Seq	Course Id	Discipline	Course Name	SME Name	Institute	Duration	Type	Course Start Date	Course End Date	Exam date	FDP
1	noc19-ma18	Mathematics	Calculus of One Real Variable	Prof. Joydeep Dutta	IITK	8 weeks	Rerun	29-Jul-19	20-Sep-19	29 September 2019	
2	noc19-ma19	Mathematics	Calculus of Several Real Variables	Prof. Joydeep Dutta	IITK	8 weeks	New	26-Aug-19	18-Oct-19	17 November 2019	
3	noc19-ma20	Mathematics	Integral Transforms And Their Applications	Prof. Sarthok Sircar	IITD	12 weeks	New	29-Jul-19	18-Oct-19	17 November 2019	Yes
4	noc19-ma21	Mathematics	Numerical methods	Prof. Ameeya Kumar Nayak and Prof. Sanjeev Kumar	IITR	8 weeks	Rerun	26-Aug-19	18-Oct-19	16 November 2019	
5	noc19-ma22	Mathematics	Higher Engineering Mathematics	Prof. P. N. Agarwal	IITR	12 Weeks	New	29-Jul-19	18-Oct-19	17 November 2019	Yes
6	noc19-ma23	Mathematics	Introduction to Abstract and Linear Algebra	Prof. Sourav Mukhopadhyay	IITKGP	8 weeks	Rerun	26-Aug-19	18-Oct-19	16 November 2019	Yes
7	noc19-ma24	Mathematics	Introduction to Abstract Group Theory	Prof. Krishna Hanumanthu	CMI	8 weeks	Rerun	26-Aug-19	18-Oct-19	16 November 2019	Yes
8	noc19-ma25	Mathematics	Introduction To Rings And Fields	Prof. Krishna Hanumanthu	CMI	8 Weeks	New	26-Aug-19	18-Oct-19	17 November 2019	Yes
9	noc19-ma26	Mathematics	Mathematical Finance	Prof. N. Selvaraju, Prof. Siddhartha Pratim Chakrabarty	IITG	12 Weeks	New	29-Jul-19	18-Oct-19	16 November 2019	Yes
10	noc19-ma27	Mathematics	Mathematical Methods for Boundary Value Problems	Prof. Somnath Bhattacharya	IITKGP	4 Weeks	New	29-Jul-19	23-Aug-19	29 September 2019	Yes
11	noc19-ma28	Mathematics	Matrix Analysis with Applications	Prof. S.K.Gupta, Prof. Sanjeev Kumar	IITR	8 weeks	Rerun	26-Aug-19	18-Oct-19	17 November 2019	Yes
12	noc19-ma29	Mathematics	Operations Research	Prof. Kusumdeep	IITR	8 Weeks	New	29-Jul-19	20-Sep-19	29 September 2019	
13	noc19-ma30	Mathematics	Stochastic Processes	Prof. S Dharmaraja	IITD	12 Weeks	Rerun	29-Jul-19	18-Oct-19	17 November 2019	Yes
14	noc19-ma31	Mathematics	Introduction to Fuzzy Set Theory, Arithmetic and Logic	Prof. Niladri Chaterjee	IITD	12 Weeks	New	29-Jul-19	18-Oct-19	16 November 2019	Yes
15	noc19-ma32	Mathematics	Regression analysis	Prof. Soumen Maity	IISER PUNE	12 Weeks	Rerun	29-Jul-19	18-Oct-19	16 November 2019	Yes
16	noc19-ma33	Mathematics	Introduction to R Software	Prof. Shalabh	IITK	8 Weeks	Rerun	26-Aug-19	18-Oct-19	17 November 2019	
17	noc19-ma34	Mathematics	Introduction to Methods of Applied Mathematics	Prof. Mani Mehra, Prof. Vivek Kumar Aggarwal	IITD	12 Weeks	New	29-Jul-19	18-Oct-19	16 November 2019	Yes