

MASTER OF SCIENCE (COMPUTER SCIENCE)

SYLLABUS – COURSE NAME & SUBJECT CODE

SEMESTER I

SUBJECT CODE	COURSE NAME
MSC101	MATHEMATICAL FOUNDATIONS OF COMPUTER SCIENCE
MSC102	DATA STRUCTURES AND ALGORITHMS
MSC103	COMPUTER ORGANIZATION AND ARCHITECTURE
MSC104	OPERATING SYSTEM
MSC105	PROGRAMMING IN PYTHON
MSC106	PYTHON LAB

SEMESTER II

SUBJECT CODE	COURSE NAME
MSC201	DATABASE MANAGEMENT SYSTEM
MSC202	SOFTWARE ENGINEERING
MSC203	COMPUTER NETWORKS
MSC204	OBJECT ORIENTED PROGRAMMING (JAVA)
MSC205	DBMS LAB
MSC206	JAVA LAB

SEMESTER III

SUBJECT CODE	COURSE NAME
MSC301	ARTIFICIAL INTELLIGENCE
MSC302	MACHINE LEARNING
MSC303	WEB TECHNOLOGIES
MSC304	CLOUD COMPUTING
MSC305	AI / ML LAB
MSC306	WEB DEVELOPMENT LAB

SEMESTER IV

SUBJECT CODE	COURSE NAME
MSC401	DATA ANALYTICS
MSC402	CYBER SECURITY
MSC403	INTERNET OF THINGS (IOT)
MSC404	MAJOR PROJECT
MSC405	SEMINAR AND VIVA VOCE