

**SCHOOL OF COMPUTER AND SYSTEMS SCIENCES
JAWAHARLAL NEHRU UNIVERSITY
NEW DELHI-110067**

COURSES OFFERED-MONSOON SEMESTER 2024

MCA: Semester I

Course No.	Course Name	
CS-401	Programming in C	Compulsory
CS-402	Computer Fundamentals	Compulsory
CS-403	Data Structures	Compulsory
CS-404	Discrete Mathematics	Compulsory
CS-405	Computer Architecture	Compulsory
CS-406	Numerical Methods	Compulsory

MCA: Semester III

Course No.	Course Name	
CS-413	Software Engineering	Compulsory
CS-414	Theoretical Computer Science	Compulsory
CS-425	Blockchain Technology	Elective
CS-429	Cybersecutity	Elective
CS-437	Natural Language Processing	Elective
CS-445	Web Based Programming	Elective
CS-446	Wireless Networks	Elective

M.Tech(Computer Science and Technology): Semester I

Course No.	Course Name	
CS-773	Design and Analysis of Algorithms	Compulsory
CS-703	Data Communication and Computer Networks	Elective
CS-706	Database Management Systems	Elective
CS-714	Machine Learning	Elective
CS-754	Digital Image Processing	Elective
CS-760	Natural Language Processing	Elective
CS-762	Parallel and Distributed Systems	Elective

M.Tech(Data Science): Semester I

Course No.	Course Name	
CS-901	Artificial Intelligence and Machine Learning	Compulsory
CS-902	Big Data Management	Compulsory
CS-903	Data Structure and Algorithms	Compulsory
CS-904	Mathematical Foundation for Data Science	Compulsory
CS-905	Optimization Techniques for Data Science	Compulsory

Ph.D: Semester I

Course No.	Course Name	
CS-791	Research Methodology	Compulsory
CS-792	Research and Publication Ethics	Compulsory
	Elective I	

*M.Tech. Students are required to choose courses belonging to **only their stream.**

*Ph.D Students can choose Elective I from the courses offered to M.Tech. Students.

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10/11/2024