2	20	30	50	-	2	2
P24/DS3MET1	Major Elective	A. Web Frameworks for Python OR B. Business Informatics	2	-	20	30	50	2	-	2
P24/DS3MEP1		A. Practical Course based on Web Frameworks for Python OR B. Practical Course based on Business Informatics	-	2	20	30	50	-	2	2
P24/DS3RPP1	Research-Project	Research Work	-	4	40	60	100	-	4	4
Total			16	14	220	330	550	12	10	22

M.Sc. (Data 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
P24/DS4MCP1	Major Core	Full Time Industrial Training (IT)	2	-	120	180	300	-	12	12
P24/DS4MET1	Major Elective	MOOC Courses/ Online Courses	4	-	40	60	100	4	-	4
P24/DS4RPP2	ResearchProject	Research Project	-	4	60	90	150	-	6	6
Total			6	4	220	330	550	4	18	22