

Tentative List of offered MOOCs courses (Autumn Semester 2019), Dept. of CSE

Course Id	NPTEL Course Id	Course Name	SME Name	Duration
CS 658	noc19-cs66	Social Networks	Prof. Poonam Saini, Prof. Sudarshan Iyengar	12 weeks
CS 651	noc19-cs83	Artificial Intelligence Search Methods For Problem Solving	Prof. Deepak Khemani	12 weeks
CS 654	noc19-cs40	Programming, Data Structures And Algorithms Using Python	Prof. Madhavan Mukund	8 weeks
CS 661	noc19-cs60	Data Science for Engineers	Prof. Ragunathan Rengasamy and Prof. Shankar Narasimhan	8 Weeks
CS 668	noc19-cs63	Blockchain Architecture Design and Use Cases	Prof. Sandip Chakraborty & Prof. Praveen Jayachandran	12 Weeks
CS 657	noc19-cs64	Cloud Computing	Prof. Soumya Kanti Ghosh	8 weeks
CS 653	noc19-cs65	Introduction to Internet of Things	Prof. Sudip Misra	12 Weeks
CS 662	noc19-cs82	Machine Learning for Engineering and Science Applications	Prof. Balaji Srinivasan and Prof. Ganapathy	12 weeks
CS 660	noc19-cs84	Programming In Java	Prof. Debasis Samanta	12 weeks

In addition to the above list, the following new courses may be introduced in the Autumn 2019 based on interest of the students. Interested students are hereby informed to express their interest at the earliest in the dept. office.

Course Id	Course Name	SME Name	Institute	Duration
noc19-cs45	Introduction to parallel Programming in Open MP	Prof. Yogish Sabharwal	IITD	4 Weeks
noc19-cs54	Deep Learning	Prof. Prabir Kumar Biswas	IITKGP	12 Weeks
noc19-cs55	Reinforcement Learning	Prof. Balaraman Ravindran	IIT Madras	12 Weeks
noc19-cs68	Ethical Hacking	Prof. Indranil Sengupta Prof. S. K Ghosh	IITKGP	12 Weeks
noc19-cs72	Hardware modeling using verilog	Prof. Indranil Sengupta	IITKGP	8 Weeks
noc19-cs73	Synthesis of Digital Systems	Prof. Preeti Ranjan Panda	IITD	12 Weeks
noc19-cs75	Demystifying networking	Prof. Sridhar Iyer	IITB	4 Weeks
noc19-cs76	Spatial Informatics	Prof. Soumya K Ghosh	IITKGP	8 weeks
noc19-cs79	Theory of Computation	Prof. Raghunath Tewari	IITK	8 weeks
noc19-cs80	Introduction To Haskell Programming	Prof. Madhavan Mukund Prof. S. P Suresh	CMI	8 weeks
noc19-cs81	Practical Machine Learning with Tensorflow	Prof. Ashish Tendulkar Prof. B. Ravindran	IITM & Google	8 weeks
noc19-cs86	Human Computer Interactions	Prof. K.Ponnurangam	IIITD	8 weeks