

Curriculum Scheme for First Year M.Sc. (Computer Science)

Sr.No	Subject Code No.	Short Name	Subject	Teaching Scheme				Examination Scheme											
				Credit	L	P	Hours/ Week	Theory						Practical					
								Duration of Paper (Hrs)	Max Marks Theory Papers	Sessional Marks		Total	Min Pass Marks	Duration of Papers Hrs	External		Internals	Total	Min Pass Marks
										Continuous Assessment	Term Work and Regularity				Perfor- mance	Viva- Voce			
Semester-I																			
1	17MSC101	DSDM	Digital System Design & Microprocessor	4	4		4	3	70	20	10	100	40						
2	17MSC102	DSFD	Data Structures and File Design	4	4		4	3	70	20	10	100	40						
3	17MSC103	JAVA	Object Oriented Programming using JAVA	4	4		4	3	70	20	10	100	40						
4	17MSC104	DCN	Data Communication Networks	4	4		4	3	70	20	10	100	40						
5	17MSC105	SS	System Software	4	4		4	3	70	20	10	100	40						
6	17MSC106	CL1	Computer Lab1 (Based on 17MSC102)	3		3	3							3	20	10	20	50	20
7	17MSC107	CL2	Computer Lab2 (Based on 17MSC103)	3		3	3							3	20	10	20	50	20
8	17MSC108	CL3	Computer Lab3 (Based on LINUX and ALP)	6		6	6							3	20	10	20	50	20
9	17MSC109	SSM1	Choice Based Self Study Course	2			2										50	50	20
			Total	34	20	12	34		350	100	50	500			60	30	110	200	
Semester-II																			
1	17MSC110	DBMS	Database Management Systems	4	4		4	3	70	20	10	100	40						
2	17MSC111	MF	Mathematical Foundation	4	4		4	3	70	20	10	100	40						
3	17MSC112	CG	Computer Graphics	4	4		4	3	70	20	10	100	40						
4	17MSC113	AIES	Artificial Intelligence and Expert system	4	4		4	3	70	20	10	100	40						
5	17MSC114	PDC	Parallel and Distributed Computing	4	4		4	3	70	20	10	100	40						
6	17MSC115	CL1	Computer Lab1 (Based on 17MSC110)	3		3	3							3	20	10	20	50	20
7	17MSC116	CL2	Computer Lab2 (Based on 17MSC112)	3		3	3							3	20	10	20	50	20
8	17MSC117	CL3	Computer Lab3 (Based on .NET Technology)	6		6	6							3	20	10	20	50	20
9	17MSC118	PROJ-1	Mini Project	3		3	3							3			50	50	20
			Total	35	20	15	35		350	100	50	500			60	30	110	200	

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										Continuous Assessment	Term Work and Regularity				Performance	Viva-Voce			
Semester-III																			
1	17MSC201	SE	Software Engineering	4	4		4	3	70	20	10	100	40						
2	17MSC202	CC	Cloud Computing	4	4		4	3	70	20	10	100	40						
3	17MSC203	DAA	Design & Analysis of Algorithms	4	4		4	3	70	20	10	100	40						
4	17MSC204	AWT	Advanced Web Technology	4	4		4	3	70	20	10	100	40						
5	17MSC205	DM	Data Mining	4	4		4	3	70	20	10	100	40						
6	17MSC206	CL1	Computer Lab1 (Based on 17MSC202 & 17MSC203)	3		3	3							3	20	10	20	50	20
7	17MSC207	CL2	Computer Lab2 (Based on 17MSC204 & 17MSC205)	3		3	3							3	20	10	20	50	20
8	17MSC208	CL3	Computer Lab3 (Based on Software Testing)	6		6	6							3	20	10	20	50	20
9	17MSC209	SEM	Seminar	2			2							3			50	50	20
			Total	34	20	12	34		350	100	50	500			60	30	110	200	
Semester-IV																			
1	17MSC210	Ele1	Elective – 1	4	4		4	3	70	20	10	100	40						
2	17MSC211	IP	Image Processing	4	4		4	3	70	20	10	100	40						
3	17MSC212	MS	Modeling and Simulation	4	4		4	3	70	20	10	100	40						
4	17MSC213	CL1	Computer Lab1 (Based on 17MSC210)	6		6	6							3	20	10	20	50	20
5	17MSC214	CL2	Computer Lab2 (Based on 17MSC211)	6		6	6							3	20	10	20	50	20
6	17MSC215	Proj	Project/Dissertation	8		8	8							3	50	50	100	200	80
			Total	32	12	20	32		210	60	30	300			90	70	140	200	

Elective – 1: a) Cyber Security and Ethical Hacking b)Computer Oriented Optimization Techniques c)Soft Computing d)Internet of Things