

Seq	Course Id	Discipline	Course Name	SME Name	Institute	Duration	Type	Course Start Date	Course End Date	Exam date	FDP
1	noc19-cs38	Computer Science and Engineering	Programming in C++	Prof. Partha Pratim Das	IITKGP	8 weeks	Rerun	29-Jul-19	20-Sep-19	29 September 2019	Yes
2	noc19-cs39	Computer Science and Engineering	An Introduction To Programming Through C++	Prof. Abhiram Ranade	IITB	12 Weeks	New	29-Jul-19	18-Oct-19	17 November 2019	
3	noc19-cs40	Computer Science and Engineering	Programming, Data Structures And Algorithms Using Python	Prof. Madhavan Mukund	CMI	8 weeks	Rerun	29-Jul-19	20-Sep-19	29 September 2019	Yes
4	noc19-cs41	Computer Science and Engineering	The Joy of Computing using Python	Prof. Sudarshan Iyengar	IITRopar	12 Weeks	Rerun	29-Jul-19	18-Oct-19	17 November 2019	Yes
5	noc19-cs42	Computer Science and Engineering	Introduction to Programming in C	Prof. Satyadev Nandakumar	IITK	8 weeks	Rerun	29-Jul-19	20-Sep-19	29 September 2019	Yes
6	noc19-cs43	Computer Science and Engineering	Problem Solving through Programming in C	Prof. Anupam Basu	IITKGP	12 Weeks	Rerun	29-Jul-19	18-Oct-19	16 November 2019	Yes
7	noc19-cs44	Computer Science and Engineering	C Programming and Assembly Language	Prof. Janakiraman Viraraghavan	IITM	4 Weeks	New	29-Jul-19	23-Aug-19	29 September 2019	Yes
8	noc19-cs45	Computer Science and Engineering	Introduction to parallel Programming in Open MP	Prof. Yogish Sabharwal	IITD	4 Weeks	Rerun	26-Aug-19	20-Sep-19	17 November 2019	Yes
9	noc19-cs46	Computer Science and Engineering	Data Base Management System	Prof. Partha Pratim Das	IITKGP	8 weeks	Rerun	29-Jul-19	20-Sep-19	29 September 2019	
10	noc19-cs47	Computer Science and Engineering	Design and analysis of algorithms	Prof. Madhavan Mukund	CMI	8 weeks	Rerun	26-Aug-19	18-Oct-19	17 November 2019	Yes
11	noc19-cs48	Computer Science and Engineering	Object oriented analysis and design	Prof. Partha Pratim Das	IITKGP	8 weeks	Rerun	26-Aug-19	18-Oct-19	16 November 2019	Yes
12	noc19-cs49	Computer Science and Engineering	Discrete Mathematics	Prof. Sajith Gopalan, Prof. Benny George K	IITG	12 Weeks	New	29-Jul-19	18-Oct-19	17 November 2019	
13	noc19-cs50	Computer Science and Engineering	Introduction to Operating Systems	Prof. Chester Rebeiro	IITM	8 weeks	Rerun	29-Jul-19	20-Sep-19	29 September 2019	
14	noc19-cs51	Computer Science and Engineering	Operating System Fundamentals	Prof. Santanu Chattopadhyay	IITKGP	12 Weeks	New	29-Jul-19	18-Oct-19	17 November 2019	
15	noc19-cs52	Computer Science and Engineering	Introduction to Machine Learning	Prof. Sudeshna Sarkar	IITKGP	8 weeks	Rerun	29-Jul-19	20-Sep-19	29 September 2019	Yes
16	noc19-cs53	Computer Science and Engineering	Introduction to Machine Learning	Prof. Balaraman Ravindran	IIT Madras	12 Weeks	Rerun	29-Jul-19	18-Oct-19	17 November 2019	Yes
17	noc19-cs54	Computer Science and Engineering	Deep Learning	Prof. Prabir Kumar Biswas	IITKGP	12 Weeks	New	29-Jul-19	18-Oct-19	16 November 2019	Yes

18	noc19-cs55	Computer Science and Engineering	Reinforcement Learning	Prof. Balaraman Ravindran	IIT Madras	12 Weeks	Rerun	29-Jul-19	18-Oct-19	16 November 2019	Yes
19	noc19-cs56	Computer Science and Engineering	Natural Language Processing	Prof. Pawan Goyal	IITKGP	12 Weeks	Rerun	29-Jul-19	18-Oct-19	16 November 2019	Yes
20	noc19-cs57	Computer Science and Engineering	Applied Natural Language Processing	Prof. Ramaseshan R	CMI	12 Weeks	New	29-Jul-19	18-Oct-19	16 November 2019	Yes
21	noc19-cs58	Computer Science and Engineering	Computer Vision	Prof. Jayanta Mukhopadhyay	IITKGP	12 Weeks	New	29-Jul-19	18-Oct-19	16 November 2019	Yes
22	noc19-cs59	Computer Science and Engineering	Python for Data Science	Prof. Raghunathan Rengasamy	IIT Madras	4 Weeks	New	26-Aug-19	20-Sep-19	16 November 2019	Yes
23	noc19-cs60	Computer Science and Engineering	Data Science for Engineers	Prof. Ragunathan Rengasamy and Prof. Shankar Narasimhan	IIT Madras	8 Weeks	Rerun	29-Jul-19	20-Sep-19	29 September 2019	Yes
24	noc19-cs61	Computer Science and Engineering	Scalable Data Science	Prof. Anirban Dasgupta and Prof. Sourangshu Bhattacharya	IITKGP	8 weeks	Rerun	29-Jul-19	20-Sep-19	29 September 2019	Yes
25	noc19-cs62	Computer Science and Engineering	Advanced Computer Architecture	Prof. John Jose	IITG	8 weeks	New	29-Jul-19	20-Sep-19	29 September 2019	Yes
26	noc19-cs63	Computer Science and Engineering	Blockchain Architecture Design and Use Cases	Prof. Sandip Chakraborty & Prof. Praveen Jayachandran	IITKGP	12 Weeks	Rerun	29-Jul-19	18-Oct-19	17 November 2019	Yes
27	noc19-cs64	Computer Science and Engineering	Cloud Computing	Prof. Soumya Kanti Ghosh	IITKGP	8 weeks	Rerun	26-Aug-19	18-Oct-19	16 November 2019	Yes
28	noc19-cs65	Computer Science and Engineering	Introduction to Internet of Things	Prof. Sudip Misra	IITKGP	12 Weeks	Rerun	29-Jul-19	18-Oct-19	17 November 2019	Yes
29	noc19-cs66	Computer Science and Engineering	Social Networks	Prof. Poonam Saini Prof. Sudarshan Iyen	Punjab Engineering College & IIT Ropar	12 weeks	Rerun	29-Jul-19	18-Oct-19	16 November 2019	Yes
30	noc19-cs67	Computer Science and Engineering	Discrete Mathematics	Prof. Sudarshan Iyengar	IITRopar	12 Weeks	Rerun	29-Jul-19	18-Oct-19	17 November 2019	
31	noc19-cs68	Computer Science and Engineering	Ethical Hacking	Prof. Indranil Sengupta Prof. S. K Ghosh	IITKGP	12 Weeks	New	29-Jul-19	18-Oct-19	16 November 2019	Yes
32	noc19-cs69	Computer Science and Engineering	Software Engineering	Prof. Rajib Mall	IITKGP	12 Weeks	Rerun	29-Jul-19	18-Oct-19	17 November 2019	Yes
33	noc19-cs70	Computer Science and Engineering	Software Project Management	Prof. Rajib Mall and Prof. Durga Prasad Mohapatra	IITKGP	12 Weeks	New	29-Jul-19	18-Oct-19	16 November 2019	Yes
34	noc19-cs71	Computer Science and Engineering	Software testing	Prof. Meenakshi D'souza	IIITB	12 Weeks	Rerun	29-Jul-19	18-Oct-19	17 November 2019	Yes
35	noc19-cs72	Computer Science and Engineering	Hardware modeling using verilog	Prof. Indranil Sengupta	IITKGP	8 Weeks	Rerun	26-Aug-19	18-Oct-19	16 November 2019	Yes
36	noc19-cs73	Computer Science and Engineering	Synthesis of Digital Systems	Prof. Preeti Ranjan Panda	IITD	12 Weeks	Rerun	29-Jul-19	18-Oct-19	17 November 2019	Yes

37	noc19-cs74	Computer Science and Engineering	Switching Circuits and Logic Design	Prof. Indranil Sengupta	IITKGP	12 Weeks	Rerun	29-Jul-19	18-Oct-19	16 November 2019	Yes
38	noc19-cs75	Computer Science and Engineering	Demystifying networking	Prof. Sridhar Iyer	IITB	4 Weeks	New	29-Jul-19	23-Aug-19	29 September 2019	Yes
39	noc19-cs76	Computer Science and Engineering	Spatial Informatics	Prof. Soumya K Ghosh	IITKGP	8 weeks	New	26-Aug-19	18-Oct-19	17 November 2019	Yes
40	noc19-cs78	Computer Science and Engineering	Modern Algebra	Prof. Manindra Agrawal	IITK	8 weeks	Rerun	26-Aug-19	18-Oct-19	17 November 2019	Yes
41	noc19-cs79	Computer Science and Engineering	Theory of Computation	Prof. Raghunath Tewari	IITK	8 weeks	Rerun	29-Jul-19	20-Sep-19	29 September 2019	Yes
42	noc19-cs80	Computer Science and Engineering	Introduction To Haskell Programming	Prof. Madhavan Mukund Prof. S. P Suresh	CMI	8 weeks	Rerun	26-Aug-19	18-Oct-19	16 November 2019	Yes
43	noc19-cs81	Computer Science and Engineering	Practical Machine Learning with Tensorflow	Prof. Ashish Tendulkar Prof. B. Ravindran	IITM & Google	8 weeks	New	26-Aug-19	18-Oct-19	16 November 2019	Yes
44	noc19-cs82	Computer Science and Engineering	Machine Learning for Engineering and Science Applications	Prof. Balaji Srinivasan and Prof. Ganapathy	IITM	12 weeks	Rerun	29-Jul-19	18-Oct-19	17 November 2019	Yes
45	noc19-cs83	Computer Science and Engineering	Artificial Intelligence Search Methods For Problem Solving	Prof. Deepak Khemani	IITM	12 weeks	Rerun	29-Jul-2019	18-Oct-19	16 November 2019	Yes
46	noc19-cs84	Computer Science and Engineering	Programming In Java	Prof. Debasis Samanta	IIT Kharagpur	12 weeks	Rerun	29-Jul-2019	18-Oct-19	16 November 2019	Yes
47	noc19-cs85	Computer Science and Engineering	Deep Learning – Part 1	Prof. Mitesh M. Khapra Prof. Sudarshan Iyengar	IITM	12 weeks	Rerun	29-Jul-2019	18-Oct-19	16 November 2019	Yes
48	noc19-cs86	Computer Science &	Human Computer Int	Prof. K. Ponnurangam	IITD	8 weeks	Rerun	26-Aug-19	18-Oct-19	16 November 2019	Yes