

COURSE STRUCTURE

Semester - I

Course Code	Course Name	Category of Subject	Marks		Credits
			External	Internal	
MSC-100-19	Discrete Mathematics	Core	60	40	4
MSC-101-19	Advanced Database Management System	Choice based	60	40	4
MSC-102-19	OR Computer Graphics & Multimedia				
MSC-103-19	Advanced Operating System	Core	60	40	4
MSC-104-19	Data Structure & Algorithms	Core	60	40	4
MSC-105-19	Advanced Computer Networks	Core	60	40	4
MSC-Lab-101-19	LAB-Advanced DBMS	Core	60	40	4
MSC-Lab-102-19	OR LAB-Computer Graphics & Multimedia				
MSC-Lab-104-19	LAB-Data Structures	Core	60	40	4
MSC-106-19	Certification Course (Online)	Term work	-	50	2
MSC-107-19	C Programming				
MSC-107-19	OR DBMS				
		Total Credits			30

Semester - II

Course Code	Course Name	Category of Subject	Marks		Credits
			External	Internal	
MSC-200-19	Internet Programming	Core	60	40	4
MSC-201-19	OR Object Oriented Programming				
MSC-202-19	Linux & Shell Programming	Core	60	40	4
MSC-203-19	Green Computing	Core	60	40	4
MSC-204-19	Advanced Software Engineering	Choice based	60	40	4
MSC-205-19	OR Cyber Security				
MSC-206-19	Data mining & Data warehousing	Core	60	40	4
MSC-Lab-200-19	LAB-Internet Programming	Core	60	40	4
MSC-Lab-201-19	LAB-Object oriented programming	Core	60	40	4
MSC-207-19	Certification Course (Online) Java Programming	Term work	-	50	2
		Total Credits			30

Semester – III

Course Code	Course Name	Category of Subject	Marks		Credits
			External	Internal	
	Specialization I * Software Development	Choice based	60 each	40 each	12
MSC-300-19	Prog. & Designing with ASP.NET				
MSC-301-19	Android Programming				
MSC-302-19	Advanced Java				
	OR				
	Specialization II * Data Analytics				
MSC-303-19	Data Analytics				
MSC-304-19	Internet of Things				
MSC-305-19	Python Programming				
MSC-306-19	Research Methodology	Core	60	40	4
	LAB-Specialization				
	Specialization I * Software Development	Choice based	60 each	40 each	12
MSC-Lab-300-19	Prog. & Designing with ASP.NET				
MSC-Lab-301-19	Android Programming				
MSC-Lab-302-19	Advanced Java				
	OR				
	Specialization II * Data Analytics				
MSC-Lab-303-19	Data Analytics				
MSC-Lab-304-19	Internet of Things				
MSC-Lab-305-19	Python Programming				
MSC-307-19	Certification Course (Online) Any one from the specialization subject	Term work	-	50	2
			Total Credits		30

* Specialization subject carries 4 credits each (Both theory and Lab)

Semester - IV

Course Code	Course Name	Category of Subject	Marks		Credits
			External	Internal	
MSC-400-19	Project	Core	150	150	20
MSC-401-19	Research Paper Publication	Core	50	50	10
			Total Credits		30