

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

COURSES OFFERED - WINTER SEMESTER 2022

MCA (Semester-II) (All courses are Compulsory. Each course is of 4 credits)		
Course Number	Course Name	Course Incharge
CS-407	Database Management Systems (Core)	Prof. T.V. Vijay Kumar
CS-408	Computer Networks (Core)	Prof. D.K. Lobiyal
CS-409	Design and Analysis of Algorithms (Core)	Prof. R.K. Agrawal
CS-410	Object Oriented Programming (Core)	Dr. Ratneshwer
CS-411	Artificial Intelligence (Core)	Dr. Aditi Sharan
CS-412	Operating Systems (Core)	Prof. D.P. Vidyarathi

MTech-Computer Science and Technology (Semester-II) (Student is required to opt for any 5 Elective courses. Each course is of 3 credits)		
Course Number	Course Name	Course Incharge
CS-707	Object Oriented Software Engineering (Elective)	Dr. Tirthankar Gayen
CS-718	Wireless Communication and Mobile Computing (Elective)	Dr. Sushil Kumar
CS-720	Mobile Adhoc Networks (Elective)	Dr. Buddha Singh
CS-763	Pattern Classification (Elective)	Prof. Rajeev Kumar
CS-767	Software Quality Assurance (Elective)	Prof. V.B. Singh
CS-769	VLSI Design and Testing (Elective)	Dr. Asutosh Srivastava
CS-770	Wireless Sensor Networks (Elective)	Dr. Poonam Agarwal

MTech-Data Science (Semester-II) (Student is required to opt for 1 Core course and any 4 Elective courses. Each course is of 3 credits)		
Course Number	Course Name	Course Incharge
CS-906	Data Visualization (Core)	Dr. Manju Khari
CS-915	Brain Theory and Neural Networks (Elective)	Dr. Saurabh Kumar Sharma
CS-916	Cloud Computing (Elective)	Dr. Zahid Raza
CS-919	Computer Vision (Elective)	Dr. Ayesha Choudhary
CS-920	Cyber Security (Elective)	Dr. Karan Singh
CS-926	Deep Learning (Elective)	Prof.. Satish Chand
CS-946	Speech and Natural Language Processing (Elective)	Dr. Piyush Pratap Singh

NOTE:

1. The course titled “Object Oriented Software Engineering” (CS-707) would be offered as elective in lieu of the course titled “Software Engineering” (CS-731) to students of MTech (Computer Science and Technology)
2. The courses offered as electives to students of MTech (Data Science) can be chosen as elective by the students of MTech (Computer Science and Technology) and courses offered as electives to students of MTech (Computer Science and Technology) can be chosen as elective by students of MTech (Data Science).