

School of Computer and Systems Sciences
Jawaharlal Nehru University
New Delhi-110067

Courses offered for the Winter Semester 2021

MCA (Semester II) – All Core Courses		
CS-407	Database Management Systems	Core
CS-408	Computer Networks	Core
CS-409	Design and Analysis of Algorithms	Core
CS-410	Object Oriented Programming	Core
CS-411	Artificial Intelligence	Core
CS-412	Operating Systems	Core

MTech-Computer Science and Technology/MPhil (Semester II)		
	Elective I	Elective
	Elective II	Elective
	Elective III	Elective
	Elective IV	Elective
	Elective V	Elective

MTech-Statistical Computing (Semester II)		
CS-809	Statistical Inference & Multivariate Techniques	Core
CS-810	Big Data Algorithms (For Data Science Stream)	Core
CS-811	Information Theory (For Data Communication Stream)	Core
	Elective VI	Elective
	Elective VII	Elective
	Elective VIII	Elective

PhD (Semester II)		
CS-801	Research Reading and Seminar	Core
	Elective IX (For students who have taken Only ONE Elective in Semester I)	Elective

Elective I, Elective II, Elective III, Elective IV, Elective V, Elective VI, Elective VII, Elective VIII and Elective IX can be opted from the following list of Electives:

CS-703	Data Communication and Computer Networks	Elective
CS-720	Mobile Ad Hoc Networks	Elective
CS-752	Computer Vision	Elective
CS-760	Natural Language Processing	Elective
CS-770	Wireless Sensor Networks	Elective
CS-822	Machine Learning	Elective
CS-850	Brain Theory & Neural Networks	Elective
CS-809	Statistical Inference & Multivariate Techniques (For MTech - Computer Science and Technology, MPhil, PhD)	Elective
CS-810	Big Data Algorithms (For MTech - Statistical Computing - Data Communication Stream; MTech - Computer Science and Technology, MPhil, PhD)	Elective
CS-811	Information Theory (For MTech - Statistical Computing - Data Science Stream; MTech - Computer Science and Technology, MPhil, PhD)	Elective

MCA Semester II

Course Number	Course Title	Credits	Course Incharge
CS-407	Database Management Systems	4 credits	Prof. T V Vijay Kumar
CS-408	Computer Networks	4 credits	Dr. Karan Singh
CS-409	Design and Analysis of Algorithms	4 credits	Prof. R K Agrawal
CS-410	Object Oriented Programming	4 credits	Prof. V.B. Singh
CS-411	Artificial Intelligence	4 credits	Dr. Aditi Sharan
CS-412	Operating Systems	4 credits	Dr. Zahid Raza

M.Tech. (CS&T)/ MTech (SC)/ MPhil/PhD - Semester II

Course Number	Course Title	Credits	Course Incharge
CS-703	Data Communication and Computer Networks	3 credits	Dr. Sushil Kumar
CS-720	Mobile Ad Hoc Networks	3 credits	Dr. Buddha Singh
CS-752	Computer Vision	3 credits	Dr. Ayesha Choudhary
CS-760	Natural Language Processing	3 credits	Dr. Piyush Pratap Singh
CS-770	Wireless Sensor Networks	3 credits	Dr. Poonam Agarwal
CS-822	Machine Learning	3 credits	Prof. Rajeev Kumar
CS-850	Brain Theory & Neural Networks	3 credits	Dr. Saurabh Kumar Sharma
CS-809	Statistical Inference & Multivariate Techniques	3 credits	Dr. Krishnan Rajkumar
CS-810	Big Data Algorithms	3 credits	Prof. Satish Chand
CS-811	Information Theory	3 credits	Dr. Manju Khari
CS-801	Research Reading and Seminar	3 credits	