



MCA PROGRAMME STRUCTURE - (Scheme 2025-26)

MCA –SEM-I

Sr. No.	Course Code	Course Type	Name of the Course		Evaluation Scheme		Theory			Practical		Total Marks
				Credits	Lecture	Practical	ISE	MSE	ESE	Int	EPE	
1	25MCA1L101	DSC	Database Management System	3	3	-	20	30	50	-	-	100
2	25MCA1L102	DSC	Data Structure	3	3	-	20	30	50	-	-	100
3	25MCA1L103	DSC	Object Oriented Software Engineering	3	3	-	20	30	50	-	-	100
4	25MCA1L104	DSC	Artificial Intelligence	3	3	-	20	30	50	-	-	100
5	25MCA1L105	MDC	Computational Statistics using R	3	3	-	20	30	50	-	-	100
6	25MCA1L106	SEC	Digital Marketing	2	2	-	50			-	-	50
7	25MCA1P107	DSC	Internet Programming	3	2	2				50	50	100
8	25MCA1P108	DSC	LAB on Database Management System	1	-	2	-	-	-	20	30	50
9	25MCA1P109	DSC	Lab on Data structure	1	-	2	-	-	-	20	30	50
10	25MCA1P110	DSC	Mini Project	1	-	2	-	-	-	20	30	50
11	25MCA1L111	VBC	Universal Human Values (UHV)	2	2	-	50	-	-	-	-	50
			Total	25	21	8						850



MCA –SEM-II

Sr. No.	Course Code	Course Type	Name of the Course		Evaluation Scheme		Theory			Practical		Total Marks
				Credits	Lecture	Practical	ISE	MSE	ESE	Int	EPE	
1	25MCA1L201	DSC	Operating System	3	3	-	20	30	50	-	-	100
2	25MCA1L202	DSC	Software Project Management	3	3	-	20	30	50	-	-	100
3	25MCA1L203	DSE	Elective-I	3	3	-	20	30	50	-	-	100
4	25MCA1L204	DSC	Cyber Security	3	3	-	20	30	50	-	-	100
5	25MCA1P205	DSC	JAVA Programming	3	2	2	-	-	-	50	50	100
6	25MCA1P206	DSC	Python Programming	3	2	2	-	-	-	50	50	100
7	25MCA1P207	SEC	Frontend Forge	2	1	2	-	-	-	20	30	50
8	25MCA1P208	DSC	Mini Project	1	-	2	-	-	-	20	30	50
9	25MCA1L209	AEC	Generative AI	2	1	2	50					50
10	25MCA1L210	VBC	Open Course-II (Liberal Learning)	-	1	-	50	-	-	-	-	50
			TOTAL	23	19	10						800



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MCA –SEM-III

Sr. No.	Course Code	Course Type	Name of the Course		Evaluation Scheme		Theory			Practical		Total Marks
					Lecture	Practical	ISE	MSE	ESE	Int	EPE	
1	25MCA2L101	DSC	Computer Networking	3	3		20	30	50	-	-	100
2	25MCA2L102	DSC	Design and Analysis of Algorithm	3	3	-	20	30	50	-	-	100
3	25MCA2L103	DSE	Elective-II	3	3	--	20	30	50	-	-	100
4	25MCA2L104	DSC	Cloud Computing	3	3	-	20	30	50	-	-	100
5	25MCA2L105	MDC	Research Methodology	3	3	-	20	30	50	-		100
6	25MCA2P106	DSC	Mobile Application Development	3	2	2	-	-	-	50	50	100
7	25MCA2P107	DSC	.Net Programming	3	2	2	-	-	-	50	50	100
8	25MCA2P108	SEC	Backend Bridge	2	1	2	-	-	-	20	30	50
9	25MCA2P109	DSC	Mini Project	1	-	2	-	-	-	20	30	50
		TOTAL		24	20	8						800



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MCA –SEM-IV

Sr. No.	Course Code	Course Type	Name of the Course		Evaluation Scheme		Theory			Practical		Total Marks
					Lecture	Practical	ISE	MSE	ESE	Int	EPE	
1	25MCA2P201	DSC	Internship Project	9	-	-	-	-	-	100	200	300
2	25MCA2L202	DSC	MOOC-I	3	-	-	50	-	50	-	-	100
3	25MCA2L203	DSC	MOOC-II	3	-	-	50	-	50	-	-	100
			TOTAL	15	-	-						500



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Elective for SEM-II & SEM-III

Sr. No.	Heading	SEM -II	SEM - III
1	Data Science	Foundations of Data Analytics	Data Visualization & Analytics
2	Big Data	Big Data Analytics	Exploring Business Intelligence Tools and Hadoop Integration /Big Data Technologies
3	Machine Learning	Mathematical Foundations for Machine Learning	Feature Engineering /Deep Learning