

ST. THERESA COLLEGE

Master of Science in Computer Application

Course Structure

SEMESTER - I

Course Code	Course Name	Category	External	Internal	Credits
MSC-100-19	Discrete Mathematics	Core	60	40	4
MSC-101-19	Advanced Database Management	Choice	60	40	4
MSC-102-19	Computer Graphics & Multimedia	Choice	60	40	4
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	Advanced DBMS / CG Lab	Core	60	40	4
MSC-Lab-104-19	Data Structures Lab	Core	60	40	4
Certification	C Programming / DBMS	Term Work	-	50	2

SEMESTER - II

Course Code	Course Name	Category	External	Internal	Credits
MSC-200-19	Internet Programming / OOP	Core	60	40	4
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 / Cyber Security	Choice	60	40	4
MSC-206-19	Data Mining & Data Warehousing	Core	60	40	4
MSC-Lab-200-19	Internet Programming Lab	Core	60	40	4
MSC-Lab-201-19	OOP Lab	Core	60	40	4
MSC-207-19	Certification Java Programming	Term Work	-	50	2

SEMESTER - III

Course Code	Course Name	Category	External	Internal	Credits
MSC-300-19	ASP.NET / Android / Advanced Java	Specialization	60	40	12
MSC-303-19	Data Analytics / IoT / Python	Specialization	60	40	12
MSC-306-19	Research Methodology	Core	60	40	4
MSC-Lab-300-19	Specialization Lab	Core	60	40	12
MSC-307-19	Certification Course	Term Work	-	50	2

SEMESTER - IV

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

Total Credits per Semester : 30