First Semester

CourseCode	Course Name	Credits
MCS-011	Problem Solving and Programming	3
MCS-012	Computer Organisation and Assembly Language Programming	4
MCS-013	Discrete Mathematics	2
MCS-014	Systems Analysis and Design	3
MCS-015	Communication Skills	2
MCSL-016	Internet Concepts and Web design (Lab Course)	2
MCSL-017	Lab (C and Assembly Language Programming) (Lab Course)	2

Second Semester

CourseCode	Course Name	Credits
MCS-021	Data and File structures	4
MCS-022	Operating System concepts	4
MCS-023	Introduction to Database Management Systems	3
MCS-024	Object Oriented Technology and Java Programming	3
MCSL-025	Lab (Data Structures using C, WINDOWS 2000, LINUX / UNIX, Java and MS? ACCESS, My SQL)	4

Third Semester

CourseCode	Course Name	Credits
MCS-031	Design and Analysis of Algorithms	4
MCS-032	Object Oriented Analysis and Design	3
MCS-033	Advanced Discrete Mathematics	2
MCS-034	Software Engineering	3
MCS-035	Accountancy and Financial Management	3
MCSL-036	Laboratory Course (For Object Oriented Analysis and Design, Software Engineering and Accountancy and Financial Management)	3

Fourth Semester

CourseCode	Course Name	Credits
MCS-041	Operating Systems	4
MCS-042	Data Communication and Networks	4
MCS-043	Advanced Database Management Systems	4

MCS-044   **Mini Project**   4

MCSL-045 **UNIX and DBMS LAB** 2

Fifth Semester

CourseCode   **Course Name**   **Credits**

MCS-051   **Advanced Internet Technologies**   3

MCS-052   **Principles of Management and Information Systems** 2

MCS-053   **Computer Graphics and Multimedia**   4

MCSL-054 **Laboratory Course (Advanced Internet Technologies & Computer Graphics and Multimedia)**   2

MCSE-003   **Artificial Intelligence and Knowledge Management**   3

MCSE-004   **Numerical and Statistical Computing** 3

MCSE-011   **Parallel Computing**   3

Sixth Semester

CourseCode   **Course Name**   **Credits**

MCSP-060   **Project**   16