

TIMELINE	4 Weeks (SET 1)	8 Weeks (SET 1)	12 Weeks	4 Weeks (SET 2)	8 Weeks (SET 2)													
Start of Course	July 25, 2022	July 25, 2022	July 25, 2022	August 22, 2022	August 22, 2022													
End of Course	August 19, 2022	September 16, 2022	October 14, 2022	September 16, 2022	October 14, 2022													
Exam Dates - 1	September 25, 2022 - 2 Sessions on each		October 29/30, 2022 - 2 Sessions on each date - 9am-12 noon;															
Open enrollment to the Course	May 20, 2022																	
Close enrollment to the Course	August 1, 2022			August 22, 2022														
Open exam registration form	June 22, 2022																	
Close exam registration form	August 15, 2022		September 12, 2022															
Course Id	Discipline	Course Name	SME Name	Institute	Co-ordinating Institute	Duration	Type of course	Start date	End date	Exam date	Enrollment End date	UG/PG	Core/Elective	FDP	Applicable NPTEL Domain	Click here to join the course	Old course URL	NPTEL URL
noc22-ae10	Aerospace Engineering	Aircraft Stability and Control	Prof. A.K.Ghosh	IITK	IITK	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG	Core	No	Flight Mechanics	https://onlinecourses.nptel.ac.in/noc22_ae10/preview	https://onlinecourses.nptel.ac.in/noc21_ae08/preview	https://nptel.ac.in/cou rses/101104062
noc22-ae11	Aerospace Engineering	Introduction to Airplane performance	Prof. A K Ghosh Prof Deepu Philip	IITK	IITK	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG	Core	No	Flight Mechanics	https://onlinecourses.nptel.ac.in/noc22_ae11/preview	https://onlinecourses.nptel.ac.in/noc21_ae08/preview	https://nptel.ac.in/cou rses/101104061
noc22-ae12	Aerospace Engineering	Introduction to Airbreathing Propulsion	Prof. Ashoke De	IITK	IITK	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Core/ Elective	Yes	Flight Mechanics	https://onlinecourses.nptel.ac.in/noc22_ae12/preview	https://onlinecourses.nptel.ac.in/noc21_ae10/preview	https://nptel.ac.in/cou rses/101104084
noc22-ae13	Aerospace Engineering	Introduction to Aerospace Engineering-Flight	Prof. Rajkumar Pant	IITB	IITB	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG	Core	No	Flight Mechanics	https://onlinecourses.nptel.ac.in/noc22_ae13/preview	https://onlinecourses.nptel.ac.in/noc21_ae11/preview	https://nptel.ac.in/cou rses/101101079
noc22-ae14	Aerospace Engineering	Introduction to Aircraft Design	Prof. Rajkumar Pant	IITB	IITB	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Flight Mechanics	https://onlinecourses.nptel.ac.in/noc22_ae14/preview	https://onlinecourses.nptel.ac.in/noc21_ae12/preview	https://nptel.ac.in/cou rses/101101083
noc22-ae15	Aerospace Engineering	Design of fixed wing Unmanned Aerial Vehicles	Prof. Subrahmanyam Saderla	IITK	IITK	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ae15/preview	https://onlinecourses.nptel.ac.in/noc21_ae13/preview	https://nptel.ac.in/cou rses/101104073
noc22-ae16	Aerospace Engineering	UAV Design - Part II	Prof. Saderla Subrahmanyam	IITK	IITK	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Flight Mechanics	https://onlinecourses.nptel.ac.in/noc22_ae16/preview	https://onlinecourses.nptel.ac.in/noc21_ae14/preview	https://nptel.ac.in/cou rses/101104083
noc22-ae17	Aerospace Engineering	Engineering Thermodynamics	Prof. D. P. Mishra	IITK	IITK	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG	Core	No		https://onlinecourses.nptel.ac.in/noc22_ae17/preview	https://onlinecourses.nptel.ac.in/noc20_ae09/preview	https://nptel.ac.in/cou rses/101104063
noc22-ae18	Aerospace Engineering	Aerodynamic Design of Axial Flow Compressors & Fans	Prof. Chetankumar Sureshbhai Mistry	IITKGP	IITKGP	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ae18/preview		https://nptel.ac.in/cou rses/101105089
noc22-ae19	Aerospace Engineering	Aircraft Structures - I	Prof. Anup Ghosh	IITKGP	IITKGP	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_ae19/preview	https://onlinecourses.nptel.ac.in/noc20_ae08/preview	https://nptel.ac.in/cou rses/101105084
noc22-ae20	Aerospace Engineering	Introduction To CFD	Prof. Arnab Roy	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ae20/preview	https://onlinecourses.nptel.ac.in/noc20_ae11/preview	https://nptel.ac.in/cou rses/101105085
noc22-ae21	Aerospace Engineering	Space Flight Mechanics	Prof. Manoranjan Sinha	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Flight Mechanics	https://onlinecourses.nptel.ac.in/noc22_ae21/preview	https://onlinecourses.nptel.ac.in/noc20_ae06/preview	https://nptel.ac.in/cou rses/101105083
noc22-ag06	Agriculture Engineering	Dairy And Food Process And Products Technology	Prof. Tridib Kumar Goswami	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ag06/preview	https://onlinecourses.nptel.ac.in/noc21_ag02/preview	https://nptel.ac.in/cou rses/126105013
noc22-ag07	Agriculture Engineering	Farm Machinery	Prof. Virendra Kumar Tewari	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG	Core	No		https://onlinecourses.nptel.ac.in/noc22_ag07/preview	https://onlinecourses.nptel.ac.in/noc21_ag06/preview	https://nptel.ac.in/cou rses/126105009
noc22-ag08	Agriculture Engineering	Fundamentals Of Food Process Engineering	Prof. Jayeeta Mitra	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG	Core	No		https://onlinecourses.nptel.ac.in/noc22_ag08/preview	https://onlinecourses.nptel.ac.in/noc21_ag01/preview	https://nptel.ac.in/cou rses/126105011
noc22-ag09	Agriculture Engineering	Sustainable Agricultural Production	Prof. Dilip Kumar Swain	IITKGP	IITKGP	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_ag09/preview	https://onlinecourses.nptel.ac.in/noc21_ag05/preview	https://nptel.ac.in/cou rses/126105014
noc22-ag10	Agriculture Engineering	Natural Resources Management	Prof. Sudip Mitra	IITG	IITG	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ag10/preview		https://nptel.ac.in/cou rses/126103022
noc22-ag11	Agriculture Engineering	Micro Irrigation Engineering	Prof. Kamlesh Narayan Tiwari	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ag11/preview	https://onlinecourses.nptel.ac.in/noc21_ag08/preview	https://nptel.ac.in/cou rses/126105019
noc22-ag12	Agriculture Engineering	Aquaculture Technology	Prof. Gourav Dhar Bhowmick	IITKGP	IITKGP	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ag12/preview		https://nptel.ac.in/cou rses/126105022
noc22-ag13	Agriculture Engineering	Operations and Processing of Fruits, Vegetables, Spices and Plantation Crop	Prof. H N Mishra	IITKGP	IITKGP	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ag13/preview		https://nptel.ac.in/cou rses/126105023
noc22-ag14	Agriculture Engineering	Soil Fertility And Fertilizers	Prof. Somsubhra Chakraborty	IITKGP	IITKGP	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ag14/preview		https://nptel.ac.in/cou rses/126105024
noc22-ar08	Architecture and Planning	Architectural Conservation And Historic Preservation	Prof. Sanghamitra Basu	IITKGP	IITKGP	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ar08/preview	https://onlinecourses.nptel.ac.in/noc20_ce14/preview	https://nptel.ac.in/cou rses/124105003

noc22-ar09	Architecture and Planning	Role of Craft and Technology in Interior - Architecture	Prof. Smriti Saraswat	IITR	IITR	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_ar09/preview	https://onlinecourses.nptel.ac.in/noc21_ar09/preview	https://nptel.ac.in/courses/124107006
noc22-ar10	Architecture and Planning	and Development Management (UGDM)	Prof. Uttam Kumar Roy	IITR	IITR	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ar10/preview	https://onlinecourses.nptel.ac.in/noc21_ar10/preview	https://nptel.ac.in/courses/124107007
noc22-ar11	Architecture and Planning	Contemporary Architecture and Design	Prof. Saptarshi Kolay	IITR	IITR	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ar11/preview	https://onlinecourses.nptel.ac.in/noc21_ar08/preview	https://nptel.ac.in/courses/124107005
noc22-ar12	Architecture and Planning	Sustainable Architecture	Prof. Avlokita Agrawal	IITR	IITR	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG	Core	No		https://onlinecourses.nptel.ac.in/noc22_ar12/preview	https://onlinecourses.nptel.ac.in/noc21_ar03/preview	https://nptel.ac.in/courses/124107011
noc22-ar13	Architecture and Planning	Modern Indian Architecture	Prof. P.S. Chani	IITR	IITR	8 Weeks	New	#####	Oct 14, 2022	Oct 29, 2022	#####	UG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ar13/preview		https://nptel.ac.in/courses/124107161
noc22-ar14	Architecture And Planning	Building Materials And Composites	Prof. Sumana Gupta	IITKGP	IITKGP	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG	Core	No	Construction Materials Technology	https://onlinecourses.nptel.ac.in/noc22_ar14/preview	https://onlinecourses.nptel.ac.in/noc21_ar11/preview	https://nptel.ac.in/courses/124105013
noc22-ar15	Architecture And Planning	Urban Landuse And Transportation Planning	Prof. Debapratim Pandit	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_ar15/preview	https://onlinecourses.nptel.ac.in/noc21_ar14/preview	https://nptel.ac.in/courses/124105016
noc22-ar16	Architecture And Planning	Planning: Water Supply, Sanitation and Drainage	Prof. Debapratim Pandit	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ar16/preview	https://onlinecourses.nptel.ac.in/noc21_ar13/preview	https://nptel.ac.in/courses/124105158
noc22-ar17	Architecture And Planning	International Studies in Vernacular Architecture	Prof. Ram Sateesh Pasupuleti Prof. Yenny Gunawan Prof. Melissa Malouf Belz	IITR	IITR	4 Weeks	New	#####	Sep 16, 2022	Oct 29, 2022	#####	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ar17/preview		https://nptel.ac.in/courses/124107162
noc22-ar18	Architecture And Planning	Introduction to Urban Planning	Prof. Harshit Sosan Lakra	IITR	IITR	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_ar18/preview	https://onlinecourses.nptel.ac.in/noc21_ar12/preview	https://nptel.ac.in/courses/124107158
noc22-bt32	Biotechnology and Bioengineering	Cellular biophysics: a framework for quantitative biology	Prof. Chaitanya A.Athale	IISER pune	IITM	8 Weeks	New	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	PG	Elective	Yes	Bioengineering	https://onlinecourses.nptel.ac.in/noc22_bt32/preview		https://nptel.ac.in/courses/102106093
noc22-bt33	Biotechnology and Bioengineering	Introduction to Cell Biology	Prof. Nagaraj Balasubramanian Prof. Girish Ratnaparkhi	IISER pune	IITM	8 Weeks	New	#####	Oct 14, 2022	Oct 30, 2022	#####	UG	Core	No		https://onlinecourses.nptel.ac.in/noc22_bt33/preview		https://nptel.ac.in/courses/102106096
noc22-bt34	Biotechnology and Bioengineering	Medical Image Analysis	Prof. Ganapathy krishnamurthi	IITM	IITM	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_bt34/preview		https://nptel.ac.in/courses/102106094
noc22-bt35	Biotechnology and Bioengineering	Genome Editing and Engineering	Prof. Utpal Bora	IITG	IITG	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Biosciences	https://onlinecourses.nptel.ac.in/noc22_bt35/preview		https://nptel.ac.in/courses/102103093
noc22-bt36	Biotechnology and Bioengineering	Industrial Biotechnology	Prof. Debabrata Das	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG	Core	No		https://onlinecourses.nptel.ac.in/noc22_bt36/preview	https://onlinecourses.nptel.ac.in/noc21_bt23/preview	https://nptel.ac.in/courses/102105058
noc22-bt37	Biotechnology and Bioengineering	Computer Aided Drug Design	Prof. Mukesh Doble	IITM	IITM	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Core	Yes	Computational Biology	https://onlinecourses.nptel.ac.in/noc22_bt37/preview	https://onlinecourses.nptel.ac.in/noc21_bt29/preview	https://nptel.ac.in/courses/102106070
noc22-bt38	Biotechnology and Bioengineering	Plant Cell Bioprocessing	Prof. Smita Srivastava	IITM	IITM	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG	Core	No	Bioprocesses	https://onlinecourses.nptel.ac.in/noc22_bt38/preview	https://onlinecourses.nptel.ac.in/noc21_bt34/preview	https://nptel.ac.in/courses/102106080
noc22-bt39	Biotechnology and Bioengineering	Introduction to Developmental Biology	Prof. Subramaniam K	IITM	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Biosciences	https://onlinecourses.nptel.ac.in/noc22_bt39/preview	https://onlinecourses.nptel.ac.in/noc21_bt43/preview	https://nptel.ac.in/courses/102106084
noc22-bt40	Biotechnology and Bioengineering	Immunology	Prof. Sudip Kumar Ghosh Prof. Agneyo Ganguly	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG	Core	No	Biosciences	https://onlinecourses.nptel.ac.in/noc22_bt40/preview	https://onlinecourses.nptel.ac.in/noc21_bt49/preview	https://nptel.ac.in/courses/102105083
noc22-bt41	Biotechnology and Bioengineering	Drug Delivery: Principles and Engineering	Prof. Rachit Agarwal	IISc	IISc	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Bioengineering	https://onlinecourses.nptel.ac.in/noc22_bt41/preview	https://onlinecourses.nptel.ac.in/noc21_bt37/preview	https://nptel.ac.in/courses/102108077
noc22-bt42	Biotechnology and Bioengineering	Functional Genomics	Prof. S.Ganesh	IITK	IITK	4 weeks	Rerun	#####	Sep 16, 2022	Oct 29, 2022	#####	UG	Elective	Yes	Computational Biology	https://onlinecourses.nptel.ac.in/noc22_bt42/preview	https://onlinecourses.nptel.ac.in/noc21_bt39/preview	https://nptel.ac.in/courses/102104056

noc22-bt43	Biotechnology and Bioengineering	Introduction to mechanobiology	Prof. Shamik Sen	IITB	IITB	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG	Core	No	Bioengineering	https://onlinecourses.nptel.ac.in/noc22_bt43/preview	https://onlinecourses.nptel.ac.in/noc21_bt31/preview	https://nptel.ac.in/courses/102101058
noc22-bt44	Biotechnology and Bioengineering	Introduction to Biostatistics	Prof. Shamik Sen	IITB	IITB	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Core/Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_bt44/preview	https://onlinecourses.nptel.ac.in/noc21_bt32/preview	https://nptel.ac.in/courses/102101056
noc22-bt45	Biotechnology and Bioengineering	Fundamentals of micro and nanofabrication	Prof Sushobhan Avasti Prof. Shankar Selvaraja	IISc	IISc	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_bt45/preview	https://onlinecourses.nptel.ac.in/noc21_bt38/preview	https://nptel.ac.in/courses/102108078
noc22-bt46	Biotechnology and Bioengineering	Biomedical nanotechnology	Prof. P.Gopinath	IITR	IITR	4 weeks	Rerun	#####	Sep 16, 2022	Oct 29, 2022	#####	UG/PG	Elective	Yes	Bioengineering	https://onlinecourses.nptel.ac.in/noc22_bt46/preview	https://onlinecourses.nptel.ac.in/noc21_bt30/preview	https://nptel.ac.in/courses/102107058
noc22-bt47	Biotechnology and Bioengineering	Introduction to proteomics	Prof. Sanjeeva Srivastava	IITB	IITB	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Biosciences	https://onlinecourses.nptel.ac.in/noc22_bt47/preview	https://onlinecourses.nptel.ac.in/noc21_bt26/preview	https://nptel.ac.in/courses/102101055
noc22-bt48	Biotechnology and Bioengineering	Principles Of Downstream Techniques In Bioprocess	Prof. Mukesh Doble	IITM	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Bioprocesses	https://onlinecourses.nptel.ac.in/noc22_bt48/preview	https://onlinecourses.nptel.ac.in/noc21_bt27/preview	https://nptel.ac.in/courses/102106022
noc22-bt49	Biotechnology and Bioengineering	Bioreactors	Prof. G.K. Surashkumar	IITM	IITM	4 Weeks	Rerun	Jul 25, 2022	Aug 19, 2022	Sep 25, 2022	Aug 1, 2022	UG	Core	No		https://onlinecourses.nptel.ac.in/noc22_bt49/preview	https://onlinecourses.nptel.ac.in/noc21_bt28/preview	https://nptel.ac.in/courses/102106053
noc22-bt50	Biotechnology and Bioengineering	Tissue engineering	Prof. Vignesh Muthuvijayan	IITM	IITM	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	PG	Elective	Yes	Bioengineering	https://onlinecourses.nptel.ac.in/noc22_bt50/preview	https://onlinecourses.nptel.ac.in/noc21_bt33/preview	https://nptel.ac.in/courses/102106081
noc22-bt51	Biotechnology and Bioengineering	Transport Phenomena in Biological Systems	Prof. G. K. Surashkumar	IITM	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Core	Yes	Bioengineering Bioprocesses	https://onlinecourses.nptel.ac.in/noc22_bt51/preview	https://onlinecourses.nptel.ac.in/noc21_bt40/preview	https://nptel.ac.in/courses/102106083
noc22-bt52	Biotechnology and Bioengineering	Introduction to Proteogenomics	Prof. Sanjeeva Srivastava	IITB	IITB	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Computational Biology	https://onlinecourses.nptel.ac.in/noc22_bt52/preview	https://onlinecourses.nptel.ac.in/noc21_bt25/preview	https://nptel.ac.in/courses/102101076
noc22-bt54	Biotechnology and Bioengineering	Conservation Geography	Prof. Ankur Awadhiya	IITK	IITK	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_bt54/preview	https://onlinecourses.nptel.ac.in/noc21_bt44/preview	https://nptel.ac.in/courses/102104088
noc22-bt55	Biotechnology and Bioengineering	Wildlife Ecology	Prof. Ankur Awadhiya	IITK	IITK	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_bt55/preview	https://onlinecourses.nptel.ac.in/noc21_bt45/preview	https://nptel.ac.in/courses/102104068
noc22-bt56	Biotechnology and Bioengineering	Introduction to Biomedical Imaging Systems	Prof. Arun K. Thittai	IITM	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Core/Elective	Yes	Control and Instrumentation	https://onlinecourses.nptel.ac.in/noc22_bt56/preview	https://onlinecourses.nptel.ac.in/noc21_bt50/preview	https://nptel.ac.in/courses/102105090
noc22-bt57	Biotechnology and Bioengineering	Environmental Biotechnology	Prof. Pinaki Sar	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Bioprocesses	https://onlinecourses.nptel.ac.in/noc22_bt57/preview	https://onlinecourses.nptel.ac.in/noc21_bt41/preview	https://nptel.ac.in/courses/102105088
noc22-bt58	Biotechnology and Bioengineering	Introduction to Dynamical Models in Biology	Prof. Biplab Bose	IITG	IITG	4 weeks	Rerun	#####	Sep 16, 2022	Oct 30, 2022	#####	UG/PG	Elective	Yes	Computational Biology	https://onlinecourses.nptel.ac.in/noc22_bt58/preview	https://onlinecourses.nptel.ac.in/noc21_bt42/preview	https://nptel.ac.in/courses/102103056
noc22-bt59	Biotechnology and Bioengineering	Genetic Engineering: Theory and Application	Prof. Vishal Trivedi	IITG	IITG	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Bioprocesses Biosciences	https://onlinecourses.nptel.ac.in/noc22_bt59/preview	https://onlinecourses.nptel.ac.in/noc21_bt35/preview	https://nptel.ac.in/courses/102103074
noc22-bt60	Biotechnology and Bioengineering	Experimental Biotechnology	Prof. Vishal Trivedi	IITG	IITG	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	PG	Elective	Yes	Bioprocesses Biosciences	https://onlinecourses.nptel.ac.in/noc22_bt60/preview	https://onlinecourses.nptel.ac.in/noc21_bt36/preview	https://nptel.ac.in/courses/102103083
noc22-bt61	Biotechnology and Bioengineering	Organ Printing	Prof. Falguni Pati	IIT Hyderabad	IITM	8 Weeks	New	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	PG	Elective	Yes	Bioengineering	https://onlinecourses.nptel.ac.in/noc22_bt61/preview		https://nptel.ac.in/courses/102106095
noc22-bt62	Biotechnology and Bioengineering	Fundamentals of Protein Chemistry	Prof. Swagata Dasgupta	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Core	Yes	Biosciences	https://onlinecourses.nptel.ac.in/noc22_bt62/preview	https://onlinecourses.nptel.ac.in/noc21_bt48/preview	https://nptel.ac.in/courses/102105089
noc22-bt63	Biotechnology and Bioengineering	Animal Physiology	Prof. Mainak Das	IITK	IITK	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_bt63/preview	https://onlinecourses.nptel.ac.in/noc21_bt46/preview	https://nptel.ac.in/courses/102104058

noc22-bt64	Biotechnology and Bioengineering	Cell Culture Technologies	Prof. Mainak Das	IITK	IITK	8 Weeks	Rerun	#####	Oct 14, 2022	Oct 29, 2022	#####	PG	Elective	Yes	Bioengineering Biosciences	https://onlinecourses.nptel.ac.in/noc22_bt64/preview	https://onlinecourses.nptel.ac.in/noc21_bt47/preview	https://nptel.ac.in/courses/102104059
noc22-ch38	Chemical Engineering	Technologies For Clean And Renewable Energy Production	Prof. P. Mondal	IITR	IITR	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Energy and Environment Energy Systems	https://onlinecourses.nptel.ac.in/noc22_ch38/preview	https://onlinecourses.nptel.ac.in/noc21_ch42/preview	https://nptel.ac.in/courses/103107157
noc22-ch39	Chemical Engineering	Chemical Engineering Thermodynamics	Prof. Jayant K. Singh	IITK	IITK	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG	Core	No	Minor 1 in Chemical, Minor 2 in Chemical, Minor 3 in Chemical	https://onlinecourses.nptel.ac.in/noc22_ch39/preview	https://onlinecourses.nptel.ac.in/noc21_ch43/preview	https://nptel.ac.in/courses/103104151
noc22-ch40	Chemical Engineering	Fluid and Particle Mechanics	Prof. Sumesh Prof. Basavaraju	IITM	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG	Core	No	Minor 3	https://onlinecourses.nptel.ac.in/noc22_ch40/preview	https://onlinecourses.nptel.ac.in/noc21_ch39/preview	https://nptel.ac.in/courses/103106158
noc22-ch41	Chemical Engineering	analysis of metals using atomic absorption spectrometry	Prof. J R Mudakavi	IISc	IISc	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ch41/preview	https://onlinecourses.nptel.ac.in/noc21_ch47/preview	https://nptel.ac.in/courses/103108127
noc22-ch42	Chemical Engineering	Colloids and Surfaces	Prof. Basavaraj Madivala Gurappa	IITM	IITM	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ch42/preview	https://onlinecourses.nptel.ac.in/noc21_ch48/preview	https://nptel.ac.in/courses/105106204
noc22-ch43	Chemical Engineering	Polymers: concepts, properties, uses and sustainability	Prof. Abhijit P Deshpande	IITM	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ch43/preview	https://onlinecourses.nptel.ac.in/noc21_ch49/preview	https://nptel.ac.in/courses/105106205
noc22-ch44	Chemical Engineering	Chemical Process Safety	Prof. Shishir Sinha	IITR	IITR	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG	Core	No	Minor 2	https://onlinecourses.nptel.ac.in/noc22_ch44/preview	https://onlinecourses.nptel.ac.in/noc20_ch38/preview	https://nptel.ac.in/courses/103107156
noc22-ch45	Chemical Engineering	Basic Environmental Engineering and Pollution Abatement	Prof. P. Mondal	IITR	IITR	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ch45/preview		https://nptel.ac.in/courses/103107215
noc22-ch47	Chemical Engineering	Mathematical modelling and simulation of chemical engineering process	Prof. Sourav Mondal	IITKGP	IITKGP	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Computational Chemical Engineering	https://onlinecourses.nptel.ac.in/noc22_ch47/preview		https://nptel.ac.in/courses/103105215
noc22-ch48	Chemical Engineering	Practices of Process Equipment and Plant Design	Prof. Gargi Das Prof S Ray	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG	Core	No	Minor 2	https://onlinecourses.nptel.ac.in/noc22_ch48/preview	https://onlinecourses.nptel.ac.in/noc21_ch52/preview	https://nptel.ac.in/courses/103105210
noc22-ch49	Chemical Engineering	Introduction to Polymer Physics-IITG	Prof. Amit Kumar	IITG	IITG	8 weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ch49/preview	https://onlinecourses.nptel.ac.in/noc21_ch37/preview	https://nptel.ac.in/courses/103103139
noc22-ch50	Chemical Engineering	Mass Transfer Operations - I	Prof. Bishnupada Mandal	IITG	IITG	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG	Core	No	Minor 1	https://onlinecourses.nptel.ac.in/noc22_ch50/preview	https://onlinecourses.nptel.ac.in/noc21_ch06/preview	https://nptel.ac.in/courses/103103145
noc22-ch51	Chemical Engineering	Chemical Reaction Engineering-I	Prof. Bishnupada Mandal	IITG	IITG	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG	Core	No	Minor 1 Minor 2 Minor 3	https://onlinecourses.nptel.ac.in/noc22_ch51/preview	https://onlinecourses.nptel.ac.in/noc21_ch33/preview	https://nptel.ac.in/courses/103103153
noc22-ch52	Chemical Engineering	Mass Transfer Operations II	Prof. Chandan Das	IITG	IITG	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG	Core	No	Minor 1	https://onlinecourses.nptel.ac.in/noc22_ch52/preview	https://onlinecourses.nptel.ac.in/noc21_ch35/preview	https://nptel.ac.in/courses/103103154
noc22-ch53	Chemical Engineering	Transport Phenomena of Non-Newtonian Fluids	Prof. Nanda Kishore	IITG	IITG	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ch53/preview	https://onlinecourses.nptel.ac.in/noc21_ch46/preview	https://nptel.ac.in/courses/103103146
noc22-ch54	Chemical Engineering	Mechanical Unit Operations	Prof. Nanda Kishore	IITG	IITG	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG	Core	No	Minor 1	https://onlinecourses.nptel.ac.in/noc22_ch54/preview	https://onlinecourses.nptel.ac.in/noc21_ch34/preview	https://nptel.ac.in/courses/103103155
noc22-ch55	Chemical Engineering	Chemical Process Intensification	Prof. Subrata Kumar Majumder	IITG	IITG	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ch55/preview	https://onlinecourses.nptel.ac.in/noc21_ch40/preview	https://nptel.ac.in/courses/103103152
noc22-ch56	Chemical Engineering	Fluidization Engineering	Prof. Subrata Kumar Majumder	IITG	IITG	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ch56/preview	https://onlinecourses.nptel.ac.in/noc21_ch41/preview	https://nptel.ac.in/courses/103103132
noc22-ch57	Chemical Engineering	Natural Gas Engineering	Prof. Pankaj Tiwari	IITG	IITG	8 weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Core/Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ch57/preview	https://onlinecourses.nptel.ac.in/noc21_ch32/preview	https://nptel.ac.in/courses/103103140
noc22-ch58	Chemical Engineering	Aspen Plus® simulation software - a basic course for beginners	Prof. Prabirkumar Saha	IITG	IITG	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Computational Chemical Engineering	https://onlinecourses.nptel.ac.in/noc22_ch58/preview	https://onlinecourses.nptel.ac.in/noc22_ch37/preview	https://nptel.ac.in/courses/103103209
noc22-ch59	Chemical Engineering	Thermal Processing of Foods	Prof. R. Anandalakshmi	IITG	IITG	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Core/Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ch59/preview	https://onlinecourses.nptel.ac.in/noc21_ag07/preview	https://nptel.ac.in/courses/126103017
noc22-ch60	Chemical Engineering	Advanced process dynamics	Prof. Parag A. Deshpande	IITKGP	IITKGP	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Core	Yes	Minor 2 Minor 3	https://onlinecourses.nptel.ac.in/noc22_ch60/preview		https://nptel.ac.in/courses/103105216
noc22-ch61	Chemical Engineering	Introduction to interfacial waves	Prof. Ratul Dasgupta	IITB	IITB	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	PG	Elective	Yes	Minor 3	https://onlinecourses.nptel.ac.in/noc22_ch61/preview	https://onlinecourses.nptel.ac.in/noc21_ch53/preview	https://nptel.ac.in/courses/103101209

noc22-ch62	Chemical Engineering	Introduction to Polymer Physics-IITR	Prof. Prateek Kumar Jha	IITR	IITR	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Core/Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ch62/preview	https://onlinecourses.nptel.ac.in/noc21_ch36/preview	https://nptel.ac.in/courses/103107139
noc22-ch63	Chemical Engineering	Equipment Design: Mechanical Aspects	Prof. Shabina Khanam	IITR	IITR	4 Weeks	Rerun	Jul 25, 2022	Aug 19, 2022	Sep 25, 2022	Aug 1, 2022	UG	Elective	yes		https://onlinecourses.nptel.ac.in/noc22_ch63/preview	https://onlinecourses.nptel.ac.in/noc21_ch10/preview	https://nptel.ac.in/courses/103107143
noc22-ch64	Chemical Engineering	Mechanical Operations	Prof. Shabina Khanam	IITR	IITR	4 Weeks	Rerun	Jul 25, 2022	Aug 19, 2022	Sep 25, 2022	Aug 1, 2022	UG	Core	No		https://onlinecourses.nptel.ac.in/noc22_ch64/preview	https://onlinecourses.nptel.ac.in/noc20_ch39/preview	https://nptel.ac.in/courses/103107123
noc22-ch65	Chemical Engineering	Heat Transfer	Prof. Sunando Dasgupta	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG	Core	No	Minor 1 in Chemical, Energy Systems	https://onlinecourses.nptel.ac.in/noc22_ch65/preview	https://onlinecourses.nptel.ac.in/noc21_ch31/preview	https://nptel.ac.in/courses/103105140
noc22-cy37	Chemistry	Metal Mediated Synthesis-I	Prof. D. Maiti	IITB	IITB	4 weeks	Rerun	Jul 25, 2022	Aug 19, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_cy37/preview	https://onlinecourses.nptel.ac.in/noc21_cy34/preview	https://nptel.ac.in/courses/104101092
noc22-cy38	Chemistry	Metals In Biology	Prof. D. Maiti	IITB	IITB	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_cy38/preview	https://onlinecourses.nptel.ac.in/noc21_cy35/preview	https://nptel.ac.in/courses/104101116
noc22-cy39	Chemistry	Transition Metal Organometallic Chemistry: Principles To Applications	Prof. P. Ghosh	IITB	IITB	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Core/Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_cy39/preview	https://onlinecourses.nptel.ac.in/noc21_cy36/preview	https://nptel.ac.in/courses/104101091
noc22-cy40	Chemistry	Symmetry and Group Theory	Prof. Anindya Datta	IITB	IITB	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_cy40/preview	https://onlinecourses.nptel.ac.in/noc21_cy37/preview	https://nptel.ac.in/courses/104101094
noc22-cy41	Chemistry	Quantum Chemistry of Atoms and Molecules	Prof. Anindya Datta	IITB	IITB	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_cy41/preview	https://onlinecourses.nptel.ac.in/noc21_cy38/preview	https://nptel.ac.in/courses/104101124
noc22-cy42	Chemistry	Mechanisms in Organic Chemistry	Prof. Nandita Madhavan	IITB	IITB	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_cy42/preview	https://onlinecourses.nptel.ac.in/noc21_cy39/preview	https://nptel.ac.in/courses/104101115
noc22-cy43	Chemistry	Biophysical chemistry	Prof. Pramit Kumar Chowdhury	IITD	IITD	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_cy43/preview	https://onlinecourses.nptel.ac.in/noc21_cy40/preview	https://nptel.ac.in/courses/104102009
noc22-cy44	Chemistry	dimensional NMR Spectroscopy for chemists	Prof. N. Suryaprakash	IISc	IISc	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_cy44/preview	https://onlinecourses.nptel.ac.in/noc21_cy47/preview	https://nptel.ac.in/courses/104108124
noc22-cy45	Chemistry	Spectroscopic Methods in Molecular Structure Determination	Prof. S. Sankararaman	IITM	IITM	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_cy45/preview	https://onlinecourses.nptel.ac.in/noc20_cy23/preview	https://nptel.ac.in/courses/104106075
noc22-cy46	Chemistry	Introductory Organic Chemistry II	Prof. Neeraja Dashaputre Prof. Harinath Chakrapani	IISER Pune	IITM	8 Weeks	Rerun	#####	Oct 14, 2022	Oct 30, 2022	#####	UG/PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_cy46/preview	https://onlinecourses.nptel.ac.in/noc21_cy46/preview	https://nptel.ac.in/courses/104106131
noc22-cy48	Chemistry	Chemical Crystallography	Prof. Angshuman Roy Choudhury	IISER Mohali	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_cy48/preview	https://onlinecourses.nptel.ac.in/noc21_cy33/preview	https://nptel.ac.in/courses/104106093
noc22-cy49	Chemistry	Classics in Total Synthesis-I	Prof. Krishna P Kaliappan	IITB	IITB	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_cy49/preview		https://nptel.ac.in/courses/104101133
noc22-cy50	Chemistry	Concepts of chemistry for engineering	Prof. Debabrata Maiti Prof. Chidambar Kulkarni Prof. Arnab Dutta	IITB	IITB	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG	Core	No		https://onlinecourses.nptel.ac.in/noc22_cy50/preview	https://onlinecourses.nptel.ac.in/noc21_cy49/preview	https://nptel.ac.in/courses/104101130
noc22-cy51	Chemistry	Circular dichroism (CD) and Mossbauer spectroscopy for chemists	Prof. Arnab Dutta	IITB	IITB	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_cy51/preview		https://nptel.ac.in/courses/104101134
noc22-cy52	Chemistry	Biological Inorganic Chemistry	Prof. Debashis Ray	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_cy52/preview	https://onlinecourses.nptel.ac.in/noc21_cy48/preview	https://nptel.ac.in/courses/104105130
noc22-cy53	Chemistry	Introduction To Polymer Science	Prof. Dibakar Dhara	IITKGP	IITKGP	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_cy53/preview	https://onlinecourses.nptel.ac.in/noc21_cy50/preview	https://nptel.ac.in/courses/104105124
noc22-cy54	Chemistry	Spectroscopic Techniques for Pharmaceutical and Biopharmaceutical Industries	Prof. Shashank Deep	IITD	IITD	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_cy54/preview	https://onlinecourses.nptel.ac.in/noc21_cy43/preview	https://nptel.ac.in/courses/104102113
noc22-cy55	Chemistry	Reagents In Organic Synthesis	Prof. Subhas Chandra Pan	IITG	IITG	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_cy55/preview	https://onlinecourses.nptel.ac.in/noc21_cy42/preview	https://nptel.ac.in/courses/104103111
noc22-cy56	Chemistry	Principles Of Organic Synthesis	Prof. T Punniyamurthy	IITG	IITG	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_cy56/preview	https://onlinecourses.nptel.ac.in/noc21_cy41/preview	https://nptel.ac.in/courses/104103110
noc22-cy57	Chemistry	Chemistry and Physics of Surfaces and Interfaces	Prof. Thiruvancheril G. Gopakumar	IITK	IITK	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_cy57/preview	https://onlinecourses.nptel.ac.in/noc21_cy45/preview	https://nptel.ac.in/courses/104104130
noc22-cy58	Chemistry	Introduction to Chemical Thermodynamics and Kinetics	Prof. Arijit Kumar De	IISER Mohali	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_cy58/preview	https://onlinecourses.nptel.ac.in/noc21_cy31/preview	https://nptel.ac.in/courses/104106089

noc22-cy59	Chemistry	NMR spectroscopy for Structural Biology	Prof. R. V Hosur Prof. Ashutosh Kumar	IITB	IITB	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_cy59/preview		https://nptel.ac.in/courses/104101135
noc22-cy60	Chemistry	Advanced Transition Metal Chemistry	Prof. M S Balakrishna	IITB	IITB	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_cy60/preview		https://nptel.ac.in/courses/104101136
noc22-cy61	Chemistry	Analytical Chemistry	Prof. Debashis Ray	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG	Elective	Yes	Materials Characterization	https://onlinecourses.nptel.ac.in/noc22_cy61/preview	https://onlinecourses.nptel.ac.in/noc21_cy28/preview	https://nptel.ac.in/courses/104105084
noc22-cy62	Chemistry	Organic Chemistry In Biology And Drug Development	Prof. Amit Basak	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_cy62/preview	https://onlinecourses.nptel.ac.in/noc21_cy30/preview	https://nptel.ac.in/courses/104105120
noc22-cy63	Chemistry	Stereochemistry	Prof. Amit Basak	IITKGP	IITKGP	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG	Core	No		https://onlinecourses.nptel.ac.in/noc22_cy63/preview	https://onlinecourses.nptel.ac.in/noc21_cy29/preview	https://nptel.ac.in/courses/104105086
noc22-cy64	Chemistry	Principles and applications of enolate alkylation: A unique strategy for construction of C-C (sp ³ -sp ³) bonds in asymmetric fashion	Prof. Samik Nanda	IITKGP	IITKGP	8 Weeks	New	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_cy64/preview		https://nptel.ac.in/courses/104105133
noc22-oe02	Ocean Engineering	Advanced design of steel structures	Prof. Srinivasan Chandrasekaran	IITM	IITM	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_oe02/preview		https://nptel.ac.in/courses/114106047
noc22-ce101	Civil Engineering	Principles and Applications of Building Science	Prof. E.Rajasekar	IITR	IITR	4 weeks	Rerun	Jul 25, 2022	Aug 19, 2022	Sep 25, 2022	Aug 1, 2022	UG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ce101/preview	https://onlinecourses.nptel.ac.in/noc21_ar15/preview	https://nptel.ac.in/courses/105107156
noc22-ce102	Civil Engineering	Environmental Geomechanics	Prof. D. N. Singh	IITB	IITB	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_ce102/preview	https://onlinecourses.nptel.ac.in/noc21_ce57/preview	https://nptel.ac.in/courses/105101200
noc22-ce51	Civil Engineering	GPS Surveying	Prof. Jayanta Kumar Ghosh	IITR	IITR	4 weeks	Rerun	Jul 25, 2022	Aug 19, 2022	Sep 25, 2022	Aug 1, 2022	UG	Core	No		https://onlinecourses.nptel.ac.in/noc22_ce51/preview	https://onlinecourses.nptel.ac.in/noc20_ce51/preview	https://nptel.ac.in/courses/105107157
noc22-ce52	Civil Engineering	Housing Policy & Planning	Prof. Uttam Kumar Roy	IITR	IITR	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_ce52/preview	https://onlinecourses.nptel.ac.in/noc21_ar16/preview	https://nptel.ac.in/courses/124107001
noc22-ce53	Civil Engineering	Visual Communication Design for Digital	Prof.Saptarshi Kolay	IITR	IITR	4 weeks	Rerun	Jul 25, 2022	Aug 19, 2022	Sep 25, 2022	Aug 1, 2022	PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ce53/preview	https://onlinecourses.nptel.ac.in/noc21_ar17/preview	https://nptel.ac.in/courses/124107002
noc22-ce54	Civil Engineering	Mechanics Of Materials	Prof. Saravanan.U	IITM	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG	Core	No	Structural Analysis	https://onlinecourses.nptel.ac.in/noc22_ce54/preview	https://onlinecourses.nptel.ac.in/noc21_ce53/preview	https://nptel.ac.in/courses/105106172
noc22-ce55	Civil Engineering	Environmental Chemistry	Prof. Bhanu Prakash Vellanki	IITR	IITR	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	PG	Core	Yes	Environment	https://onlinecourses.nptel.ac.in/noc22_ce55/preview	https://onlinecourses.nptel.ac.in/noc21_ce63/preview	https://nptel.ac.in/courses/105107176
noc22-ce56	Civil Engineering	Principles of Construction Management	Prof. Sudhir Misra	IITK	IITK	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG	Core	No		https://onlinecourses.nptel.ac.in/noc22_ce56/preview	https://onlinecourses.nptel.ac.in/noc21_ce20/preview	https://nptel.ac.in/courses/105104161
noc22-ce57	Civil Engineering	Design of connections in steel structures	Prof. Anil Agarwal	IITH	IITM	4 weeks	New	#####	Sep 16, 2022	Oct 29, 2022	#####	PG	Core	Yes	Structural Design	https://onlinecourses.nptel.ac.in/noc22_ce57/preview		https://nptel.ac.in/courses/105106216
noc22-ce58	Civil Engineering	Advanced Concrete Technology	Prof. Manu Santhanam	IITM	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	PG	Elective	Yes	Construction Materials Technology	https://onlinecourses.nptel.ac.in/noc22_ce58/preview	https://onlinecourses.nptel.ac.in/noc20_ce45/preview	https://nptel.ac.in/courses/105106176
noc22-ce59	Civil Engineering	Project Planning & Control	Prof. Koshy Varghese	IITM	IITM	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ce59/preview	https://onlinecourses.nptel.ac.in/noc21_ce50/preview	https://nptel.ac.in/courses/105106149
noc22-ce60	Civil Engineering	Geotechnical Engineering Laboratory	Prof. J.N. Mandal	IITB	IITB	4 weeks	Rerun	Jul 25, 2022	Aug 19, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_ce60/preview	https://onlinecourses.nptel.ac.in/noc21_ce54/preview	https://nptel.ac.in/courses/105101160
noc22-ce61	Civil Engineering	Dynamics of Structures	Prof. Manish Kumar	IITB	IITB	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Structural Analysis	https://onlinecourses.nptel.ac.in/noc22_ce61/preview	https://onlinecourses.nptel.ac.in/noc21_ce64/preview	https://nptel.ac.in/courses/105101209
noc22-ce62	Civil Engineering	Underground Space Technology	Prof. Priti Maheshwari	IITR	IITR	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ce62/preview		https://nptel.ac.in/courses/105107216
noc22-ce63	Civil Engineering	Bridge Engineering	Prof. Piyali Sengupta	IIT-ISM	IITKGP	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Structural Design	https://onlinecourses.nptel.ac.in/noc22_ce63/preview		https://nptel.ac.in/courses/105105216
noc22-ce64	Civil Engineering	Introduction to Engineering Seismology	Prof. Anbazhagan Panjamani	IISC	IISC	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ce64/preview	https://onlinecourses.nptel.ac.in/noc21_ce71/preview	https://nptel.ac.in/courses/105108204
noc22-ce65	Civil Engineering	Design Of Reinforced Concrete Structures	Prof. Nirjhar Dhang	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	PG	Core	Yes	Structural Design	https://onlinecourses.nptel.ac.in/noc22_ce65/preview	https://onlinecourses.nptel.ac.in/noc21_ce42/preview	https://nptel.ac.in/courses/105105105
noc22-ce66	Civil Engineering	Design Of Steel Structures	Prof. Damodar Maity	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG	Core	No	Structural Design	https://onlinecourses.nptel.ac.in/noc22_ce66/preview	https://onlinecourses.nptel.ac.in/noc21_ce40/preview	https://nptel.ac.in/courses/105105162
noc22-ce67	Civil Engineering	Foundation Engineering	Prof. Koushik Deb	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG	Core	No		https://onlinecourses.nptel.ac.in/noc22_ce67/preview	https://onlinecourses.nptel.ac.in/noc21_ce39/preview	https://nptel.ac.in/courses/105105176
noc22-ce68	Civil Engineering	Ground Improvement	Prof. Dilip Kumar Baidya	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ce68/preview	https://onlinecourses.nptel.ac.in/noc21_ce65/preview	https://nptel.ac.in/courses/105105210
noc22-ce69	Civil Engineering	Integrated Waste Management For A Smart City	Prof. Brajesh Kumar Dubey	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	PG	Core	Yes	Environment	https://onlinecourses.nptel.ac.in/noc22_ce69/preview	https://onlinecourses.nptel.ac.in/noc21_ce46/preview	https://nptel.ac.in/courses/105105160

noc22-ce70	Civil Engineering	Introduction To Multimodal Urban Transportation Systems (MUTS)	Prof. Arkopal Kishore Goswami	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ce70/preview	https://onlinecourses.nptel.ac.in/noc21_ce72/preview	https://nptel.ac.in/courses/105105204
noc22-ce71	Civil Engineering	Matrix Method Of Structural Analysis	Prof. Amit Shaw Prof. Biswanath Banerjee	IITKGP	IITKGP	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG	Core	No	Structural Analysis	https://onlinecourses.nptel.ac.in/noc22_ce71/preview	https://onlinecourses.nptel.ac.in/noc21_ce44/preview	https://nptel.ac.in/courses/105105180
noc22-ce72	Civil Engineering	Plastic Waste Management	Prof. Brajesh Kumar Dubey	IITKGP	IITKGP	8 Weeks	Rerun	#####	Oct 14, 2022	Oct 29, 2022	#####	PG	Elective	Yes	Environme nt	https://onlinecourses.nptel.ac.in/noc22_ce72/preview	https://onlinecourses.nptel.ac.in/noc21_ce04/preview	https://nptel.ac.in/courses/105105184
noc22-ce73	Civil Engineering	Reinforced Concrete Road Bridges	Prof. Nirjhar Dhang	IITKGP	IITKGP	4 Weeks	Rerun	Jul 25, 2022	Aug 19, 2022	Sep 25, 2022	Aug 1, 2022	UG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ce73/preview	https://onlinecourses.nptel.ac.in/noc21_ce43/preview	https://nptel.ac.in/courses/105105165
noc22-ce74	Civil Engineering	Soil Mechanics/Geotechnical Engineering I	Prof. Dilip Kumar Baidya	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG	Core	No		https://onlinecourses.nptel.ac.in/noc22_ce74/preview	https://onlinecourses.nptel.ac.in/noc21_ce41/preview	https://nptel.ac.in/courses/105105168
noc22-ce75	Civil Engineering	Strength Of Materials	Prof. Sriman Kumar Bhattacharyya	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG	Core	No		https://onlinecourses.nptel.ac.in/noc22_ce75/preview	https://onlinecourses.nptel.ac.in/noc21_ce38/preview	https://nptel.ac.in/courses/105105108
noc22-ce76	Civil Engineering	Wastewater Treatment And Recycling	Prof. Manoj Kumar Tiwari	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Core/Electiv e	Yes	Environme nt	https://onlinecourses.nptel.ac.in/noc22_ce76/preview	https://onlinecourses.nptel.ac.in/noc21_ce49/preview	https://nptel.ac.in/courses/105105178
noc22-ce77	Civil Engineering	Environmental Modeling and Analysis	Prof. Gargi Singh	IITR	IITR	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ce77/preview		https://nptel.ac.in/courses/105107217
noc22-ce78	Civil Engineering	Geomatics Engineering	Prof. P. K. Garg	IITR	IITR	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_ce78/preview		https://nptel.ac.in/courses/105107218
noc22-ce79	Civil Engineering	River Engineering	Prof. Subashisa Dutta	IITG	IITG	8 weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ce79/preview	https://onlinecourses.nptel.ac.in/noc21_ce70/preview	https://nptel.ac.in/courses/105103204
noc22-ce80	Civil Engineering	Plates and Shells	Prof. Sudip Talukdar	IITG	IITG	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ce80/preview	https://onlinecourses.nptel.ac.in/noc21_ce59/preview	https://nptel.ac.in/courses/105103209
noc22-ce81	Civil Engineering	Subsurface exploration :importance and techniques involved	Prof. Abhishek Kumar	IITG	IITG	8 weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ce81/preview	https://onlinecourses.nptel.ac.in/noc19_ce10/preview	https://nptel.ac.in/courses/105103182
noc22-ce82	Civil Engineering	Municipal Solid Waste Management	Prof. Ajay Kalamdhad	IITG	IITG	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Core/Electiv e	Yes		https://onlinecourses.nptel.ac.in/noc22_ce82/preview	https://onlinecourses.nptel.ac.in/noc21_ce69/preview	https://nptel.ac.in/courses/105103205
noc22-ce83	Civil Engineering	Optimization methods for Civil engineering	Prof. Rajib Kumar Bhattacharjya	IITG	IITG	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ce83/preview	https://onlinecourses.nptel.ac.in/noc21_ce60/preview	https://nptel.ac.in/courses/105103210
noc22-ce84	Civil Engineering	Remote Sensing and GIS	Prof. Rishikesh Bharti	IITG	IITG	8 weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_ce84/preview	https://onlinecourses.nptel.ac.in/noc21_ce61/preview	https://nptel.ac.in/courses/105103193
noc22-ce85	Civil Engineering	Fluid Mechanics	Prof. Subashisa Dutta	IITG	IITG	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG	Core	No	Propulsion	https://onlinecourses.nptel.ac.in/noc22_ce85/preview	https://onlinecourses.nptel.ac.in/noc21_ce56/preview	https://nptel.ac.in/courses/105103192
noc22-ce86	Civil Engineering	Earth Sciences For Civil Engineering Part - I & II	Prof. Javed N. Malik	IITK	IITK	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG	Core	No		https://onlinecourses.nptel.ac.in/noc22_ce86/preview	https://onlinecourses.nptel.ac.in/noc21_ce68/preview	https://nptel.ac.in/courses/105104152
noc22-ce87	Civil Engineering	Earthquake Geology:A tool for Seismic Hazard Assessment	Prof. Javed N. Malik	IITK	IITK	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_ce87/preview	https://onlinecourses.nptel.ac.in/noc20_ce19/preview	https://nptel.ac.in/courses/105104200
noc22-ce90	Civil Engineering	Rock Mechanics and Tunneling	Prof. Debarghya Chakraborty	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ce90/preview	https://onlinecourses.nptel.ac.in/noc21_ce76/preview	https://nptel.ac.in/courses/105105212
noc22-ce91	Civil Engineering	Elastic Stability of Structures	Prof. Sarat Kumar Panda	IIT-ISM	IITKGP	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	PG	Elective	Yes	Structural Analysis	https://onlinecourses.nptel.ac.in/noc22_ce91/preview		https://nptel.ac.in/courses/105105217
noc22-ce92	Civil Engineering	Availability and Management of Groundwater Resources	Prof. Prasoon Kumar Singh	IIT-ISM	IITKGP	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ce92/preview		https://nptel.ac.in/courses/105105219
noc22-ce93	Civil Engineering	Pavement Materials (Under Pavement Engineering)	Prof. Nikhil Saboo	IITR	IITR	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_ce93/preview		https://nptel.ac.in/courses/105107219
noc22-ce94	Civil Engineering	Geometric Design of Highways	Prof. Rajat Rastogi	IITR	IITR	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_ce94/preview		https://nptel.ac.in/courses/105107220
noc22-ce95	Civil Engineering	Finite Element Method and Computational Structural Dynamics	Prof. Manish Shrikhande	IITR	IITR	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	PG	Core	Yes	Structural Analysis	https://onlinecourses.nptel.ac.in/noc22_ce95/preview	https://onlinecourses.nptel.ac.in/noc21_ce62/preview	https://nptel.ac.in/courses/105107209
noc22-ce96	Civil Engineering	Geotechnical Engineering-II	Prof. D. N. Singh	IITB	IITB	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_ce96/preview		https://nptel.ac.in/courses/105101216
noc22-ce103	Civil Engineering	Theory of Elasticity	Prof. Amit Shaw Prof. Biswanath Banerjee	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Structural Analysis	https://onlinecourses.nptel.ac.in/noc22_ce103/preview	https://onlinecourses.nptel.ac.in/noc21_ce45/preview	https://nptel.ac.in/courses/105105177
noc22-ce104	Civil Engineering	Sustainable Transportation systems	Prof. Bhola Ram Gurjar	IITR	IITR	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ce104/preview	https://onlinecourses.nptel.ac.in/noc21_ce74/preview	https://nptel.ac.in/courses/105107210
noc22-cs61	Computer Science and Engineering	Software Testing	Prof. Meenakshi D'souza	IIITB	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_cs61/preview	https://onlinecourses.nptel.ac.in/noc21_cs73/preview	https://nptel.ac.in/courses/106101163
noc22-cs62	Computer Science and Engineering	Computational Number Theory and Algebra	Prof. Nitin Saxena	IITK	IITK	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_cs62/preview	https://onlinecourses.nptel.ac.in/noc20_ma42/preview	https://nptel.ac.in/courses/111104138

noc22-cs63	Computer Science and Engineering	Theory of Computation	Prof. Raghunath Tewari	IITK	IITK	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG	Elective	Yes	Foundation s of Computing	https://onlinecourses.nptel.ac.in/noc22_cs63/preview	https://onlinecourses.nptel.ac.in/noc21_cs83/preview	https://nptel.ac.in/courses/106104148
noc22-cs64	Computer Science and Engineering	Modern Algebra	Prof. Manindra Agrawal	IITK	IITK	8 Weeks	Rerun	#####	Oct 14, 2022	Oct 29, 2022	#####	UG	Elective	Yes	Foundation s of Computing	https://onlinecourses.nptel.ac.in/noc22_cs64/preview	https://onlinecourses.nptel.ac.in/noc21_cs84/preview	https://nptel.ac.in/courses/106104149
noc22-cs65	Computer Science and Engineering	Big Data Computing	Prof. Rajiv Misra	IIT Patna	IITK	8 Weeks	Rerun	#####	Oct 14, 2022	Oct 29, 2022	#####	PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_cs65/preview	https://onlinecourses.nptel.ac.in/noc21_cs86/preview	https://nptel.ac.in/courses/106104189
noc22-cs66	Computer Science and Engineering	Distributed Systems	Prof. Rajiv Misra	IIT Patna	IITK	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_cs66/preview	https://onlinecourses.nptel.ac.in/noc21_cs87/preview	https://nptel.ac.in/courses/106106168
noc22-cs67	Computer Science and Engineering	Artificial Intelligence : Search Methods For Problem solving	Prof. Deepak Khemani	IITM	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG	Elective	Yes	Artificial Intelligence Data Science	https://onlinecourses.nptel.ac.in/noc22_cs67/preview	https://onlinecourses.nptel.ac.in/noc21_cs79/preview	https://nptel.ac.in/courses/106106226
noc22-cs68	Computer Science and Engineering	C Programming and Assembly Language	Prof. Janakiraman Viraraghavan	IITM	IITM	4 Weeks	Rerun	Jul 25, 2022	Aug 19, 2022	Sep 25, 2022	Aug 1, 2022	UG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_cs68/preview	https://onlinecourses.nptel.ac.in/noc21_cs81/preview	https://nptel.ac.in/courses/106106210
noc22-cs69	Computer Science and Engineering	Introduction To Haskell Programming	Prof. S. P Suresh	CMI	IITM	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_cs69/preview	https://onlinecourses.nptel.ac.in/noc21_cs77/preview	https://nptel.ac.in/courses/106106137
noc22-cs70	Computer Science and Engineering	Programming, Data Structures And Algorithms Using Python	Prof. Madhavan Mukund	CMI	IITM	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG	Elective	Yes	Computational Biology, Artificial Intelligence , Data Science, Programming, Foundations of Computing	https://onlinecourses.nptel.ac.in/noc22_cs70/preview	https://onlinecourses.nptel.ac.in/noc22_cs26/preview	https://nptel.ac.in/courses/106106145
noc22-cs71	Computer Science and Engineering	Design and analysis of algorithms	Prof. Madhavan Mukund	CMI	IITM	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG	Elective	Yes	Foundation s of Computing	https://onlinecourses.nptel.ac.in/noc22_cs71/preview	https://onlinecourses.nptel.ac.in/noc22_cs27/preview	https://nptel.ac.in/courses/106106131
noc22-cs72	Computer Science and Engineering	Data Science for Engineers	Prof. Ragunathan Rengasamy Prof. Shankar Narasimhan	IITM	IITM	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Data Science, Programming	https://onlinecourses.nptel.ac.in/noc22_cs72/preview	https://onlinecourses.nptel.ac.in/noc22_cs28/preview	https://nptel.ac.in/courses/106106179
noc22-cs73	Computer Science and Engineering	Introduction to Machine Learning	Prof. Balaraman Ravindran	IITM	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Artificial Intelligence Data Science Programming Robotics	https://onlinecourses.nptel.ac.in/noc22_cs73/preview	https://onlinecourses.nptel.ac.in/noc22_cs29/preview	https://nptel.ac.in/courses/106106139
noc22-cs74	Computer Science and Engineering	Python for Data Science	Prof. Ragunathan Rengasamy	IITM	IITM	4 Weeks	Rerun	Jul 25, 2022	Aug 19, 2022	Sep 25, 2022	Aug 1, 2022	UG	Elective	Yes	Artificial Intelligence , Data Science	https://onlinecourses.nptel.ac.in/noc22_cs74/preview	https://onlinecourses.nptel.ac.in/noc22_cs32/preview	https://nptel.ac.in/courses/106106212
noc22-cs75	Computer Science and Engineering	Reinforcement Learning	Prof. Balaraman Ravindran	IITM	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Artificial Intelligence , Data Science Robotics	https://onlinecourses.nptel.ac.in/noc22_cs75/preview	https://onlinecourses.nptel.ac.in/noc22_cs34/preview	https://nptel.ac.in/courses/106106143
noc22-cs76	Computer Science and Engineering	Deep Learning for Computer Vision	Prof. Vineeth N Balasubramanian	IITH	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Artificial Intelligence Data Science	https://onlinecourses.nptel.ac.in/noc22_cs76/preview	https://onlinecourses.nptel.ac.in/noc21_cs93/preview	https://nptel.ac.in/courses/106106224
noc22-cs77	Computer Science and Engineering	Introduction to Game Theory and Mechanism Design	Prof. Swaprava Nath	IITB	IITB	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_cs77/preview		https://nptel.ac.in/courses/106101237
noc22-cs78	Computer Science and Engineering	Introduction to Operating Systems	Prof. Chester Rebeiro	IITM	IITM	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG	Core	No	Systems	https://onlinecourses.nptel.ac.in/noc22_cs78/preview	https://onlinecourses.nptel.ac.in/noc21_cs72/preview	https://nptel.ac.in/courses/106106144
noc22-cs79	Computer Science and Engineering	Introduction to Quantum Computing: Quantum Algorithms and Qiskit	Prof. Prabha Mandayam Prof. Anupama Ray Prof. Sheshashayee Ragunathan	IBM and IITM	IITM	4 Weeks	Rerun	Jul 25, 2022	Aug 19, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_cs79/preview	https://onlinecourses.nptel.ac.in/noc21_cs103/preview	https://nptel.ac.in/courses/106106232

noc22-cs80	Computer Science and Engineering	Advanced Distributed systems	Prof. Smruti R. Sarangi	IITD	IITD	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_cs80/preview		https://nptel.ac.in/courses/106102237
noc22-cs81	Computer Science and Engineering	Parameterized Algorithms	Prof. Neeldhara Misra Prof. Saket Saurabh	IIT Gandhinagar IMSC	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Foundation s of Computing	https://onlinecourses.nptel.ac.in/noc22_cs81/preview	https://onlinecourses.nptel.ac.in/noc21_cs92/preview	https://nptel.ac.in/courses/106106230
noc22-cs82	Computer Science and Engineering	Getting Started with Competitive Programming	Prof. Neeldhara Misra	IIT Gandhinagar	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_cs82/preview	https://onlinecourses.nptel.ac.in/noc22_cs59/preview	https://nptel.ac.in/courses/106106231
noc22-cs83	Computer Science and Engineering	Applied Accelerated Artificial Intelligence	Prof. Satyajit Das Prof. Satyadhyan Chickerur Prof. Bharatkumar Sharma Prof. Adesuyi Tosin	IIT Palakkad KLE Technological University NVIDIA	IITM	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_cs83/preview		https://nptel.ac.in/courses/106106238
noc22-cs84	Computer Science and Engineering	Introduction to Machine Learning (Tamil)	Prof. Arun Rajkumar	IITM	IITM	4 Week(rerun) + 4 Week (New)	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_cs84/preview		https://nptel.ac.in/courses/106106236
noc22-cs85	Computer Science and Engineering	Discrete Mathematics - IIITB	Prof. Ashish Choudhury	IIIT Bangalore	IISC	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Core	Yes	Foundation s of Computing	https://onlinecourses.nptel.ac.in/noc22_cs85/preview	https://onlinecourses.nptel.ac.in/noc22_cs04/preview	https://nptel.ac.in/courses/106108227
noc22-cs87	Computer Science and Engineering	Cloud Computing	Prof. Soumya Kanti Ghosh	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG	Elective	Yes	Programmi ng, Systems	https://onlinecourses.nptel.ac.in/noc22_cs87/preview	https://onlinecourses.nptel.ac.in/noc22_cs20/preview	https://nptel.ac.in/courses/106105167
noc22-cs88	Computer Science and Engineering	Computer Architecture And Organization	Prof. Indranil Sengupta Prof. Kamalika Datta	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG	Core	No		https://onlinecourses.nptel.ac.in/noc22_cs88/preview	https://onlinecourses.nptel.ac.in/noc21_cs61/preview	https://nptel.ac.in/courses/106105163
noc22-cs89	Computer Science and Engineering	Computer Vision	Prof. Jayanta Mukhopadhyay	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG	Elective	Yes	Artificial Intelligence ,Data Science	https://onlinecourses.nptel.ac.in/noc22_cs89/preview	https://onlinecourses.nptel.ac.in/noc21_cs101/preview	https://nptel.ac.in/courses/106105216
noc22-cs90	Computer Science and Engineering	Cryptography And Network Security	Prof. Sourav Mukhopadhyay	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Systems	https://onlinecourses.nptel.ac.in/noc22_cs90/preview	https://onlinecourses.nptel.ac.in/noc21_cs16/preview	https://nptel.ac.in/courses/106105162
noc22-cs91	Computer Science and Engineering	Data Base Management System	Prof. Partha Pratim Das Prof. Ansuman Banerjee Prof. Kausik Datta	IITKGP	IITKGP	8 Weeks	Rerun	#####	Oct 14, 2022	Oct 29, 2022	#####	UG/PG	Core	Yes	Programmi ng	https://onlinecourses.nptel.ac.in/noc22_cs91/preview	https://onlinecourses.nptel.ac.in/noc22_cs51/preview	https://nptel.ac.in/courses/106105175
noc22-cs92	Computer Science and Engineering	Data Structure And Algorithms Using Java	Prof. Debasis Samanta	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG	Elective	Yes	Programmi ng	https://onlinecourses.nptel.ac.in/noc22_cs92/preview	https://onlinecourses.nptel.ac.in/noc20_cs85/preview	https://nptel.ac.in/courses/106105225
noc22-cs93	Computer Science and Engineering	Embedded System Design With ARM	Prof. Indranil Sengupta Prof. Kamalika Datta	IITKGP	IITKGP	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG	Elective	yes	Robotics	https://onlinecourses.nptel.ac.in/noc22_cs93/preview	https://onlinecourses.nptel.ac.in/noc21_cs09/preview	https://nptel.ac.in/courses/106105193
noc22-cs94	Computer Science and Engineering	Hardware Modeling Using Verilog	Prof. Indranil Sengupta	IITKGP	IITKGP	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG	Elective	Yes	VLSI design	https://onlinecourses.nptel.ac.in/noc22_cs94/preview	https://onlinecourses.nptel.ac.in/noc21_cs60/preview	https://nptel.ac.in/courses/106105165
noc22-cs95	Computer Science and Engineering	Introduction To Industry 4.0 And Industrial Internet Of Things	Prof. Sudip Misra	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_cs95/preview	https://onlinecourses.nptel.ac.in/noc22_cs52/preview	https://nptel.ac.in/courses/106105195
noc22-cs96	Computer Science and Engineering	Introduction To Internet Of Things	Prof. Sudip Misra	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG	Elective	Yes	Programmi ng, Systems	https://onlinecourses.nptel.ac.in/noc22_cs96/preview	https://onlinecourses.nptel.ac.in/noc22_cs53/preview	https://nptel.ac.in/courses/106105166
noc22-cs97	Computer Science and Engineering	Introduction To Machine Learning - KGP	Prof. Sudeshna Sarkar	IITKGP	IITKGP	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Artificial Intelligence Data Science Programmi ng Robotics	https://onlinecourses.nptel.ac.in/noc22_cs97/preview	https://onlinecourses.nptel.ac.in/noc21_cs85/preview	https://nptel.ac.in/courses/106105152
noc22-cs98	Computer Science and Engineering	Natural Language Processing	Prof. Pawan Goyal	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Artificial Intelligence ,Data Science	https://onlinecourses.nptel.ac.in/noc22_cs98/preview	https://onlinecourses.nptel.ac.in/noc21_cs102/preview	https://nptel.ac.in/courses/106105158
noc22-cs99	Computer Science and Engineering	Object Oriented Analysis And Design	Prof. Partha Pratim Das Prof. Ansuman Banerjee Prof. Kausik Datta	IITKGP	IITKGP	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_cs99/preview	https://onlinecourses.nptel.ac.in/noc21_cs57/preview	https://nptel.ac.in/courses/106105153
noc22-cs100	Computer Science and Engineering	Operating System Fundamentals	Prof. Santanu Chattopadhyay	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG	Core	No	Systems	https://onlinecourses.nptel.ac.in/noc22_cs100/preview	https://onlinecourses.nptel.ac.in/noc21_cs88/preview	https://nptel.ac.in/courses/106105214
noc22-cs101	Computer Science and Engineering	Problem Solving Through Programming In C	Prof. Anupam Basu	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_cs101/preview	https://onlinecourses.nptel.ac.in/noc22_cs45/preview	https://nptel.ac.in/courses/106105171

noc22-cs102	Computer Science and Engineering	Programming In Java	Prof. Debasis Samanta	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG	Elective	Yes	Programmng	https://onlinecourses.nptel.ac.in/noc22_cs102/preview	https://onlinecourses.nptel.ac.in/noc22_cs47/preview	https://nptel.ac.in/courses/106105191
noc22-cs103	Computer Science and Engineering	Programming In Modern C++	Prof. Partha Pratim Das	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_cs103/preview	https://onlinecourses.nptel.ac.in/noc22_cs43/preview	https://nptel.ac.in/courses/106105234
noc22-cs104	Computer Science and Engineering	Real-Time Systems	Prof. Rajib Mall Prof. Durga Prasad Mohapatra	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Systems	https://onlinecourses.nptel.ac.in/noc22_cs104/preview	https://onlinecourses.nptel.ac.in/noc21_cs98/preview	https://nptel.ac.in/courses/106105229
noc22-cs105	Computer Science and Engineering	Scalable Data Science	Prof. Anirban Dasgupta Prof. Sourangshu Bhattacharya	IITKGP	IITKGP	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_cs105/preview	https://onlinecourses.nptel.ac.in/noc21_cs59/preview	https://nptel.ac.in/courses/106105186
noc22-cs106	Computer Science and Engineering	Software Engineering	Prof. Rajib Mall	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_cs106/preview	https://onlinecourses.nptel.ac.in/noc21_cs65/preview	https://nptel.ac.in/courses/106105182
noc22-cs107	Computer Science and Engineering	Software Project Management	Prof. Rajib Mall Prof. Durga Prasad Mohapatra	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_cs107/preview	https://onlinecourses.nptel.ac.in/noc19_cs70/preview	https://nptel.ac.in/courses/106105218
noc22-cs108	Computer Science and Engineering	Spatial Informatics	Prof. Soumya Kanti Ghosh	IITKGP	IITKGP	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_cs108/preview	https://onlinecourses.nptel.ac.in/noc19_cs76/preview	https://nptel.ac.in/courses/106105219
noc22-cs109	Computer Science and Engineering	C-Based VLSI Design	Prof. Chandan Karfa	IITG	IITG	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Systems	https://onlinecourses.nptel.ac.in/noc22_cs109/preview	https://onlinecourses.nptel.ac.in/noc21_cs96/preview	https://nptel.ac.in/courses/106103229
noc22-cs110	Computer Science and Engineering	Multi-Core Computer Architecture - Storage and Interconnects	Prof. John Jose	IITG	IITG	8 weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Systems	https://onlinecourses.nptel.ac.in/noc22_cs110/preview	https://onlinecourses.nptel.ac.in/noc21_cs82/preview	https://nptel.ac.in/courses/106103183
noc22-cs111	Computer Science and Engineering	Computer Graphics	Prof. Samit Bhattacharya	IITG	IITG	8 weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG	Core	No	Foundation s of Computing	https://onlinecourses.nptel.ac.in/noc22_cs111/preview	https://onlinecourses.nptel.ac.in/noc21_cs97/preview	https://nptel.ac.in/courses/106103224
noc22-cs112	Computer Science and Engineering	Demystifying Networking	Prof. Sridhar Iyer Prof. Kavya Alse	IITB	IITB	4 weeks	Rerun	Jul 25, 2022	Aug 19, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_cs112/preview	https://onlinecourses.nptel.ac.in/noc21_cs94/preview	https://nptel.ac.in/courses/106101209
noc22-cs113	Computer Science and Engineering	Secure Computation: Part II	Prof. Ashish Choudhury	IIITB	IISC	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_cs113/preview		https://nptel.ac.in/courses/106108237
noc22-cs114	Computer Science and Engineering	Introduction to Computer and Network Performance Analysis using	Prof. Varsha Apte	IITB	IITB	4 weeks	New	#####	Sep 16, 2022	Oct 29, 2022	#####	UG/PG	Elective	Yes	Systems	https://onlinecourses.nptel.ac.in/noc22_cs114/preview		https://nptel.ac.in/courses/106101238
noc22-cs116	Computer Science and Engineering	Algorithmic Game Theory	Prof. Palash Dey	IITKGP	IITKGP	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_cs116/preview		https://nptel.ac.in/courses/106105237
noc22-cs117	Computer Science and Engineering	Social Network Analysis	Prof. Tanmoy Chakraborty	IIITD	IITM	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_cs117/preview		https://nptel.ac.in/courses/106106239
noc22-cs119	Computer Science and Engineering	Machine Learning for Earth System Sciences	Prof. Adway Mitra	IITKGP	IITKGP	8 Weeks	New	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_cs119/preview		https://nptel.ac.in/courses/106105238
noc22-cs120	Computer Science and Engineering	Statistical learning for Reliability Analysis	Prof. Monalisa Sarma	IITKGP	IITKGP	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_cs120/preview		https://nptel.ac.in/courses/106105239
noc22-cs121	Computer Science and Engineering	Social Networks	Prof. Sudarshan Iyengar Prof. Yayati Gupta	IIT Ropar	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_cs121/preview	https://onlinecourses.nptel.ac.in/noc22_cs30/preview	https://nptel.ac.in/courses/106106169
noc22-cs122	Computer Science and Engineering	The Joy of Computing using Python	Prof. Sudarshan Iyengar	IIT Ropar	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_cs122/preview	https://onlinecourses.nptel.ac.in/noc22_cs31/preview	https://nptel.ac.in/courses/106106182
noc22-cs123	Computer Science and Engineering	Discrete Mathematics	Prof. Sudarshan Iyengar Prof. Prabuchandran K.J	IIT Ropar	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG	Core	No	Foundation s of Computing, Foundation s of Mathematics	https://onlinecourses.nptel.ac.in/noc22_cs123/preview	https://onlinecourses.nptel.ac.in/noc22_cs33/preview	https://nptel.ac.in/courses/106106183
noc22-cs124	Computer Science and Engineering	Deep Learning - IIT Ropar	Prof. Mitesh M. Khapra Prof. Sudarshan Iyengar	IIT Ropar	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Artificial Intelligence , Data Science, Robotics	https://onlinecourses.nptel.ac.in/noc22_cs124/preview	https://onlinecourses.nptel.ac.in/noc22_cs35/preview	https://nptel.ac.in/courses/106106184
noc22-cs125	Computer Science and Engineering	Design & Implementation of Human-Computer Interfaces	Prof. Samit Bhattacharya	IITG	IITG	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_cs125/preview		https://nptel.ac.in/courses/106103237
noc22-cs126	Computer Science and Engineering	Computational Complexity	Prof. Subrahmanyam Kalyanasundaram	IIT Hyderabad	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	PG	Elective	Yes	Foundation s of Computing	https://onlinecourses.nptel.ac.in/noc22_cs126/preview	https://onlinecourses.nptel.ac.in/noc21_cs90/preview	https://nptel.ac.in/courses/106106229

noc22-de09	Design Engineering	Control systems	Prof. C.S.Shankar Ram	IITM	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG	Core	No	Control and Instrumentation	https://onlinecourses.nptel.ac.in/noc22_de09/preview	https://onlinecourses.nptel.ac.in/noc21_de08/preview	https://nptel.ac.in/courses/107106081
noc22-de10	Design Engineering	Functional and Conceptual Design	Prof. Asokan T	IITM	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_de10/preview	https://onlinecourses.nptel.ac.in/noc21_de12/preview	https://nptel.ac.in/courses/107106089
noc22-de11	Design Engineering	Introduction to robotics	Prof. Asokan T Prof. Balaraman Ravindran Prof. Krishna Vasudevan	IITM	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Core	Yes	Robotics	https://onlinecourses.nptel.ac.in/noc22_de11/preview	https://onlinecourses.nptel.ac.in/noc21_de13/preview	https://nptel.ac.in/courses/107106090
noc22-de12	Design Engineering	System Design for Sustainability	Prof. Sharmistha Banerjee	IITG	IITG	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	PG	Core	Yes	Product Design	https://onlinecourses.nptel.ac.in/noc22_de12/preview	https://onlinecourses.nptel.ac.in/noc21_de09/preview	https://nptel.ac.in/courses/107103081
noc22-de13	Design Engineering	Ergonomics Workplace Analysis	Prof. Urmi R. Salve	IITG	IITG	4 weeks	Rerun	Jul 25, 2022	Aug 19, 2022	Sep 25, 2022	Aug 1, 2022	PG	Elective	Yes	Product Design	https://onlinecourses.nptel.ac.in/noc22_de13/preview	https://onlinecourses.nptel.ac.in/noc21_de10/preview	https://nptel.ac.in/courses/107103085
noc22-de14	Design Engineering	Innovation by Design	Prof. B. K. Chakravarthy	IITB	IITB	4 weeks	Rerun	Jul 25, 2022	Aug 19, 2022	Sep 25, 2022	Aug 1, 2022	UG	Elective	Yes	Patents and Intellectual Property Rights	https://onlinecourses.nptel.ac.in/noc22_de14/preview	https://onlinecourses.nptel.ac.in/noc22_de04/preview	https://nptel.ac.in/courses/107101086
noc22-de15	Design Engineering	Understanding Design	Prof. Nina Sabnani	IITB	IITB	4 weeks	Rerun	Jul 25, 2022	Aug 19, 2022	Sep 25, 2022	Aug 1, 2022	UG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_de15/preview	https://onlinecourses.nptel.ac.in/noc22_de01/preview	https://nptel.ac.in/courses/107101087
noc22-de16	Design Engineering	Design, Technology and Innovation	Prof. B. K. Chakravarthy	IITB	IITB	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_de16/preview	https://onlinecourses.nptel.ac.in/noc22_de05/preview	https://nptel.ac.in/courses/107101088
noc22-ce97	Earth Sciences	Global Navigation Satellite Systems And Applications	Prof. Arun K. Saraf	IITR	IITR	4 weeks	Rerun	Jul 25, 2022	Aug 19, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ce97/preview	https://onlinecourses.nptel.ac.in/noc21_ce77/preview	https://nptel.ac.in/courses/105107194
noc22-ce98	Earth Sciences	Structural Geology	Prof. Santanu Misra	IITK	IITK	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG	Core	No		https://onlinecourses.nptel.ac.in/noc22_ce98/preview	https://onlinecourses.nptel.ac.in/noc21_ce37/preview	https://nptel.ac.in/courses/105104191
noc22-ce99	Earth Sciences	Radiogenic Isotope Geology	Prof R. Anand	IIT-ISM	IITKGP	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ce99/preview		https://nptel.ac.in/courses/105105218
noc22-ce100	Earth Sciences	Introductory Field Structural Geology	Prof. Santanu Misra	IITK	IITK	4 Weeks	New	#####	Sep 16, 2022	Oct 29, 2022	#####	UG	Core	No		https://onlinecourses.nptel.ac.in/noc22_ce100/preview		https://nptel.ac.in/courses/105104216
noc22-hs70	Economics	Introduction to Microeconomics in Hindi and without Calculus	Prof. Vimal Kumar	IITK	IITK	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_hs70/preview		https://nptel.ac.in/courses/130104115
noc22-hs71	Economics	Environmental & Resource Economics	Prof. Sabuj Kumar Mandal	IITM	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Economics	https://onlinecourses.nptel.ac.in/noc22_hs71/preview	https://onlinecourses.nptel.ac.in/noc21_hs56/preview	https://nptel.ac.in/courses/130106113
noc22-hs72	Economics	Economics of Banking and Finance Markets	Prof. Sukumar Vellakkal	IITK	IITK	12 weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_hs72/preview		https://nptel.ac.in/courses/130104116
noc22-hs140	Economics	Spatial Statistics and Spatial Econometrics	Prof. Gaurav Arora	IIITD	IITM	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_hs140/preview		https://nptel.ac.in/courses/130106115
noc22-ee68	Electrical and Electronics Engineering	Applied Electromagnetics For Engineers	Prof. Pradeep Kumar K	IITK	IITK	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG	Core	No	Photonics	https://onlinecourses.nptel.ac.in/noc22_ee68/preview	https://onlinecourses.nptel.ac.in/noc21_ee82/preview	https://nptel.ac.in/courses/108104099
noc22-ee69	Electrical and Electronics Engineering	Electromagnetic Theory	Prof. Pradeep Kumar K	IITK	IITK	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG	Core/Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ee69/preview	https://onlinecourses.nptel.ac.in/noc21_ee83/preview	https://nptel.ac.in/courses/108104087
noc22-ee71	Electrical and Electronics Engineering	Design of photovoltaic systems	Prof. L Umanand	IISc	IISc	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ee71/preview	https://onlinecourses.nptel.ac.in/noc21_ee62/preview	https://nptel.ac.in/courses/117108141
noc22-ee72	Electrical and Electronics Engineering	Principles of Signal Estimation for MIMO/ OFDM Wireless Communication	Prof. Aditya K. Jagannatham	IITK	IITK	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_ee72/preview	https://onlinecourses.nptel.ac.in/noc20_ee58/preview	https://nptel.ac.in/courses/117104118
noc22-ee73	Electrical and Electronics Engineering	Principles of Communication Systems - II	Prof. Aditya Jagannatham	IITK	IITK	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG	Core	No	Communication and Signal Processing	https://onlinecourses.nptel.ac.in/noc22_ee73/preview	https://onlinecourses.nptel.ac.in/noc21_ee65/preview	https://nptel.ac.in/courses/108104098
noc22-ee74	Electrical and Electronics Engineering	Analog Electronic Circuits	Prof. Shouribrata chatterjee	IITD	IITD	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG	Core	No	Control and Instrumentation, VLSI design	https://onlinecourses.nptel.ac.in/noc22_ee74/preview	https://onlinecourses.nptel.ac.in/noc21_ee89/preview	https://nptel.ac.in/courses/108102112
noc22-ee75	Electrical and Electronics Engineering	Enclosure design of electronics equipment	Prof. N. V Chalapathi Rao	IISc	IISc	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ee75/preview	https://onlinecourses.nptel.ac.in/noc21_ee90/preview	https://nptel.ac.in/courses/117108140

noc22-ee76	Electrical and Electronics Engineering	Fabrication Techniques for MEMS-based sensors : clinical perspective	Prof. Hardik Jeetendra Pandya	IISc	IISc	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ee76/preview	https://onlinecourses.nptel.ac.in/noc21_ee60/preview	https://nptel.ac.in/courses/108108113
noc22-ee77	Electrical and Electronics Engineering	Electronic Systems for Cancer Diagnosis	Prof. Hardik Jeetendra Pandya	IISc	IISc	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ee77/preview	https://onlinecourses.nptel.ac.in/noc20_ee14/preview	https://nptel.ac.in/courses/108108124
noc22-ee78	Electrical and Electronics Engineering	Basics of software defined Radios	Prof. Meenakshi Rawat	IITR	IITR	4 weeks	Rerun	Jul 25, 2022	Aug 19, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ee78/preview	https://onlinecourses.nptel.ac.in/noc21_ee95/preview	https://nptel.ac.in/courses/108107107
noc22-ee79	Electrical and Electronics Engineering	Digital Switching - I	Prof. Y.N.Singh	IITK	IITK	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ee79/preview	https://onlinecourses.nptel.ac.in/noc21_ee94/preview	https://nptel.ac.in/courses/117104128
noc22-ee81	Electrical and Electronics Engineering	Dc Microgrid and control systems	Prof. Avik Bhattacharya	IITR	IITR	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ee81/preview	https://onlinecourses.nptel.ac.in/noc21_ee96/preview	https://nptel.ac.in/courses/108107143
noc22-ee82	Electrical and Electronics Engineering	Introduction to Smart Grid	Prof. N.P. Padhy Prof. Premalata Jena	IITR	IITR	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Core/Elective	Yes	Power Systems and Power Electronics	https://onlinecourses.nptel.ac.in/noc22_ee82/preview	https://onlinecourses.nptel.ac.in/noc21_ee68/preview	https://nptel.ac.in/courses/108107113
noc22-ee83	Electrical and Electronics Engineering	Control engineering	Prof. Ramkrishna Pasumarthay	IITM	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Core	Yes	Power Systems and Power Electronics , Control and Instrumentation	https://onlinecourses.nptel.ac.in/noc22_ee83/preview	https://onlinecourses.nptel.ac.in/noc22_ee31/preview	https://nptel.ac.in/courses/108106098
noc22-ee84	Electrical and Electronics Engineering	Linear Systems Theory	Prof. Ramkrishna Pasumarthay	IITM	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Control and Instrumentation	https://onlinecourses.nptel.ac.in/noc22_ee84/preview	https://onlinecourses.nptel.ac.in/noc21_ee113/preview	https://nptel.ac.in/courses/108106150
noc22-ee85	Electrical and Electronics Engineering	Introduction to Wireless and Cellular Communications	Prof. David Koilpillai	IITM	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	PG	Elective	Yes	Communication and Signal Processing	https://onlinecourses.nptel.ac.in/noc22_ee85/preview	https://onlinecourses.nptel.ac.in/noc21_ee66/preview	https://nptel.ac.in/courses/106106167
noc22-ee86	Electrical and Electronics Engineering	Image Signal Processing	Prof. A. N. Rajagopalan	IITM	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Communication and Signal Processing	https://onlinecourses.nptel.ac.in/noc22_ee86/preview	https://onlinecourses.nptel.ac.in/noc21_ee100/preview	https://nptel.ac.in/courses/108106168
noc22-ee87	Electrical and Electronics Engineering	Introductory Neuroscience & Neuro-Instrumentation	Prof. Mahesh Jayachandra	IISc	IISc	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ee87/preview	https://onlinecourses.nptel.ac.in/noc21_ee101/preview	https://nptel.ac.in/courses/108108167
noc22-ee88	Electrical and Electronics Engineering	Fiber Optic Communication Technology	Prof. Deepa Venkitesh	IITM	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Photonics	https://onlinecourses.nptel.ac.in/noc22_ee88/preview	https://onlinecourses.nptel.ac.in/noc21_ee114/preview	https://nptel.ac.in/courses/108106167
noc22-ee89	Electrical and Electronics Engineering	Stochastic control and communication	Prof. Ankur A. Kulkarni	IITB	IITB	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ee89/preview		https://nptel.ac.in/courses/108101185
noc22-ee90	Electrical and Electronics Engineering	Basic Electrical Circuits	Prof. Gajendranath Chowdary	IIT Hyderabad (IITM)	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG	Core	No	Control and Instrumentation VLSI design Power Systems and Power Electronics	https://onlinecourses.nptel.ac.in/noc22_ee90/preview	https://onlinecourses.nptel.ac.in/noc21_ee99/preview	https://nptel.ac.in/courses/117106108
noc22-ee91	Electrical and Electronics Engineering	Introduction to Semiconductor Devices	Prof. Naresh Kumar Emani	IIT Hyderabad	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG	Core	No	VLSI design	https://onlinecourses.nptel.ac.in/noc22_ee91/preview	https://onlinecourses.nptel.ac.in/noc21_ee59/preview	https://nptel.ac.in/courses/108106181

noc22-ee92	Electrical and Electronics Engineering	Phase-locked loops	Prof. Saurabh Saxena	IITM	IITM	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ee92/preview		https://nptel.ac.in/courses/108106184
noc22-ee93	Electrical and Electronics Engineering	Basic Electric Circuits	Prof. Ankush Sharma	IITK	IITK	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG	Core	No	VLSI design	https://onlinecourses.nptel.ac.in/noc22_ee93/preview	https://onlinecourses.nptel.ac.in/noc19_ee36/preview	https://nptel.ac.in/courses/108104139
noc22-ee94	Electrical and Electronics Engineering	Fundamentals Of Electric Drives	Prof. Shyama Prasad Das	IITK	IITK	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	PG	Elective	Yes	Power Systems and Power Electronics	https://onlinecourses.nptel.ac.in/noc22_ee94/preview	https://onlinecourses.nptel.ac.in/noc19_ee65/preview	https://nptel.ac.in/courses/108104140
noc22-ee95	Electrical and Electronics Engineering	Concentration inequalities	Prof. Aditya Gopalan Prof. Himanshu tyagi	IISc	IISc	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	PG	Elective	Yes	Communication and Signal Processing	https://onlinecourses.nptel.ac.in/noc22_ee95/preview	https://onlinecourses.nptel.ac.in/noc21_ee106/preview	https://nptel.ac.in/courses/108108181
noc22-ee96	Electrical and Electronics Engineering	Mathematical Aspects of Biomedical Electronic System Design	Prof. Chandramani Singh	IISc	IISc	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Control and Instrumentation	https://onlinecourses.nptel.ac.in/noc22_ee96/preview	https://onlinecourses.nptel.ac.in/noc21_ee105/preview	https://nptel.ac.in/courses/108108180
noc22-ee97	Electrical and Electronics Engineering	Semiconductor Devices and Circuits	Prof. Sanjiv Sambandan	IISC	IISC	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Core	Yes	VLSI design	https://onlinecourses.nptel.ac.in/noc22_ee97/preview	https://onlinecourses.nptel.ac.in/noc21_ee80/preview	https://nptel.ac.in/courses/108108112
noc22-ee98	Electrical and Electronics Engineering	Advances in UHV Transmission and Distribution	Prof. Subba Reddy	IISC	IISC	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ee98/preview	https://onlinecourses.nptel.ac.in/noc21_ee63/preview	https://nptel.ac.in/courses/108108099
noc22-ee99	Electrical and Electronics Engineering	Real-Time Digital Signal Processing	Prof. Rathna G N	IISc	IISC	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ee99/preview		https://nptel.ac.in/courses/108108185
noc22-ee100	Electrical and Electronics Engineering	Control and Tuning Methods in Switched Mode Power Converters	Prof. Santanu Kapat	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Power Systems and Power Electronics	https://onlinecourses.nptel.ac.in/noc22_ee100/preview	https://onlinecourses.nptel.ac.in/noc21_ee104/preview	https://nptel.ac.in/courses/108105180
noc22-ee101	Electrical and Electronics Engineering	Power System Protection	Prof. Ashok Kumar Pradhan	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Core	Yes	Power Systems and Power Electronics	https://onlinecourses.nptel.ac.in/noc22_ee101/preview	https://onlinecourses.nptel.ac.in/noc21_ee109/preview	https://nptel.ac.in/courses/108105167
noc22-ee102	Electrical and Electronics Engineering	Signal Processing for mm Wave communication for 5G and beyond	Prof. Amit Kumar Dutta	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	PG	Core	Yes	Communication and Signal Processing	https://onlinecourses.nptel.ac.in/noc22_ee102/preview	https://onlinecourses.nptel.ac.in/noc21_ee102/preview	https://nptel.ac.in/courses/108105179
noc22-ee103	Electrical and Electronics Engineering	Microwave Engineering	Prof. Ratnajit Bhattacharjee	IITG	IITG	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG	Core	No	Photonics	https://onlinecourses.nptel.ac.in/noc22_ee103/preview	https://onlinecourses.nptel.ac.in/noc21_ee88/preview	https://nptel.ac.in/courses/108103141
noc22-ee104	Electrical and Electronics Engineering	System Design Through VERILOG	Prof. Shaik Rafi Ahamed	IITG	IITG	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Elective	Yes	VLSI design	https://onlinecourses.nptel.ac.in/noc22_ee104/preview	https://onlinecourses.nptel.ac.in/noc21_ee97/preview	https://nptel.ac.in/courses/108103179
noc22-ee105	Electrical and Electronics Engineering	Computational Electromagnetics	Prof. Uday Khankhoje	IITM	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	PG	Elective	Yes	Photonics	https://onlinecourses.nptel.ac.in/noc22_ee105/preview	https://onlinecourses.nptel.ac.in/noc21_ee91/preview	https://nptel.ac.in/courses/108106152
noc22-ee106	Electrical and Electronics Engineering	Introduction to Photonics	Prof. Balaji Srinivasan Prof Shivananju	IITM	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Photonics	https://onlinecourses.nptel.ac.in/noc22_ee106/preview	https://onlinecourses.nptel.ac.in/noc21_ee87/preview	https://nptel.ac.in/courses/108106135
noc22-ee107	Electrical and Electronics Engineering	Probability Foundations for Electrical Engineers	Prof. Krishna Jagannathan	IITM	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Core/Elective	Yes	Communication and Signal Processing	https://onlinecourses.nptel.ac.in/noc22_ee107/preview	https://onlinecourses.nptel.ac.in/noc21_ee92/preview	https://nptel.ac.in/courses/108106083

noc22-ee108	Electrical and Electronics Engineering	An introduction to Coding Theory	Prof. Adrish Banerjee	IITK	IITK	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Communication and Signal Processing	https://onlinecourses.nptel.ac.in/noc22_ee108/preview	https://onlinecourses.nptel.ac.in/noc20_ee94/preview	https://nptel.ac.in/courses/108104092
noc22-ee109	Electrical and Electronics Engineering	Introduction to Electrical Engineering	Prof. Bhim Singh	IITD	IITD	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG	Core	No		https://onlinecourses.nptel.ac.in/noc22_ee109/preview		https://nptel.ac.in/courses/108102185
noc22-ee110	Electrical and Electronics Engineering	Digital Circuits	Prof. Santanu Chattopadhyay	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG	Core	No	VLSI design	https://onlinecourses.nptel.ac.in/noc22_ee110/preview	https://onlinecourses.nptel.ac.in/noc21_ee75/preview	https://nptel.ac.in/courses/108105113
noc22-ee111	Electrical and Electronics Engineering	Electrical Machines - I	Prof. Tapas Kumar Bhattacharya	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG	Core	No	Power Systems and Power Electronics	https://onlinecourses.nptel.ac.in/noc22_ee111/preview	https://onlinecourses.nptel.ac.in/noc21_ee71/preview	https://nptel.ac.in/courses/108105155
noc22-ee112	Electrical and Electronics Engineering	Electrical Measurement And Electronic Instruments	Prof. Avishek Chatterjee	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG	Core	No	Control and Instrumentation Power Systems and Power Electronics	https://onlinecourses.nptel.ac.in/noc22_ee112/preview	https://onlinecourses.nptel.ac.in/noc21_ee107/preview	https://nptel.ac.in/courses/108105153
noc22-ee113	Electrical and Electronics Engineering	Fundamentals Of Electrical Engineering	Prof. Debapriya Das	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG	Core	No		https://onlinecourses.nptel.ac.in/noc22_ee113/preview	https://onlinecourses.nptel.ac.in/noc21_ee73/preview	https://nptel.ac.in/courses/108105112
noc22-ee114	Electrical and Electronics Engineering	Principles And Techniques Of Modern Radar Systems	Prof. Amitabha Bhattacharya	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Communication and Signal Processing	https://onlinecourses.nptel.ac.in/noc22_ee114/preview	https://onlinecourses.nptel.ac.in/noc21_ee108/preview	https://nptel.ac.in/courses/108105154
noc22-ee115	Electrical and Electronics Engineering	Analog Communication	Prof. Goutam Das	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG	Core	No		https://onlinecourses.nptel.ac.in/noc22_ee115/preview	https://onlinecourses.nptel.ac.in/noc21_ee74/preview	https://nptel.ac.in/courses/117105143
noc22-ee116	Electrical and Electronics Engineering	Digital Image Processing	Prof. Prabir Kumar Biswas	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Communication and Signal Processing Robotics	https://onlinecourses.nptel.ac.in/noc22_ee116/preview	https://onlinecourses.nptel.ac.in/noc21_ee78/preview	https://nptel.ac.in/courses/117105135
noc22-ee117	Electrical and Electronics Engineering	Digital Speech Processing	Prof. Shyamal Kumar Das Mandal	IITKGP	IITKGP	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ee117/preview	https://onlinecourses.nptel.ac.in/noc17_ee13/preview	https://nptel.ac.in/courses/117105145
noc22-ee118	Electrical and Electronics Engineering	Modern Digital Communication Techniques	Prof. Suvra Sekhar Das	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ee118/preview	https://onlinecourses.nptel.ac.in/noc21_ee11/preview	https://nptel.ac.in/courses/117105144
noc22-ee119	Electrical and Electronics Engineering	Pattern recognition and Application	Prof. Prabir Kumar Biswas	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ee119/preview	https://onlinecourses.nptel.ac.in/noc21_ee79/preview	https://nptel.ac.in/courses/117105101
noc22-ee120	Electrical and Electronics Engineering	Power System Analysis	Prof. Debapriya Das	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG	Elective	Yes	Power Systems and Power Electronics	https://onlinecourses.nptel.ac.in/noc22_ee120/preview	https://onlinecourses.nptel.ac.in/noc21_ee77/preview	https://nptel.ac.in/courses/117105140
noc22-ee121	Electrical and Electronics Engineering	Fundamentals of Nano and Quantum Photonics	Prof. Naresh Kumar Emani	IITH	IITM	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ee121/preview		https://nptel.ac.in/courses/108106186
noc22-ee122	Electrical and Electronics Engineering	Cognition and its computation	Prof. Sharba Bandyopadhyay Prof.Rajlakshmi Guha	IITKGP	IITKGP	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ee122/preview		https://nptel.ac.in/courses/108105185

noc22-ee123	Electrical and Electronics Engineering	Probability and Random Processes (प्रायिकता एवं यादृच्छिक प्रक्रियाएँ)	Prof. Rohit Sinha Prof. Ribhu	IITG	IITG	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG	Core	No		https://onlinecourses.nptel.ac.in/noc22_ee123/preview		https://nptel.ac.in/courses/108103185
noc22-ch66	Chemical Engineering	Hydrogen Energy: Production, Storage, Transportation and Safety	Prof. Pratibha Sharma	IITB	IITB	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	PG	Elective	Yes	Energy and Environment	https://onlinecourses.nptel.ac.in/noc22_ch66/preview		https://nptel.ac.in/courses/103101215
noc22-ee124	Electrical and Electronics Engineering	Digital Control in Switched Mode Power Converters and FPGA-based Prototyping	Prof. Santanu Kapat	IITKGP	IITKGP	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ee124/preview		https://nptel.ac.in/courses/108105186
noc22-ee125	Electrical and Electronics Engineering	VLSI Interconnects	Prof. Sarang Pendharker	IITKGP	IITKGP	8 Weeks	New	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ee125/preview		https://nptel.ac.in/courses/108105187
noc22-ee126	Electrical and Electronics Engineering	Electrical Distribution System Analysis	Prof. G.B. Kumbhar	IITR	IITR	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Core/Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ee126/preview	https://onlinecourses.nptel.ac.in/noc21_ee69/preview	https://nptel.ac.in/courses/108107112
noc22-ee127	Electrical and Electronics Engineering	Advance power electronics and Control	Prof. Avik Bhattacharya	IITR	IITR	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ee127/preview	https://onlinecourses.nptel.ac.in/noc20_ee28/preview	https://nptel.ac.in/courses/108107128
noc22-ge17	Health sciences	Electrocardiogram - Interpretation and application in clinical practice	Multifaculty	Chettinad Hospital and Research Institute	IITM	4 weeks	New	Jul 25, 2022	Aug 19, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ge17/preview		https://nptel.ac.in/courses/127106232
noc22-ge18	Public Health	Basics of Health Promotion and Education Intervention	Prof. Arista Lahiri Prof. Sweety Suman Jha Prof. Chandrasekhar taklikar Prof. Madhumita Dobe	IITKGP	IITKGP	8 Weeks	New	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_ge18/preview		https://nptel.ac.in/courses/127105232
noc22-hs73	Humanities and Social Sciences	Health Research Fundamentals	Prof. P. Manickam	NIE	IITM	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG	Elective	Yes	Psychology	https://onlinecourses.nptel.ac.in/noc22_hs73/preview	https://onlinecourses.nptel.ac.in/noc22_hs03/preview	https://nptel.ac.in/courses/109106095
noc22-hs74	Humanities and Social Sciences	Patent Drafting for Beginners	Prof. Feroz Ali	IITM	IITM	4 weeks	Rerun	Jul 25, 2022	Aug 19, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Faculty Domain for Experienced, Patents and Intellectual Property Rights	https://onlinecourses.nptel.ac.in/noc22_hs74/preview	https://onlinecourses.nptel.ac.in/noc22_hs04/preview	https://nptel.ac.in/courses/109106128
noc22-hs75	Humanities and Social Sciences	Text, Textuality and Digital Media	Prof. Arjun Gosh	IITD	IITD	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_hs75/preview	https://onlinecourses.nptel.ac.in/noc20_hs74/preview	https://nptel.ac.in/courses/109102156
noc22-hs76	Humanities and Social Sciences	Soft skills	Prof. Binod Mishra	IITR	IITR	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Core/Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_hs76/preview	https://onlinecourses.nptel.ac.in/noc21_hs76/preview	https://nptel.ac.in/courses/109107121
noc22-hs77	Humanities and Social Sciences	Developing Soft Skills and Personality	Prof. T Ravichandran	IITK	IITK	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_hs77/preview	https://onlinecourses.nptel.ac.in/noc21_hs57/preview	https://nptel.ac.in/courses/109104107
noc22-hs78	Humanities and Social Sciences	Body language: Key to professional Success	Prof. Rashmi Gaur	IITR	IITR	4 weeks	Rerun	#####	Sep 16, 2022	Oct 29, 2022	#####	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_hs78/preview	https://onlinecourses.nptel.ac.in/noc21_hs93/preview	https://nptel.ac.in/courses/109107154
noc22-hs79	Humanities and Social Sciences	Introduction to Literary Theory	Prof. Sayan Chattopadhyay	IITK	IITK	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG	Elective	Yes	English Studies	https://onlinecourses.nptel.ac.in/noc22_hs79/preview	https://onlinecourses.nptel.ac.in/noc21_hs86/preview	https://nptel.ac.in/courses/109104135
noc22-hs80	Humanities and Social Sciences	Brief introduction to Psychology	Prof. Braj Bhushan	IITK	IITK	4 weeks	Rerun	Jul 25, 2022	Aug 19, 2022	Sep 25, 2022	Aug 1, 2022	UG	Core/Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_hs80/preview	https://onlinecourses.nptel.ac.in/noc21_hs87/preview	https://nptel.ac.in/courses/109104093
noc22-hs81	Humanities and Social Sciences	Psychology of Everyday	Prof. Braj Bhushan Prof. Alok Bajpai	IITK	IITK	4 weeks	Rerun	#####	Sep 16, 2022	Oct 30, 2022	#####	UG	Elective	Yes	Psychology	https://onlinecourses.nptel.ac.in/noc22_hs81/preview	https://onlinecourses.nptel.ac.in/noc21_hs88/preview	https://nptel.ac.in/courses/109104151
noc22-hs82	Humanities and Social Sciences	Cognition, Transformation and Lives	Prof. Alok Bajpai	IITK	IITK	4 weeks	Rerun	Jul 25, 2022	Aug 19, 2022	Sep 25, 2022	Aug 1, 2022	UG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_hs82/preview	https://onlinecourses.nptel.ac.in/noc21_hs89/preview	https://nptel.ac.in/courses/109104121
noc22-hs83	Humanities and Social Sciences	Sociology of Science	Prof. Aninday Jayant Mishra	IITR	IITR	4 weeks	Rerun	Jul 25, 2022	Aug 19, 2022	Sep 25, 2022	Aug 1, 2022	PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_hs83/preview	https://onlinecourses.nptel.ac.in/noc21_hs92/preview	https://nptel.ac.in/courses/109107131
noc22-hs84	Humanities and Social Sciences	Introduction to Japanese Language and Culture	Prof. Vatsala Misra	IITK	IITK	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_hs84/preview	https://onlinecourses.nptel.ac.in/noc21_hs90/preview	https://nptel.ac.in/courses/121104005

noc22-hs85	Humanities and Social Sciences	Applied Linguistics	Prof.Rajesh Kumar	IITM	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Core/Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_hs85/preview	https://onlinecourses.nptel.ac.in/noc21_hs67/preview	https://nptel.ac.in/courses/109106114
noc22-hs86	Humanities and Social Sciences	Appreciating Carnatic Music	Prof. Lakshmi Sreeram	IITM	IITM	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_hs86/preview	https://onlinecourses.nptel.ac.in/noc21_hs95/preview	https://nptel.ac.in/courses/109106087
noc22-hs87	Humanities and Social Sciences	Patent Law for Engineers and Scientists	Prof. Feroz Ali	IITM	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Faculty Domain - Advanced, Patents and Intellectual Property Rights	https://onlinecourses.nptel.ac.in/noc22_hs87/preview	https://onlinecourses.nptel.ac.in/noc22_hs29/preview	https://nptel.ac.in/courses/110106081
noc22-hs88	Humanities and Social Sciences	German - I	Prof. Milind Brahme	IITM	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_hs88/preview	https://onlinecourses.nptel.ac.in/noc22_hs30/preview	https://nptel.ac.in/courses/109106166
noc22-hs89	Humanities and Social Sciences	German - II	Prof. Milind Brahme	IITM	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_hs89/preview	https://onlinecourses.nptel.ac.in/noc22_hs31/preview	https://nptel.ac.in/courses/109106165
noc22-hs90	Humanities and Social Sciences	Economics of IPR	Prof. Nalin Bharti	IITP	IITM	4 Weeks	Rerun	Jul 25, 2022	Aug 19, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Economics	https://onlinecourses.nptel.ac.in/noc22_hs90/preview	https://onlinecourses.nptel.ac.in/noc16_hs08/preview	https://nptel.ac.in/courses/109106100
noc22-hs91	Humanities and Social Sciences	The Popular Gothic Novel	Prof. Divya A	IITM	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_hs91/preview	https://onlinecourses.nptel.ac.in/noc21_hs97/preview	https://nptel.ac.in/courses/109106177
noc22-hs92	Humanities and Social Sciences	Classical Sociological Theory	Prof. R. Santhosh	IITM	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_hs92/preview	https://onlinecourses.nptel.ac.in/noc21_hs98/preview	https://nptel.ac.in/courses/109106180
noc22-hs93	Humanities and Social Sciences	Poetry	Prof. S P Dhanavel	IITM	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_hs93/preview	https://onlinecourses.nptel.ac.in/noc21_hs99/preview	https://nptel.ac.in/courses/109106176
noc22-hs94	Humanities and Social Sciences	Literary Theory and Literary Criticism	Prof. Aysha Iqbal	IITM	IITM	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	PG	Core	Yes	English Studies	https://onlinecourses.nptel.ac.in/noc22_hs94/preview	https://onlinecourses.nptel.ac.in/noc18_hs26/preview	https://nptel.ac.in/courses/109106084
noc22-hs95	Humanities and Social Sciences	Introduction to Film Studies	Prof. Aysha Iqbal	IITM	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG	Elective	Yes	English Studies	https://onlinecourses.nptel.ac.in/noc22_hs95/preview	https://onlinecourses.nptel.ac.in/noc21_hs17/preview	https://nptel.ac.in/courses/109106170
noc22-hs96	Humanities and Social Sciences	Introduction to Advanced Cognitive Processes	Prof. Ark Verma	IITK	IITK	8 Weeks	Rerun	#####	Oct 14, 2022	Oct 30, 2022	#####	UG/PG	Core/Elective	Yes	Psychology	https://onlinecourses.nptel.ac.in/noc22_hs96/preview	https://onlinecourses.nptel.ac.in/noc21_hs105/preview	https://nptel.ac.in/courses/109104126
noc22-hs97	Humanities and Social Sciences	Introduction to Basic Cognitive Processes	Prof. Ark Verma	IITK	IITK	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Core/Elective	Yes	Faculty Domain - Fundamental	https://onlinecourses.nptel.ac.in/noc22_hs97/preview	https://onlinecourses.nptel.ac.in/noc21_hs106/preview	https://nptel.ac.in/courses/109104123
noc22-hs98	Humanities and Social Sciences	International Trade - Theory and Empirics	Prof. Pratap C. Mohanty	IITR	IITR	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Core/Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_hs98/preview	https://onlinecourses.nptel.ac.in/noc21_hs46/preview	https://nptel.ac.in/courses/109107173
noc22-hs99	Humanities and Social Sciences	Short Fiction in Indian Literature	Prof. A Divya	IIT M	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_hs99/preview	https://onlinecourses.nptel.ac.in/noc21_hs66/preview	https://nptel.ac.in/courses/109106138
noc22-hs100	Humanities and Social Sciences	Feminist Writings	Prof. Avishek Parui	IIT M	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes	English Studies	https://onlinecourses.nptel.ac.in/noc22_hs100/preview	https://onlinecourses.nptel.ac.in/noc21_hs73/preview	https://nptel.ac.in/courses/109106146
noc22-hs101	Humanities and Social Sciences	Gender and literature	Prof. Avishek Parui	IIT M	IITM	8 Weeks	Rerun	#####	Oct 14, 2022	Oct 30, 2022	#####	UG/PG	Elective	Yes	English Studies	https://onlinecourses.nptel.ac.in/noc22_hs101/preview	https://onlinecourses.nptel.ac.in/noc20_hs59/preview	https://nptel.ac.in/courses/109103122
noc22-hs102	Humanities and Social Sciences	History of English Language and Literature	Prof. Merin Simi Raj	IIT M	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Core	Yes	English Studies	https://onlinecourses.nptel.ac.in/noc22_hs102/preview	https://onlinecourses.nptel.ac.in/noc21_hs68/preview	https://nptel.ac.in/courses/109106124
noc22-hs103	Humanities and Social Sciences	Postmodernism in Literature	Prof. Merin Simi Raj	IITM	IITM	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_hs103/preview	https://onlinecourses.nptel.ac.in/noc20_hs62/preview	https://nptel.ac.in/courses/109106130
noc22-hs104	Humanities and Social Sciences	Managing Intellectual Property in Universities	Prof. Feroz Ali	IITM	IITM	4 Weeks	Rerun	Jul 25, 2022	Aug 19, 2022	Sep 25, 2022	Aug 1, 2022	UG	Elective	Yes	Patents and Intellectual Property Rights	https://onlinecourses.nptel.ac.in/noc22_hs104/preview	https://onlinecourses.nptel.ac.in/noc21_hs69/preview	https://nptel.ac.in/courses/109106148
noc22-hs105	Humanities and Social Sciences	Energy Economics And Policy	Prof. Shyamasree Dasgupta	IIT Mandi	IITM	8 Weeks	Rerun	#####	Oct 14, 2022	Oct 30, 2022	#####	UG/PG	Elective	Yes	Economics Energy and Environment Energy Systems	https://onlinecourses.nptel.ac.in/noc22_hs105/preview	https://onlinecourses.nptel.ac.in/noc21_hs77/preview	https://nptel.ac.in/courses/109106161
noc22-hs106	Humanities and Social Sciences	सन्धि sandhi in Paninian grammar	Prof. Malhar Kulkarni	IITB	IITB	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_hs106/preview		https://nptel.ac.in/courses/109101195

noc22-hs107	Humanities and Social Sciences	Sociology and Resource Management	Prof. Archana Patnaik Prof. Amrita Sen	IIT KGP	IIT KGP	4 Weeks	New	#####	Sep 16, 2022	Oct 30, 2022	#####	UG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_hs107/preview		https://nptel.ac.in/courses/109105195
noc22-hs108	Humanities and Social Sciences	Urban Sociology	Prof. Archana Patnaik Prof. Amrita Sen	IIT KGP	IIT KGP	4 Weeks	New	#####	Sep 16, 2022	Oct 30, 2022	#####	PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_hs108/preview		https://nptel.ac.in/courses/109105196
noc22-hs109	Humanities and Social Sciences	Educational Leadership	Prof. Atasi Mohanty	IITKGP	IITKGP	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	PG	Elective	Yes	Faculty Domain - Advanced	https://onlinecourses.nptel.ac.in/noc22_hs109/preview	https://onlinecourses.nptel.ac.in/noc21_hs61/preview	https://nptel.ac.in/courses/109105122
noc22-hs110	Humanities and Social Sciences	Entrepreneurship And IP Strategy	Prof. Gouri Gargate	IITKGP	IITKGP	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Faculty Domain - Advanced	https://onlinecourses.nptel.ac.in/noc22_hs110/preview	https://onlinecourses.nptel.ac.in/noc21_hs102/preview	https://nptel.ac.in/courses/109105176
noc22-hs111	Humanities and Social Sciences	Globalization And Culture	Prof. Anjali Gera Roy	IITKGP	IITKGP	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_hs111/preview	https://onlinecourses.nptel.ac.in/noc21_hs94/preview	https://nptel.ac.in/courses/109105113
noc22-hs112	Humanities and Social Sciences	Great Experiments In Psychology	Prof. Rajlakshmi Guha	IITKGP	IITKGP	4 Weeks	Rerun	Jul 25, 2022	Aug 19, 2022	Sep 25, 2022	Aug 1, 2022	PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_hs112/preview	https://onlinecourses.nptel.ac.in/noc21_hs59/preview	https://nptel.ac.in/courses/109105118
noc22-hs113	Humanities and Social Sciences	Human Resource Development	Prof. KBL Srivastava	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_hs113/preview	https://onlinecourses.nptel.ac.in/noc21_mg49/preview	https://nptel.ac.in/courses/109105121
noc22-hs114	Humanities and Social Sciences	Spoken Sanskrit: Basic and Intermediate Levels	Prof. Anuradha Choudry	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_hs114/preview	https://onlinecourses.nptel.ac.in/noc21_hs107/preview	https://nptel.ac.in/courses/109105135 https://nptel.ac.in/courses/109105169
noc22-hs115	Humanities and Social Sciences	Symbolic Logic	Prof. Chhanda Chakraborti	IITKGP	IITKGP	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Core/Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_hs115/preview	https://onlinecourses.nptel.ac.in/noc18_ge17/preview	https://nptel.ac.in/courses/109105111
noc22-hs116	Humanities and Social Sciences	Urbanization and Environment	Prof. Jenia Mukherjee	IITKGP	IITKGP	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_hs116/preview	https://onlinecourses.nptel.ac.in/noc21_hs96/preview	https://nptel.ac.in/courses/109105185
noc22-hs117	Humanities and Social Sciences	Water Society And Sustainability	Prof. Jenia Mukherjee	IITKGP	IITKGP	4 Weeks	Rerun	#####	Sep 16, 2022	Oct 30, 2022	#####	PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_hs117/preview	https://onlinecourses.nptel.ac.in/noc21_hs60/preview	https://nptel.ac.in/courses/109105136
noc22-hs118	Humanities and Social Sciences	Introduction to Japanese Language and Culture - II	Prof. Vatsala Misra	IITK	IITK	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_hs118/preview		https://nptel.ac.in/courses/109104195
noc22-hs119	Humanities and Social Sciences	Management of Fixed Income Securities	Prof. Jitendra Mahakud	IITKGP	IITKGP	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_hs119/preview		https://nptel.ac.in/courses/109105197
noc22-hs120	Humanities and Social Sciences	Sociology of Development	Prof. Sambit Mallick	IITG	IITG	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_hs120/preview	https://onlinecourses.nptel.ac.in/noc21_hs81/preview	https://nptel.ac.in/courses/109103185
noc22-hs121	Humanities and Social Sciences	Introduction to Market Structures	Prof. Amarjyoti Mahanta	IITG	IITG	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_hs121/preview	https://onlinecourses.nptel.ac.in/noc21_hs84/preview	https://nptel.ac.in/courses/109103187
noc22-hs122	Humanities and Social Sciences	Introduction to Western Political Thought	Prof. Mithilesh Kumar Jha	IITG	IITG	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_hs122/preview	https://onlinecourses.nptel.ac.in/noc21_hs101/preview	https://nptel.ac.in/courses/109103176
noc22-hs123	Humanities and Social Sciences	The Psychology Of Language	Prof. Naveen Kashyap	IITG	IITG	8 weeks	Rerun	#####	Oct 14, 2022	Oct 29, 2022	#####	UG/PG	Elective	Yes	Psychology	https://onlinecourses.nptel.ac.in/noc22_hs123/preview	https://onlinecourses.nptel.ac.in/noc21_hs65/preview	https://nptel.ac.in/courses/109103152
noc22-hs124	Humanities and Social Sciences	Consumer Psychology	Prof. Naveen Kashyap	IITG	IITG	8 weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG	Elective	Yes	Psychology	https://onlinecourses.nptel.ac.in/noc22_hs124/preview	https://onlinecourses.nptel.ac.in/noc21_hs64/preview	https://nptel.ac.in/courses/109103136
noc22-hs125	Humanities and Social Sciences	Ecology and Society	Prof. Ngamjahao Kipgen	IITG	IITG	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_hs125/preview	https://onlinecourses.nptel.ac.in/noc21_hs91/preview	https://nptel.ac.in/courses/109103123
noc22-hs126	Humanities and Social Sciences	Environment and Development	Prof. Ngamjahao Kipgen	IITG	IITG	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_hs126/preview	https://onlinecourses.nptel.ac.in/noc21_hs83/preview	https://nptel.ac.in/courses/109103186
noc22-hs127	Humanities and Social Sciences	Development Research Methods	Prof. Rajshree Bedamatta	IITG	IITG	8 weeks	Rerun	#####	Oct 14, 2022	Oct 30, 2022	#####	PG	Elective	Yes	Faculty Domain - Advanced	https://onlinecourses.nptel.ac.in/noc22_hs127/preview	https://onlinecourses.nptel.ac.in/noc21_hs85/preview	https://nptel.ac.in/courses/109103153
noc22-hs128	Humanities and Social Sciences	Science, Technology and Society	Prof. Sambit Mallick	IITG	IITG	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_hs128/preview	https://onlinecourses.nptel.ac.in/noc21_hs82/preview	https://nptel.ac.in/courses/109103121
noc22-hs129	Humanities and Social Sciences	Introducing Modern Western Art: Movements and Artists	Prof. Soumik Nandy Majumdar	IITK	IITK	4 Weeks	Rerun	Jul 25, 2022	Aug 19, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_hs129/preview	https://onlinecourses.nptel.ac.in/noc17_hs17/preview	https://nptel.ac.in/courses/109104117
noc22-hs130	Humanities and Social Sciences	Introduction to Indian Art - An appreciation	Prof. Soumik Nandy Majumdar	IITK	IITK	4 Weeks	Rerun	Jul 25, 2022	Aug 19, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_hs130/preview	https://onlinecourses.nptel.ac.in/noc20_hs09/preview	https://nptel.ac.in/courses/109104102
noc22-hs131	Humanities and Social Sciences	Elements of Visual Representation	Prof. Shatarupa Thakruta Roy	IITK	IITK	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_hs131/preview	https://onlinecourses.nptel.ac.in/noc20_hs81/preview	https://nptel.ac.in/courses/109104088
noc22-hs132	Humanities and Social Sciences	Mathematics for Economics - I	Prof. Debarshi Das	IITG	IITG	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG	Elective	Yes	Economics	https://onlinecourses.nptel.ac.in/noc22_hs132/preview	https://onlinecourses.nptel.ac.in/noc21_hs104/preview	https://nptel.ac.in/courses/109103188

noc22-hs133	Humanities and Social Sciences	Indian Art: Materials, Techniques and Artistic Practices	Prof. Rajarshi Sengupta	IITK	IITK	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG	Core	No		https://onlinecourses.nptel.ac.in/noc22_hs133/preview		https://nptel.ac.in/courses/109104196
noc22-hs134	Humanities and Social Sciences	Public Speaking	Prof. Binod Mishra	IITR	IITR	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_hs134/preview		https://nptel.ac.in/courses/109107195
noc22-hs135	Humanities and Social Sciences	An Introduction to Indian Literary Theory	Prof. Sreenath V.S	IISER Bhopal	IITM	8 Weeks	New	#####	Oct 14, 2022	Oct 30, 2022	#####	PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_hs135/preview		https://nptel.ac.in/courses/109106195
noc22-hs136	Humanities and Social Sciences	Partition of India in Print Media and Cinema	Prof. Sarbani Banerjee	IITR	IITR	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_hs136/preview		https://nptel.ac.in/courses/109107196
noc22-hs137	Humanities and Social Sciences	प्रमुख हिंदी कहानियाँ और भारतीय समाज	Prof. Shri Prakash Shukla	Banaras Hindu University	IITK	4 Weeks	New	Jul 25, 2022	Aug 19, 2022	Sep 25, 2022	Aug 1, 2022	UG	Core	No		https://onlinecourses.nptel.ac.in/noc22_hs137/preview		https://nptel.ac.in/courses/109104197
noc22-hs138	Humanities and Social Sciences	Literary and Cultural Disability Studies: An Exploration	Prof. Hemachandran Karah	IITM	IITM	12 Weeks	rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_hs138/preview	https://onlinecourses.nptel.ac.in/noc21_hs58/preview	https://nptel.ac.in/courses/109106185
noc22-hs139	Humanities and Social Sciences	Fundamental Concepts in Sociolinguistics	Prof. Om Prakash	Gautam Buddha University	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_hs139/preview	https://onlinecourses.nptel.ac.in/noc21_hs100/preview	https://nptel.ac.in/courses/109106188
noc22-hs141	Humanities and Social Sciences	German - III	Prof. Milind Brahme	IITM	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_hs141/preview	https://onlinecourses.nptel.ac.in/noc22_hs32/preview	https://nptel.ac.in/courses/109106190
noc22-lw01	Law	Right to Information and Good Governance	Prof. Sairam Bhat	National Law School of India University	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_lw01/preview	https://onlinecourses.nptel.ac.in/noc21_lw01/preview	https://nptel.ac.in/courses/129106001
noc22-lw02	Law	Constitution of India and Environmental Governance: Administrative and Adjudicatory Process	Prof. Sairam Bhat Prof. M. K. Ramesh	National Law School of India University	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_lw02/preview	https://onlinecourses.nptel.ac.in/noc21_lw02/preview	https://nptel.ac.in/courses/129106002
noc22-lw03	Law	Introduction to Law on Electricity	Prof. Uday Shankar	IITKGP	IITKGP	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_lw03/preview	https://onlinecourses.nptel.ac.in/noc21_lw03/preview	https://nptel.ac.in/courses/129105004
noc22-lw04	Law	Legal and Regulatory Issues in Biotechnology	Prof. Niharika Sahoo Bhattacharya	IITKGP	IITKGP	4 Weeks	Rerun	Jul 25, 2022	Aug 19, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_lw04/preview	https://onlinecourses.nptel.ac.in/noc21_lw04/preview	https://nptel.ac.in/courses/129105005
noc22-lw05	Law	New Labour Codes of India	Prof. Raju KD	IIT KGP	IIT KGP	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_lw05/preview		https://nptel.ac.in/courses/129105006
noc22-lw06	Law	Advanced Contracts, Tendering and Public Procurement	Prof. Sairam Bhat	NLSIU	IITM	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_lw06/preview		https://nptel.ac.in/courses/129106006
noc22-mg57	Management	Marketing Management - I	Prof. Jayanta Chatterjee Prof. Shashi Shekhar	IITK	IITK	8 Weeks	Rerun	#####	Oct 14, 2022	Oct 29, 2022	#####	UG	Elective	Yes	Marketing, Minor	https://onlinecourses.nptel.ac.in/noc22_mg57/preview	https://onlinecourses.nptel.ac.in/noc21_mg51/preview	https://nptel.ac.in/courses/110104068
noc22-mg58	Management	Managing Services	Prof. Jayanta Chatterjee	IITK	IITK	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	PG	Elective	Yes	Marketing	https://onlinecourses.nptel.ac.in/noc22_mg58/preview	https://onlinecourses.nptel.ac.in/noc21_mg52/preview	https://nptel.ac.in/courses/110104065
noc22-mg59	Management	Data Analysis & Decision Making - III	Prof. Raghu Nandan Sengupta	IITK	IITK	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	PG	Elective	Yes	Operations	https://onlinecourses.nptel.ac.in/noc22_mg59/preview	https://onlinecourses.nptel.ac.in/noc19_mg45/preview	https://nptel.ac.in/courses/110104125
noc22-mg60	Management	Project Management	Prof. Raghu Nandan Sengupta	IITK	IITK	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG	Elective	Yes	Operations	https://onlinecourses.nptel.ac.in/noc22_mg60/preview	https://onlinecourses.nptel.ac.in/noc21_mg71/preview	https://nptel.ac.in/courses/110104073
noc22-mg61	Management	Training Of Trainers	Prof. Santosh Rangnekar	IITR	IITR	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Faculty Domain - Advanced	https://onlinecourses.nptel.ac.in/noc22_mg61/preview	https://onlinecourses.nptel.ac.in/noc21_mg73/preview	https://nptel.ac.in/courses/110107126
noc22-mg62	Management	Decision-Making Under Uncertainty	Prof. N. Gautam	Texas A&M Univ.	IITM	4 weeks	Rerun	#####	Sep 16, 2022	Oct 30, 2022	#####	UG/PG	Elective	Yes	Managerial Economics Operations	https://onlinecourses.nptel.ac.in/noc22_mg62/preview	https://onlinecourses.nptel.ac.in/noc21_mg74/preview	https://nptel.ac.in/courses/110106134
noc22-mg63	Management	Financial Accounting	Prof. Varadraj Bapat	IITB	IITB	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Core/Elective	Yes	Minor	https://onlinecourses.nptel.ac.in/noc22_mg63/preview	https://onlinecourses.nptel.ac.in/noc21_mg75/preview	https://nptel.ac.in/courses/110101131
noc22-mg64	Management	Cost Accounting	Prof. Varadraj Bapat	IITB	IITB	4 weeks	Rerun	Jul 25, 2022	Aug 19, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Core/Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_mg64/preview	https://onlinecourses.nptel.ac.in/noc21_mg76/preview	https://nptel.ac.in/courses/110101132
noc22-mg65	Management	Management Accounting	Prof. Anil K. Sharma	IITR	IITR	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_mg65/preview	https://onlinecourses.nptel.ac.in/noc21_mg62/preview	https://nptel.ac.in/courses/110107127
noc22-mg66	Management	Working Capital Management	Prof. Anil K. Sharma	IITR	IITR	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_mg66/preview	https://onlinecourses.nptel.ac.in/noc21_mg61/preview	https://nptel.ac.in/courses/110107093
noc22-mg67	Management	Business Analytics & Data Mining Modeling Using R Part II	Prof. Gaurav Dixit	IITR	IITR	4 weeks	Rerun	Jul 25, 2022	Aug 19, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_mg67/preview	https://onlinecourses.nptel.ac.in/noc21_mg64/preview	https://nptel.ac.in/courses/110107095
noc22-mg68	Management	Business Analytics & Text Mining Modeling Using Python	Prof. Gaurav Dixit	IITR	IITR	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_mg68/preview	https://onlinecourses.nptel.ac.in/noc21_mg65/preview	https://nptel.ac.in/courses/110107129

noc22-mg69	Management	Toyota Production System	Prof. Rajat Agarwal	IITR	IITR	8 Weeks	Rerun	#####	Oct 14, 2022	Oct 29, 2022	#####	UG/PG	Elective	Yes	Operations	https://onlinecourses.nptel.ac.in/noc22_mg69/preview	https://onlinecourses.nptel.ac.in/noc21_mg69/preview	https://nptel.ac.in/courses/110107130
noc22-mg70	Management	Marketing research and analysis	Prof. J.K.Nayak	IITR	IITR	8 Weeks	Rerun	#####	Oct 14, 2022	Oct 30, 2022	#####	UG/PG	Core/Elective	Yes	Marketing	https://onlinecourses.nptel.ac.in/noc22_mg70/preview	https://onlinecourses.nptel.ac.in/noc21_mg67/preview	https://nptel.ac.in/courses/110107080
noc22-mg71	Management	Project management for managers	Prof. Mukesh Kumar Barua	IITR	IITR	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG	Elective	Yes	Operations	https://onlinecourses.nptel.ac.in/noc22_mg71/preview	https://onlinecourses.nptel.ac.in/noc21_mg66/preview	https://nptel.ac.in/courses/110107081
noc22-mg72	Management	Services Marketing : Integrating People, Technology, Strategy	Prof. Zillur Rahman	IITR	IITR	8 Weeks	Rerun	#####	Oct 14, 2022	Oct 29, 2022	#####	PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_mg72/preview	https://onlinecourses.nptel.ac.in/noc21_mg78/preview	https://nptel.ac.in/courses/110107142
noc22-mg73	Management	Innovation, Business Models and Entrepreneurship	Prof. Rajat Agarwal Prof. Vinay Sharma	IITR	IITR	8 Weeks	Rerun	#####	Oct 14, 2022	Oct 30, 2022	#####	UG/PG	Elective	Yes	Patents and Intellectual Property Rights	https://onlinecourses.nptel.ac.in/noc22_mg73/preview	https://onlinecourses.nptel.ac.in/noc21_mg63/preview	https://nptel.ac.in/courses/110107094
noc22-mg74	Management	Operations and supply chain management	Prof. G. Srinivasan	IITM	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Minor Operations	https://onlinecourses.nptel.ac.in/noc22_mg74/preview	https://onlinecourses.nptel.ac.in/noc21_mg79/preview	https://nptel.ac.in/courses/110106045
noc22-mg75	Management	Design Thinking - A Primer	Prof. Ashwin Mahalingam Prof. Bala Ramadurai	IITM	IITM	4 Weeks	Rerun	#####	Sep 16, 2022	Oct 29, 2022	#####	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_mg75/preview	https://onlinecourses.nptel.ac.in/noc22_mg32/preview	https://nptel.ac.in/courses/110106124
noc22-mg76	Management	Game Theory	Prof.K.S. Mallikarjuna Rao	IITB	IITB	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG	Elective	Yes	Economics Managerial Economics	https://onlinecourses.nptel.ac.in/noc22_mg76/preview	https://onlinecourses.nptel.ac.in/noc21_mg24/preview	https://nptel.ac.in/courses/110101133
noc22-mg77	Management	Strategy: An Introduction to game Theory	Prof. Aditya Jagannatham Prof. Vimal Kumar	IITK	IITK	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Economics Managerial Economics Operations	https://onlinecourses.nptel.ac.in/noc22_mg77/preview	https://onlinecourses.nptel.ac.in/noc21_mg50/preview	https://nptel.ac.in/courses/110104063
noc22-mg78	Management	Organizational Behaviour	Prof. M. P. Ganesh	IITH	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	PG	Core/Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_mg78/preview	https://onlinecourses.nptel.ac.in/noc21_mg82/preview	https://nptel.ac.in/courses/110106145
noc22-mg79	Management	The Future of Manufacturing Business: Role of Digital Technologies	Prof. R. K. Amit Prof. U. Chandrasekhar	IITM & Wipro 3D	IITM	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Operations	https://onlinecourses.nptel.ac.in/noc22_mg79/preview	https://onlinecourses.nptel.ac.in/noc21_mg83/preview	https://nptel.ac.in/courses/110106146
noc22-mg80	Management	Managerial Skills for Interpersonal Dynamics	Prof. Santosh Rangnekar	IITR	IITR	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_mg80/preview	https://onlinecourses.nptel.ac.in/noc21_mg36/preview	https://nptel.ac.in/courses/110107143
noc22-mg81	Management	Entrepreneurship	Prof. C Bhaktavatsala Rao	IITM	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Core	Yes	Faculty Domain - Advanced	https://onlinecourses.nptel.ac.in/noc22_mg81/preview	https://onlinecourses.nptel.ac.in/noc21_mg70/preview	https://nptel.ac.in/courses/110106141
noc22-mg82	Management	Product and Brand Management	Prof. Vinay Sharma	IITR	IITR	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_mg82/preview		https://nptel.ac.in/courses/110107161
noc22-mg83	Management	Quantitative Investment Organization	Prof. J P Singh	IITR	IITR	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_mg83/preview		https://nptel.ac.in/courses/110107162
noc22-mg84	Management	Development and Change in 21st Century	Prof. Ashish Pandey	IITB	IITB	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Faculty Domain - Advanced	https://onlinecourses.nptel.ac.in/noc22_mg84/preview	https://onlinecourses.nptel.ac.in/noc21_mg91/preview	https://nptel.ac.in/courses/110101146
noc22-mg85	Management	Business and Sustainable Development	Prof. Trupti Mishra	IITB	IITB	4 weeks	Rerun	#####	Sep 16, 2022	Oct 29, 2022	#####	UG/PG	Elective	Yes	Managerial Economics	https://onlinecourses.nptel.ac.in/noc22_mg85/preview	https://onlinecourses.nptel.ac.in/noc21_mg94/preview	https://nptel.ac.in/courses/110101153
noc22-mg86	Management	Economics Of Health And Health Care	Prof. Angan Sengupta	Amrita Vishwa Vidyapeetham	IITK	8 Weeks	Rerun	#####	Oct 14, 2022	Oct 30, 2022	#####	PG	Elective	Yes	Economics	https://onlinecourses.nptel.ac.in/noc22_mg86/preview	https://onlinecourses.nptel.ac.in/noc20_mg69/preview	https://nptel.ac.in/courses/110104095
noc22-mg87	Management	Descriptive Statistics With R Software	Prof. Prashant Jha Prof. Shalabh	IITK	IITK	8 Weeks	Rerun	#####	Oct 14, 2022	Oct 30, 2022	#####	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_mg87/preview	https://onlinecourses.nptel.ac.in/noc21_mg76/preview	https://nptel.ac.in/courses/111104120
noc22-mg88	Management	Strategic Management for Strategic	Prof. Sanjib Chowdhury	IITKGP	IITKGP	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_mg88/preview		https://nptel.ac.in/courses/110105161
noc22-mg89	Management	Management – The Competitive Edge	Prof. R Srinivasan	IISC	IISC	8 Weeks	New	#####	Oct 14, 2022	Oct 30, 2022	#####	PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_mg89/preview		https://nptel.ac.in/courses/110108161
noc22-mg90	Management	Automation in Production Systems and Management	Prof. Pradip Kumar Ray	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Managerial Economics Operations	https://onlinecourses.nptel.ac.in/noc22_mg90/preview	https://onlinecourses.nptel.ac.in/noc21_mg92/preview	https://nptel.ac.in/courses/110105155
noc22-mg91	Management	Commodity Derivatives And Risk Management	Prof. Prabina Rajib	IITKGP	IITKGP	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_mg91/preview	https://onlinecourses.nptel.ac.in/noc21_mg58/preview	https://nptel.ac.in/courses/110105071

noc22-mg92	Management	Corporate Finance	Prof. Abhijeet Chandra	IITKGP	IITKGP	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Economics and Finance	https://onlinecourses.nptel.ac.in/noc22_mg92/preview	https://onlinecourses.nptel.ac.in/noc21_mg93/preview	https://nptel.ac.in/courses/110105156
noc22-mg93	Management	Customer Relationship Management	Prof. Swagato Chatterjee	IITKGP	IITKGP	8 Weeks	Rerun	#####	Oct 14, 2022	Oct 30, 2022	#####	PG	Elective	Yes	Marketing	https://onlinecourses.nptel.ac.in/noc22_mg93/preview	https://onlinecourses.nptel.ac.in/noc20_mg57/preview	https://nptel.ac.in/courses/110105145
noc22-mg94	Management	Decision Support System For Managers	Prof. Kunal Kanti Ghosh Prof. Anupam Ghosh Prof. Sujoy Bhattacharya	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_mg94/preview	https://onlinecourses.nptel.ac.in/noc20_mg59/preview	https://nptel.ac.in/courses/110105147
noc22-mg95	Management	Ethics In Engineering Practice	Prof. Susmita Mukhopadhyay	IITKGP	IITKGP	8 Weeks	Rerun	#####	Oct 14, 2022	Oct 29, 2022	#####	UG/PG	Elective	Yes	Faculty Domain - Advanced, Faculty Domain - Fundamental	https://onlinecourses.nptel.ac.in/noc22_mg95/preview	https://onlinecourses.nptel.ac.in/noc22_mg54/preview	https://nptel.ac.in/courses/110105097
noc22-mg96	Management	Gender Justice And Workplace Security	Prof. Dipa Dube	IITKGP	IITKGP	4 Weeks	Rerun	#####	Sep 16, 2022	Oct 29, 2022	#####	UG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_mg96/preview	https://onlinecourses.nptel.ac.in/noc21_mg57/preview	https://nptel.ac.in/courses/110105080
noc22-mg97	Management	Industrial Safety Engineering	Prof. Jhareswar Maiti	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_mg97/preview	https://onlinecourses.nptel.ac.in/noc21_mg59/preview	https://nptel.ac.in/courses/110105094
noc22-mg98	Management	Intellectual Property Rights And Competition Law	Prof. K. D. Raju Prof. Niharika Sahoo Bhattacharya	IITKGP	IITKGP	8 Weeks	Rerun	#####	Oct 14, 2022	Oct 30, 2022	#####	UG/PG	Elective	Yes	Patents and Intellectual Property Rights	https://onlinecourses.nptel.ac.in/noc22_mg98/preview	https://onlinecourses.nptel.ac.in/noc21_mg96/preview	https://nptel.ac.in/courses/110105139
noc22-mg99	Management	Knowledge Management	Prof. KBL Srivastava	IITKGP	IITKGP	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_mg99/preview	https://onlinecourses.nptel.ac.in/noc21_mg56/preview	https://nptel.ac.in/courses/110105076
noc22-mg100	Management	Management Information System	Prof. Kunal Kanti Ghosh Prof. Saini Das Prof. Surojit Mukherjee	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_mg100/preview	https://onlinecourses.nptel.ac.in/noc21_mg89/preview	https://nptel.ac.in/courses/110105148
noc22-ma38	Management	Matrix Solver	Prof. Somnath Roy	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ma38/preview	https://onlinecourses.nptel.ac.in/noc18_ma13/preview	https://nptel.ac.in/courses/111105111
noc22-mg101	Management	Patent Search and Analysis	Prof. M. Padmavati Prof. Shreya Matilal	IITKGP	IITKGP	8 Weeks	Rerun	#####	Oct 14, 2022	Oct 29, 2022	#####	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_mg101/preview	https://onlinecourses.nptel.ac.in/noc21_hs103/preview	https://nptel.ac.in/courses/110105140
noc22-mg102	Management	Performance And Reward Management	Prof. Susmita Mukhopadhyay	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_mg102/preview	https://onlinecourses.nptel.ac.in/noc19_mg52/preview	https://nptel.ac.in/courses/110105137
noc22-mg103	Management	Principles Of Human Resource Management	Prof. Aradhna Malik	IITKGP	IITKGP	8 Weeks	Rerun	#####	Oct 14, 2022	Oct 29, 2022	#####	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_mg103/preview	https://onlinecourses.nptel.ac.in/noc21_mg21/preview	https://nptel.ac.in/courses/110105069
noc22-mg104	Management	Principles Of Management	Prof. Susmita Muhopadhyay Prof. S. Srinivasan	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Core	Yes	Minor	https://onlinecourses.nptel.ac.in/noc22_mg104/preview	https://onlinecourses.nptel.ac.in/noc21_mg88/preview	https://nptel.ac.in/courses/110105146
noc22-mg105	Management	Soft Skills For Business Negotiations And Marketing Strategies	Prof. Uttam Kumar Banerjee	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_mg105/preview	https://onlinecourses.nptel.ac.in/noc20_mg39/preview	https://nptel.ac.in/courses/110105090
noc22-mg106	Management	Decision Modeling	Prof. Biswajit Mahanty	IITKGP	IITKGP	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Operations	https://onlinecourses.nptel.ac.in/noc22_mg106/preview	https://onlinecourses.nptel.ac.in/noc21_mg95/preview	https://nptel.ac.in/courses/110105082
noc22-mg107	Management	Strategic Sales Management	Prof. Sourabh Arora Prof. Kalpak	IITR	IITR	8 Weeks	New	#####	Oct 14, 2022	Oct 30, 2022	#####	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_mg107/preview		https://nptel.ac.in/courses/110107163
noc22-mg108	Management	Human Factors Engineering	Prof. Pradip Kumar Ray Prof. Virendra Kumar Tewari	IITKGP	IITKGP	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_mg108/preview		https://nptel.ac.in/courses/110105162
noc22-mg109	Management	Introduction to Marketing Essentials	Prof. Zillur Rahman	IITR	IITR	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	PG	Elective	Yes	Marketing	https://onlinecourses.nptel.ac.in/noc22_mg109/preview	https://onlinecourses.nptel.ac.in/noc21_mg97/preview	https://nptel.ac.in/courses/110107147
noc22-mg111	Management	Stress Management	Prof. Rajlakshmi Guha	IITKGP	IITKGP	4 Weeks	Rerun	#####	Sep 16, 2022	Oct 29, 2022	#####	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_mg111/preview	https://onlinecourses.nptel.ac.in/noc21_ge18/preview	https://nptel.ac.in/courses/121105009
noc22-mg112	Management	Econometric Modelling	Prof. Sujata Kar	IITR	IITR	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_mg112/preview	https://onlinecourses.nptel.ac.in/noc21_mg80/preview	https://nptel.ac.in/courses/110107153
noc22-mg113	Management	Security Analysis & Portfolio Management	Prof. J. P. Singh	IITR	IITR	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_mg113/preview	https://onlinecourses.nptel.ac.in/noc21_mg99/preview	https://nptel.ac.in/courses/110107154
noc22-ma39	Mathematics	Numerical Methods	Prof. Ameeya Kumar Nayak Prof. Sanjeev Kumar	IITR	IITR	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG	Core	No	Computational Thermo Fluids	https://onlinecourses.nptel.ac.in/noc22_ma39/preview	https://onlinecourses.nptel.ac.in/noc21_ma45/preview	https://nptel.ac.in/courses/111107105
noc22-ma40	Mathematics	Essential Mathematics For Machine Learning	Prof. Sanjeev Kumar Prof. S.K. Gupta	IITR	IITR	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ma40/preview	https://onlinecourses.nptel.ac.in/noc21_ma38/preview	https://nptel.ac.in/courses/111107137

noc22-ma41	Mathematics	Mathematical Methods and its Applications	Prof. P.N. Agarwal Prof.S.K Gupta	IITR	IITR	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ma41/preview	https://onlinecourses.nptel.ac.in/noc21_ma56/preview	https://nptel.ac.in/courses/111107098
noc22-ma42	Mathematics	Advanced Engineering Mathematics	Prof. P.N. Agarwal	IITR	IITR	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG	Core	No		https://onlinecourses.nptel.ac.in/noc22_ma42/preview	https://onlinecourses.nptel.ac.in/noc21_ma57/preview	https://nptel.ac.in/courses/111107119
noc22-ma43	Mathematics	Measure Theory	Prof. Inder Kumar Rana	IITB	IITB	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_ma43/preview	https://onlinecourses.nptel.ac.in/noc21_ma52/preview	https://nptel.ac.in/courses/111101100
noc22-ma44	Mathematics	Calculus for Economics,Commerce and Management	Prof. I.K.Rana	IITB	IITB	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG	Core	No		https://onlinecourses.nptel.ac.in/noc22_ma44/preview	https://onlinecourses.nptel.ac.in/noc21_ma53/preview	https://nptel.ac.in/courses/111101109
noc22-ma45	Mathematics	Linear Algebra	Prof. Dilip P. Patil	IISc	IISc	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_ma45/preview	https://onlinecourses.nptel.ac.in/noc21_ma50/preview	https://nptel.ac.in/courses/111108098
noc22-ma46	Mathematics	Galois Theory	Prof. Dilip Patil	IITB	IITB	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_ma46/preview	https://onlinecourses.nptel.ac.in/noc21_ma54/preview	https://nptel.ac.in/courses/111101117
noc22-ma47	Mathematics	Introduction to Fuzzy Set Theory, Arithmetic and Logic	Prof. Nilladri Chaterjee	IITD	IITD	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ma47/preview	https://onlinecourses.nptel.ac.in/noc21_ma55/preview	https://nptel.ac.in/courses/111102130
noc22-ma48	Mathematics	Operations Research	Prof. Kusumdeep	IITR	IITR	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG	Core	No		https://onlinecourses.nptel.ac.in/noc22_ma48/preview	https://onlinecourses.nptel.ac.in/noc21_ma62/preview	https://nptel.ac.in/courses/111107128
noc22-ma49	Mathematics	Calculus of One Real Variable	Prof. Joydeep Dutta	IITK	IITK	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG	Core	No		https://onlinecourses.nptel.ac.in/noc22_ma49/preview	https://onlinecourses.nptel.ac.in/noc21_ma60/preview	https://nptel.ac.in/courses/109104124
noc22-ma50	Mathematics	Calculus of Several Real Variables	Prof. Joydeep Dutta	IITK	IITK	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG	Core	No		https://onlinecourses.nptel.ac.in/noc22_ma50/preview	https://onlinecourses.nptel.ac.in/noc21_ma61/preview	https://nptel.ac.in/courses/111104125
noc22-ma51	Mathematics	Integral Transforms And Their Applications	Prof. Sarthok Sircar	IIITD	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ma51/preview	https://onlinecourses.nptel.ac.in/noc21_ma59/preview	https://nptel.ac.in/courses/111102129
noc22-ma52	Mathematics	Introduction to Methods of Applied Mathematics	Prof. Mani Mehra Prof. Vivek Kumar Aggarwal	IITD	IITD	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ma52/preview	https://onlinecourses.nptel.ac.in/noc21_ma64/preview	https://nptel.ac.in/courses/111102133
noc22-ma53	Mathematics	Matrix Analysis with Applications	Prof. S.K.Gupta Prof. Sanjeev Kumar	IITR	IITR	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_ma53/preview	https://onlinecourses.nptel.ac.in/noc21_ma46/preview	https://nptel.ac.in/courses/111107112
noc22-ma54	Mathematics	Introduction to Abstract Group Theory	Prof. Krishna Hanumanthu	CMI	IITM	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Core	Yes	Algebra Foundation s of mathematics	https://onlinecourses.nptel.ac.in/noc22_ma54/preview	https://onlinecourses.nptel.ac.in/noc21_ma42/preview	https://nptel.ac.in/courses/111106113
noc22-ma55	Mathematics	Regression Analysis	Prof. Soumen Maity	IISER Pune	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ma55/preview	https://onlinecourses.nptel.ac.in/noc21_ma43/preview	https://nptel.ac.in/courses/111105042
noc22-ma56	Mathematics	Introduction to Probability Theory and Stochastic Processes	Prof. S Dharmaraja	IITD	IITD	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG	Core	No	Economics and Finance	https://onlinecourses.nptel.ac.in/noc22_ma56/preview	https://onlinecourses.nptel.ac.in/noc21_ma66/preview	https://nptel.ac.in/courses/111102111
noc22-ma57	Mathematics	Complex Analysis	Prof. Pranav Haridas	Kerala School of Mathematics	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Core	Yes	Foundation s of mathematics	https://onlinecourses.nptel.ac.in/noc22_ma57/preview	https://onlinecourses.nptel.ac.in/noc21_ma39/preview	https://nptel.ac.in/courses/111106141
noc22-ma58	Mathematics	Computational Commutative Algebra	Prof. Manoj Kummini	CMI	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Algebra	https://onlinecourses.nptel.ac.in/noc22_ma58/preview	https://onlinecourses.nptel.ac.in/noc21_ma40/preview	https://nptel.ac.in/courses/111106138
noc22-ma59	Mathematics	Algebra - I	Prof. S. Viswanath Prof. Amritanshu Prasad	IMSc	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_ma59/preview	https://onlinecourses.nptel.ac.in/noc21_ma71/preview	https://nptel.ac.in/courses/111106137
noc22-ma60	Mathematics	Non-parametric Statistical Inference	Prof. Niladri Chatterjee	IITD	IITD	4 Weeks	Rerun	Jul 25, 2022	Aug 19, 2022	Sep 25, 2022	Aug 1, 2022	UG	Core/Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ma60/preview	https://onlinecourses.nptel.ac.in/noc21_ma73/preview	https://nptel.ac.in/courses/111102143
noc22-ma61	Mathematics	An Introduction to Point-Set-Topology	Prof. Anant R Shastri	IITB	IITB	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ma61/preview		https://nptel.ac.in/courses/111101160
noc22-ma62	Mathematics	Laplace transform	Prof. Indrava Roy	IMSc	IITM	4 Weeks	Rerun	Jul 25, 2022	Aug 19, 2022	Sep 25, 2022	Aug 1, 2022	UG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ma62/preview	https://onlinecourses.nptel.ac.in/noc21_ma69/preview	https://nptel.ac.in/courses/111106139
noc22-ma63	Mathematics	Operator Theory	Prof. G. Ramesh	IIT Hyderabad	IITM	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ma63/preview		https://nptel.ac.in/courses/111106160
noc22-ma64	Mathematics	Measure and Integration	Prof S. Kesavan	IMSC	IITM	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_ma64/preview		https://nptel.ac.in/courses/111106161
noc22-ma65	Mathematics	Mathematical Methods in Physics 2	Prof. Auditya Sharma	IISER Bhopal	IITM	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG	Core	No		https://onlinecourses.nptel.ac.in/noc22_ma65/preview	https://onlinecourses.nptel.ac.in/noc21_ma48/preview	https://nptel.ac.in/courses/111106152
noc22-ma66	Mathematics	Sobolev Spaces and Partial Differential Equations	Prof. Kesavan	IMSc	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ma66/preview	https://onlinecourses.nptel.ac.in/noc21_ma67/preview	https://nptel.ac.in/courses/111106154
noc22-ma67	Mathematics	Combinatorics	Prof. Narayanan N	IITM	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG	Elective	Yes	Algebra	https://onlinecourses.nptel.ac.in/noc22_ma67/preview	https://onlinecourses.nptel.ac.in/noc21_ma68/preview	https://nptel.ac.in/courses/111106155
noc22-ma68	Mathematics	Geometry of Vision	Prof. Vijay Ravikumar	CMI	IITM	4 Weeks	Rerun	#####	Sep 16, 2022	Oct 29, 2022	#####	UG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ma68/preview	https://onlinecourses.nptel.ac.in/noc21_ma77/preview	https://nptel.ac.in/courses/111106156
noc22-ma69	Mathematics	Foundations of R Software	Prof. Shalabh	IITK	IITK	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ma69/preview		https://nptel.ac.in/courses/111104160

noc22-ma70	Mathematics	Foundations of R Software (In Hindi Language)	Prof. Shalabh	IITK	IITK	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ma70/preview		https://nptel.ac.in/courses/111104161
noc22-ma71	Mathematics	Approximate Reasoning using Fuzzy Set Theory	Prof. Balasubramaniam Jayaram	IIT Hyderabad	IITM	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ma71/preview		https://nptel.ac.in/courses/111106162
noc22-ma72	Mathematics	Differential equations for engineers	Prof. Srinivasa Rao Manam	IITM	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG	Core	No		https://onlinecourses.nptel.ac.in/noc22_ma72/preview	https://onlinecourses.nptel.ac.in/noc17_ma11/preview	https://nptel.ac.in/courses/111106100
noc22-ma73	Mathematics	Partial Differential Equations	Prof. Sivaji Ganesh	IITB	IITB	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_ma73/preview	https://onlinecourses.nptel.ac.in/noc21_ma51/preview	https://nptel.ac.in/courses/111101153
noc22-ma74	Mathematics	First Course on Partial Differential Equations - II	Prof. A. K. Nandakumaran Prof. P.S. Datti	IISc	IISc	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_ma74/preview	https://onlinecourses.nptel.ac.in/noc21_ma47/preview	https://nptel.ac.in/courses/111108152
noc22-ma75	Mathematics	Advanced Calculus For Engineers	Prof. Jitendra Kumar Prof. Somesh Kumar	IITKGP	IITKGP	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG	Core	No		https://onlinecourses.nptel.ac.in/noc22_ma75/preview		https://nptel.ac.in/courses/111105160
noc22-ma76	Mathematics	Rings and Modules	Prof. Mousumi Mandal Prof. Ramakrishna Nanduri	IITKGP	IITKGP	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ma76/preview		https://nptel.ac.in/courses/111105161
noc22-ma77	Mathematics	Engineering Mathematics - I	Prof. Jitendra Kumar	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG	Core	No		https://onlinecourses.nptel.ac.in/noc22_ma77/preview	https://onlinecourses.nptel.ac.in/noc21_ma58/preview	https://nptel.ac.in/courses/111105121
noc22-ma78	Mathematics	Introduction To Abstract And Linear Algebra	Prof. Sourav Mukhopadhyay	IITKGP	IITKGP	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_ma78/preview	https://onlinecourses.nptel.ac.in/noc21_ma44/preview	https://nptel.ac.in/courses/111105112
noc22-ma79	Mathematics	Introductory Course In Real Analysis	Prof. P D Srivastava	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_ma79/preview	https://onlinecourses.nptel.ac.in/noc17_ma03/preview	https://nptel.ac.in/courses/111105098
noc22-ma80	Mathematics	Mathematical Methods For Boundary Value Problems	Prof. Somnath Bhattacharyya	IITKGP	IITKGP	4 Weeks	Rerun	Jul 25, 2022	Aug 19, 2022	Sep 25, 2022	Aug 1, 2022	UG	Core	No		https://onlinecourses.nptel.ac.in/noc22_ma80/preview	https://onlinecourses.nptel.ac.in/noc19_ma27/preview	https://nptel.ac.in/courses/111105132
noc22-ma81	Mathematics	Introduction to Probability Theory and Statistics	Prof. S Dharmaraja	IITD	IITD	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_ma81/preview		https://nptel.ac.in/courses/111102160
noc22-ma82	Mathematics	Matrix Computation and its applications	Prof. Mani Mehra Prof. Vivek K. Aggarwal	IITD	IITD	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_ma82/preview	https://onlinecourses.nptel.ac.in/noc21_ma65/preview	https://nptel.ac.in/courses/111102152
noc22-ma83	Mathematics	Probability –II with Examples Using R	Prof Siva Athreya	ISI bangalore	IITM	12 weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG	Core	No		https://onlinecourses.nptel.ac.in/noc22_ma83/preview		https://nptel.ac.in/courses/111106163
noc22-me70	Mechanical Engineering	Solid Mechanics	Prof. Ajeet Kumar	IITD	IITD	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG	Core	No	Advanced Mechanics	https://onlinecourses.nptel.ac.in/noc22_me70/preview	https://onlinecourses.nptel.ac.in/noc21_me117/preview	https://nptel.ac.in/courses/112102284
noc22-me71	Mechanical Engineering	Fundamentals of manufacturing processes	Prof. D K Dwivedi	IITR	IITR	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_me71/preview	https://onlinecourses.nptel.ac.in/noc21_me81/preview	https://nptel.ac.in/courses/112107219
noc22-me72	Mechanical Engineering	Joining Technologies for metals	Prof. D K Dwivedi	IITR	IITR	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Core	Yes	Materials Joining	https://onlinecourses.nptel.ac.in/noc22_me72/preview	https://onlinecourses.nptel.ac.in/noc21_me82/preview	https://nptel.ac.in/courses/112107213
noc22-me73	Mechanical Engineering	Power Plant Engineering	Prof. Ravi Kumar	IITR	IITR	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG	Core	No	Energy Systems	https://onlinecourses.nptel.ac.in/noc22_me73/preview	https://onlinecourses.nptel.ac.in/noc21_me86/preview	https://nptel.ac.in/courses/112107291
noc22-me74	Mechanical Engineering	Rapid Manufacturing	Prof. J. Ramkumar Prof. Amandeep Singh	IITK	IITK	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Manufacturing Processes and Technology	https://onlinecourses.nptel.ac.in/noc22_me74/preview	https://onlinecourses.nptel.ac.in/noc21_me104/preview	https://nptel.ac.in/courses/112104265
noc22-me75	Mechanical Engineering	Engineering Metrology	Prof. J. Ramkumar Prof. Amandeep Singh	IITK/NIT Jalandhar	IITK	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_me75/preview	https://onlinecourses.nptel.ac.in/noc21_me105/preview	https://nptel.ac.in/courses/112104250
noc22-me76	Mechanical Engineering	Introduction to Mechanical Vibration	Prof. Anil Kumar	IITR	IITR	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG	Elective	Yes	Advanced Dynamics and Vibration Advanced Mechanics	https://onlinecourses.nptel.ac.in/noc22_me76/preview	https://onlinecourses.nptel.ac.in/noc21_me80/preview	https://nptel.ac.in/courses/112107212
noc22-me77	Mechanical Engineering	Foundations of Cognitive Robotics	Prof. Bishakh Bhattacharya	IITK	IITK	4 weeks	Rerun	Jul 25, 2022	Aug 19, 2022	Sep 25, 2022	Aug 1, 2022	PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_me77/preview	https://onlinecourses.nptel.ac.in/noc21_me100/preview	https://nptel.ac.in/courses/112104293
noc22-me78	Mechanical Engineering	Principles of Vibration Control	Prof. Bishakh Bhattacharya	IITK	IITK	4 weeks	Rerun	Jul 25, 2022	Aug 19, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Core/Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_me78/preview	https://onlinecourses.nptel.ac.in/noc21_me101/preview	https://nptel.ac.in/courses/112104211
noc22-me79	Mechanical Engineering	Polymer Assisted Abrasive Finishing Processes	Prof. M. Ravi Sankar	IIT Tirupati	IITM	4 weeks	Rerun	Jul 25, 2022	Aug 19, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_me79/preview	https://onlinecourses.nptel.ac.in/noc21_me103/preview	https://nptel.ac.in/courses/112103264
noc22-me80	Mechanical Engineering	Manufacturing Systems Technology I & II	Prof.Shantanu Bhattacharya	IITK	IITK	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG	Core	No	Manufacturing Processes and Technology	https://onlinecourses.nptel.ac.in/noc22_me80/preview	https://onlinecourses.nptel.ac.in/noc21_me72/preview	https://nptel.ac.in/courses/112104188

noc22-me81	Mechanical Engineering	BioMEMS and Microfluidics	Prof. Shantanu Bhattacharya	IITK	IITK	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_me81/preview	https://onlinecourses.nptel.ac.in/noc20_me93/preview	https://nptel.ac.in/courses/112104181
noc22-me83	Mechanical Engineering	Engineering Fracture Mechanics	Prof. K.Ramesh	IITM	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Core/Elective	Yes	Advanced Mechanics	https://onlinecourses.nptel.ac.in/noc22_me83/preview	https://onlinecourses.nptel.ac.in/noc21_me71/preview	https://nptel.ac.in/courses/112106065
noc22-me84	Mechanical Engineering	Engineering Mechanics	Prof. K.Ramesh	IITM	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG	Core	No	Advanced Dynamics and Vibration Advanced Mechanics Computational Engineering Computational Mechanics	https://onlinecourses.nptel.ac.in/noc22_me84/preview	https://onlinecourses.nptel.ac.in/noc21_me70/preview	https://nptel.ac.in/courses/112106286
noc22-me85	Mechanical Engineering	Foundation of Computational Fluid Dynamics	Prof. Vengadesan	IITM	IITM	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG	Elective	Yes	Computational Thermo Fluids	https://onlinecourses.nptel.ac.in/noc22_me85/preview	https://onlinecourses.nptel.ac.in/noc21_me77/preview	https://nptel.ac.in/courses/112106186
noc22-me86	Mechanical Engineering	Basics Of Finite Element Analysis - I	Prof. Nachiketa Tiwari	IITK	IITK	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Advanced Mechanics Computational Engineering Computational Mechanics	https://onlinecourses.nptel.ac.in/noc22_me86/preview	https://onlinecourses.nptel.ac.in/noc21_me109/preview	https://nptel.ac.in/courses/112104193
noc22-me87	Mechanical Engineering	Introduction To Composites	Prof. Nachiketa Tewari	IITK	IITK	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_me87/preview	https://onlinecourses.nptel.ac.in/noc21_me110/preview	https://nptel.ac.in/courses/112104229
noc22-me88	Mechanical Engineering	Thermodynamics	Prof. Anand T. N. C	IITM	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG	Core/Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_me88/preview	https://onlinecourses.nptel.ac.in/noc21_me111/preview	https://nptel.ac.in/courses/127106135
noc22-me89	Mechanical Engineering	Computational Fluid Dynamics using Finite Volume Method	Prof. Kameswararao Anupindi	IITM	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Computational Engineering Computational Thermo Fluids	https://onlinecourses.nptel.ac.in/noc22_me89/preview	https://onlinecourses.nptel.ac.in/noc21_me112/preview	https://nptel.ac.in/courses/112106294
noc22-me90	Mechanical Engineering	Basics of Materials Engineering	Prof. Ratna Kumar Annabattula	IITM	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG	Core	No	Advanced Mechanics Product Design	https://onlinecourses.nptel.ac.in/noc22_me90/preview	https://onlinecourses.nptel.ac.in/noc21_me113/preview	https://nptel.ac.in/courses/112106293
noc22-me92	Mechanical Engineering	Laser Based Manufacturing	Prof. S. N. Joshi	IITG	IITG	8 Weeks	New	#####	Oct 14, 2022	Oct 30, 2022	#####	UG/PG	Elective	Yes		nptel.ac.in/noc22_me92/preview		https://nptel.ac.in/courses/112103312
noc22-me93	Mechanical Engineering	Mechanics and Control of Robotic Manipulators	Prof. Santhakumar Mohan	IIT Palakkad	IITM	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Robotics Advanced Dynamics and Vibration Advanced Mechanics	https://onlinecourses.nptel.ac.in/noc22_me93/preview	https://onlinecourses.nptel.ac.in/noc21_me108/preview	https://nptel.ac.in/courses/112106304
noc22-me95	Mechanical Engineering	Vibrations of Plates and Shells	Prof. Venkata Sonti	IISc	IISc	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	PG	Elective	Yes		nptel.ac.in/noc22_me95/preview		https://nptel.ac.in/courses/112108312
noc22-me96	Mechanical Engineering	Dynamics and Control of Mechanical Systems	Prof. Ashitava Ghosal	IISc	IISc	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Core	Yes		nptel.ac.in/noc22_me96/preview		https://nptel.ac.in/courses/112108313
noc22-me97	Mechanical Engineering	Advanced Thermodynamics and Combustion	Prof. Niranjana Sahoo	IITG	IITG	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_me97/preview		https://nptel.ac.in/courses/112103313
noc22-me98	Mechanical Engineering	Elements of Solar Energy Conversion	Prof. Jishnu Bhattacharya	IITK	IITK	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Energy Systems	https://onlinecourses.nptel.ac.in/noc22_me98/preview	https://onlinecourses.nptel.ac.in/noc21_me34/preview	https://nptel.ac.in/courses/112104300
noc22-me99	Mechanical Engineering	Production Technology: Theory And Practice	Prof. Sounak Kumar Choudhury	IITK	IITK	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG	Core	No	Manufacturing Processes and Technology Product Design	https://onlinecourses.nptel.ac.in/noc22_me99/preview	https://onlinecourses.nptel.ac.in/noc21_me97/preview	https://nptel.ac.in/courses/112104304

noc22-me100	Mechanical Engineering	Manufacturing Processes - Casting And Joining	Prof. Sounak Kumar Choudhury	IITK	IITK	4 Weeks	Rerun	Jul 25, 2022	Aug 19, 2022	Sep 25, 2022	Aug 1, 2022	UG	Core	No	Manufacturing Processes and Technology, Product Design	https://onlinecourses.nptel.ac.in/noc22_me100/preview	https://onlinecourses.nptel.ac.in/noc21_me40/preview	https://nptel.ac.in/courses/112104301
noc22-me101	Mechanical Engineering	Computational Fluid Dynamics and Heat Transfer	Prof. Gautam Biswas	IITK	IITK	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Core/Elective	Yes	Computational Thermo Fluids	https://onlinecourses.nptel.ac.in/noc22_me101/preview	https://onlinecourses.nptel.ac.in/noc21_me64/preview	https://nptel.ac.in/courses/112104302
noc22-me102	Mechanical Engineering	Advanced Fluid Mechanics	Prof. Suman Chakraborty	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Core	Yes	Computational Thermo Fluids	https://onlinecourses.nptel.ac.in/noc22_me102/preview	https://onlinecourses.nptel.ac.in/noc20_me54/preview	https://nptel.ac.in/courses/112105218
noc22-me103	Mechanical Engineering	Concepts Of Thermodynamics	Prof. Suman Chakraborty Prof. Aditya Bandopadhyay	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG	Core	No		https://onlinecourses.nptel.ac.in/noc22_me103/preview	https://onlinecourses.nptel.ac.in/noc21_me73/preview	https://nptel.ac.in/courses/112105266
noc22-me104	Mechanical Engineering	Energy Conservation And Waste Heat Recovery	Prof. P. K. Das Prof. A Bhattacharya	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Energy and Environment Energy Systems	https://onlinecourses.nptel.ac.in/noc22_me104/preview	https://onlinecourses.nptel.ac.in/noc21_me23/preview	https://nptel.ac.in/courses/112105221
noc22-me105	Mechanical Engineering	Engineering Drawing And Computer Graphics	Prof. Rajaram Lakkaraju	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG	Core	No	Manufacturing Processes and Technology Product Design	https://onlinecourses.nptel.ac.in/noc22_me105/preview	https://onlinecourses.nptel.ac.in/noc21_me125/preview	https://nptel.ac.in/courses/112105294
noc22-me106	Mechanical Engineering	Heat Exchangers: Fundamentals And Design Analysis	Prof. Prasanna Kumar Das Prof. Indranil Chakraborty	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Core/Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_me106/preview	https://onlinecourses.nptel.ac.in/noc21_me74/preview	https://nptel.ac.in/courses/112105248
noc22-me107	Mechanical Engineering	Laws Of Thermodynamics	Prof. S. K Som Prof. Suman Chakraborty	IITKGP	IITKGP	4 Weeks	Rerun	Jul 25, 2022	Aug 19, 2022	Sep 25, 2022	Aug 1, 2022	UG	Core	No		https://onlinecourses.nptel.ac.in/noc22_me107/preview	https://onlinecourses.nptel.ac.in/noc21_me07/preview	https://nptel.ac.in/courses/112105220
noc22-me108	Mechanical Engineering	Mechanism And Robot Kinematics	Prof. Anirvan Dasgupta	IITKGP	IITKGP	8 Weeks	Rerun	#####	Oct 14, 2022	Oct 30, 2022	#####	UG/PG	Elective	Yes	Robotics	https://onlinecourses.nptel.ac.in/noc22_me108/preview	https://onlinecourses.nptel.ac.in/noc20_me53/preview	https://nptel.ac.in/courses/112105236
noc22-me109	Mechanical Engineering	Robotics	Prof. D. K. Pratihari	IITKGP	IITKGP	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Core	Yes	Robotics	https://onlinecourses.nptel.ac.in/noc22_me109/preview	https://onlinecourses.nptel.ac.in/noc21_me76/preview	https://nptel.ac.in/courses/112105249
noc22-me110	Mechanical Engineering	Fundamentals of Convective Heat Transfer	Prof. Amaresh Dalal	IITG	IITG	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Core	Yes	Computational Engineering Energy Systems Computational Thermo Fluids	https://onlinecourses.nptel.ac.in/noc22_me110/preview	https://onlinecourses.nptel.ac.in/noc21_me116/preview	https://nptel.ac.in/courses/112103297
noc22-me111	Mechanical Engineering	Fundamentals of Conduction and Radiation	Prof. Amaresh Dalal Prof. Dipankar N. Basu	IITG	IITG	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG	Core	No	Energy Systems	https://onlinecourses.nptel.ac.in/noc22_me111/preview	https://onlinecourses.nptel.ac.in/noc21_me91/preview	https://nptel.ac.in/courses/112103276
noc22-me112	Mechanical Engineering	Finite Element Method: Variational Methods to Computer Programming	Prof. Atanu Banerjee Prof. Arup Nandy	IITG	IITG	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Core/Elective	Yes	Advanced Mechanics Computational Mechanics Computational Engineering	https://onlinecourses.nptel.ac.in/noc22_me112/preview	https://onlinecourses.nptel.ac.in/noc21_me122/preview	https://nptel.ac.in/courses/112103295
noc22-me113	Mechanical Engineering	Applied Thermodynamics For Engineers	Prof. Dipankar N. Basu	IITG	IITG	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG	Core	No	Energy Systems Propulsion	https://onlinecourses.nptel.ac.in/noc22_me113/preview	https://onlinecourses.nptel.ac.in/noc21_me92/preview	https://nptel.ac.in/courses/112103275
noc22-me114	Mechanical Engineering	Principle of Hydraulic Machines and System Design	Prof. Pranab K. Mondal	IITG	IITG	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_me114/preview	https://onlinecourses.nptel.ac.in/noc21_me79/preview	https://nptel.ac.in/courses/112103249
noc22-me115	Mechanical Engineering	Dynamic Behaviour Of Materials	Prof. Prasenjit Khanikar	IITG	IITG	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	PG	Elective	Yes	Advanced Mechanics	https://onlinecourses.nptel.ac.in/noc22_me115/preview	https://onlinecourses.nptel.ac.in/noc21_me93/preview	https://nptel.ac.in/courses/112103278

noc22-me116	Mechanical Engineering	Computational Continuum Mechanics	Prof. Sachin Singh Gautam	IITG	IITG	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	PG	Elective	Yes	Advanced Dynamics and Vibration Computational Thermo Fluids Advanced Mechanics Computational Mechanics	https://onlinecourses.nptel.ac.in/noc22_me116/preview	https://onlinecourses.nptel.ac.in/noc21_me121/preview	https://nptel.ac.in/courses/112103296
noc22-me117	Mechanical Engineering	Mathematical Modeling of Manufacturing Processes	Prof. Swarup Bag	IITG	IITG	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Manufacturing Processes and Technology	https://onlinecourses.nptel.ac.in/noc22_me117/preview	https://onlinecourses.nptel.ac.in/noc21_me124/preview	https://nptel.ac.in/courses/112103273
noc22-me118	Mechanical Engineering	Steam Power Engineering	Prof. Vinayak N. Kulkarni	IITG	IITG	8 weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG	Core	No	Energy Systems	https://onlinecourses.nptel.ac.in/noc22_me118/preview	https://onlinecourses.nptel.ac.in/noc21_me194/preview	https://nptel.ac.in/courses/112103277
noc22-me119	Mechanical Engineering	Advanced Machining Processes	Prof. Manas Das	IITG	IITG	8 weeks	Rerun	#####	Oct 14, 2022	Oct 29, 2022	#####	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_me119/preview	https://onlinecourses.nptel.ac.in/noc21_me189/preview	https://nptel.ac.in/courses/112103202
noc22-me120	Mechanical Engineering	Applied Thermodynamics	Prof. Niranjan Sahoo Prof. Pranab K. Mondal	IITG	IITG	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG	Core	No	Energy Systems Propulsion	https://onlinecourses.nptel.ac.in/noc22_me120/preview	https://onlinecourses.nptel.ac.in/noc21_me119/preview	https://nptel.ac.in/courses/112103307
noc22-me121	Mechanical Engineering	Welding Application Technology	Prof. Pankaj Biswas	IITG	IITG	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Core	Yes	Manufacturing Processes and Technology Product Design	https://onlinecourses.nptel.ac.in/noc22_me121/preview	https://onlinecourses.nptel.ac.in/noc21_me199/preview	https://nptel.ac.in/courses/112103305
noc22-me122	Mechanical Engineering	Fundamentals of Additive Manufacturing Technologies	Prof. Sajan Kapil	IITG	IITG	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Manufacturing Processes and Technology Product Design	https://onlinecourses.nptel.ac.in/noc22_me122/preview	https://onlinecourses.nptel.ac.in/noc21_me115/preview	https://nptel.ac.in/courses/112103306
noc22-me123	Mechanical Engineering	Automation in Manufacturing	Prof. Shrikrishna N. Joshi	IITG	IITG	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Manufacturing Processes and Technology	https://onlinecourses.nptel.ac.in/noc22_me123/preview	https://onlinecourses.nptel.ac.in/noc21_me120/preview	https://nptel.ac.in/courses/112103293
noc22-me124	Mechanical Engineering	Advances in welding and joining technologies	Prof. Swarup Bag	IITG	IITG	8 weeks	Rerun	#####	Oct 14, 2022	Oct 29, 2022	#####	UG/PG	Elective	Yes	Materials Joining	https://onlinecourses.nptel.ac.in/noc22_me124/preview	https://onlinecourses.nptel.ac.in/noc21_me178/preview	https://nptel.ac.in/courses/112103244
noc22-me125	Mechanical Engineering	Aircraft Propulsion	Prof. Vinayak N. Kulkarni	IITG	IITG	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Core	Yes	Energy Systems Propulsion	https://onlinecourses.nptel.ac.in/noc22_me125/preview	https://onlinecourses.nptel.ac.in/noc21_me195/preview	https://nptel.ac.in/courses/112103281
noc22-me126	Mechanical Engineering	Biomechanics of Joints and Orthopaedic Implants	Prof. Sanjay Gupta	IITKGP	IITKGP	8 Weeks	Rerun	#####	Oct 14, 2022	Oct 30, 2022	#####	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_me126/preview	https://onlinecourses.nptel.ac.in/noc21_me130/preview	https://nptel.ac.in/courses/112105305
noc22-me127	Mechanical Engineering	Interfacial Fluid Mechanics	Prof. Harish N Dixit	IIT Hyderabad	IITM	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_me127/preview		https://nptel.ac.in/courses/112106312
noc22-me128	Mechanical Engineering	Design of Mechatronic Systems	Prof. Prasanna Gandhi	IITB	IITB	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Manufacturing Processes and Technology Product Design Robotics	https://onlinecourses.nptel.ac.in/noc22_me128/preview	https://onlinecourses.nptel.ac.in/noc21_me129/preview	https://nptel.ac.in/courses/112101304
noc22-me129	Mechanical Engineering	Nonlinear Adaptive Control	Prof. Srikant Sukumar	IITB	IITB	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_me129/preview		https://nptel.ac.in/courses/112101312
noc22-me130	Mechanical Engineering	Metal Additive Manufacturing	Prof. Janakranjan Ramkumar Prof. Amandeep Singh Oberoi	IITK	IITK	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_me130/preview		https://nptel.ac.in/courses/112104312
noc22-me131	Mechanical Engineering	Selection Of Nanomaterials For Energy Harvesting And Storage Applications	Prof. Kaushik Pal	IITR	IITR	4 weeks	Rerun	Jul 25, 2022	Aug 19, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Core/Elective	Yes	Energy Systems	https://onlinecourses.nptel.ac.in/noc22_me131/preview	https://onlinecourses.nptel.ac.in/noc20_me183/preview	https://nptel.ac.in/courses/112107283

noc22-me132	Mechanical Engineering	Structural Analysis of Nanomaterials	Prof. Kaushik Pal	IITR	IITR	4 weeks	Rerun	Jul 25, 2022	Aug 19, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Core/Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_me132/preview	https://onlinecourses.nptel.ac.in/noc21_me21/preview	https://nptel.ac.in/courses/113107081
noc22-me133	Mechanical Engineering	Work System Design	Prof. Inderdeep Singh	IITR	IITR	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_me133/preview	https://onlinecourses.nptel.ac.in/noc21_me84/preview	https://nptel.ac.in/courses/112107249
noc22-me134	Mechanical Engineering	Product Design and Development	Prof. Inderdeep Singh	IITR	IITR	4 weeks	Rerun	Jul 25, 2022	Aug 19, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Product Design	https://onlinecourses.nptel.ac.in/noc22_me134/preview	https://onlinecourses.nptel.ac.in/noc21_me83/preview	https://nptel.ac.in/courses/112107217
noc22-me135	Mechanical Engineering	Refrigeration and air-conditioning	Prof. Ravi Kumar	IITR	IITR	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG	Core	No		https://onlinecourses.nptel.ac.in/noc22_me135/preview	https://onlinecourses.nptel.ac.in/noc21_me85/preview	https://nptel.ac.in/courses/112107208
noc22-me136	Mechanical Engineering	Principles of Metal Forming Technology	Prof. Pradeep kumar Jha	IITR	IITR	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_me136/preview	https://onlinecourses.nptel.ac.in/noc21_me87/preview	https://nptel.ac.in/courses/112107250
noc22-me137	Mechanical Engineering	Theory of Production Processes	Prof. Pradeep kumar Jha	IITR	IITR	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG	Core	No	Manufacturing Processes and Technology	https://onlinecourses.nptel.ac.in/noc22_me137/preview	https://onlinecourses.nptel.ac.in/noc21_me88/preview	https://nptel.ac.in/courses/112107239
noc22-me138	Mechanical Engineering	Engineering Graphics and Design	Prof. Naresh Varma Datla Prof. S.R Kale	IITD	IITD	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG	Core	No		https://onlinecourses.nptel.ac.in/noc22_me138/preview	https://onlinecourses.nptel.ac.in/noc22_me68/preview	https://nptel.ac.in/courses/112102304
noc22-me139	Mechanical Engineering	Conduction and Convection: Fundamentals and Applications	Prof. Gautam Biswas / Prof. Sameer Khandekar	IITK	IITK	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_me139/preview		https://nptel.ac.in/courses/112104313
noc22-mm25	Metallurgical and Materials Engineering	Mechanical Behaviour of Materials (Part – II)	Prof. Shashank Shekhar Prof. Sudhanshu Shekhar Singh	IITK	IITK	8 Weeks	New	#####	Oct 14, 2022	Oct 30, 2022	#####	UG	Core	No		https://onlinecourses.nptel.ac.in/noc22_m25/preview		https://nptel.ac.in/courses/113104105
noc22-mm26	Metallurgical and Materials Engineering	Thermo-Mechanical And Thermo-Chemical Processes	Prof. Vivek Pancholi Prof. S. R. Meka	IITR	IITR	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Materials Joining Minor in Metallurgy	https://onlinecourses.nptel.ac.in/noc22_m26/preview	https://onlinecourses.nptel.ac.in/noc21_m30/preview	https://nptel.ac.in/courses/113107091
noc22-mm27	Metallurgical and Materials Engineering	Nature And Properties Of Materials-An Elementary Course	Prof. Ashish Garg	IITK	IITK	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_m27/preview	https://onlinecourses.nptel.ac.in/noc21_m28/preview	https://nptel.ac.in/courses/113104076
noc22-mm28	Metallurgical and Materials Engineering	Stereology for Quantitative Metallography	Prof. Sandeep Sangal Prof. Sankaran	IITM	IITM	4 Weeks	Rerun	Jul 25, 2022	Aug 19, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Materials Characterization	https://onlinecourses.nptel.ac.in/noc22_m28/preview	https://onlinecourses.nptel.ac.in/noc21_m25/preview	https://nptel.ac.in/courses/113106081
noc22-mm29	Metallurgical and Materials Engineering	Fundamentals of electronic device fabrication	Prof. Parasuraman Swaminathan	IITM	IITM	4 weeks	Rerun	Jul 25, 2022	Aug 19, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Electronic Materials	https://onlinecourses.nptel.ac.in/noc22_m29/preview	https://onlinecourses.nptel.ac.in/noc21_m26/preview	https://nptel.ac.in/courses/113106062
noc22-mm30	Metallurgical and Materials Engineering	Welding of Advanced High Strength Steels for Automotive Applications	Prof. Murugaiyan Amirthalingam	IITM	IITM	4 weeks	Rerun	#####	Sep 16, 2022	Oct 30, 2022	#####	PG	Elective	Yes	Materials Joining	https://onlinecourses.nptel.ac.in/noc22_m30/preview	https://onlinecourses.nptel.ac.in/noc21_m19/preview	https://nptel.ac.in/courses/113106082
noc22-mm31	Metallurgical and Materials Engineering	Powder Metallurgy	Prof. Ranjit Bauri	IITM	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Minor in Metallurgy	https://onlinecourses.nptel.ac.in/noc22_m31/preview	https://onlinecourses.nptel.ac.in/noc21_m33/preview	https://nptel.ac.in/courses/113106098
noc22-mm32	Metallurgical and Materials Engineering	Physics of materials	Prof. Prathap Haridoss	IITM	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Core/Elective	Yes	Electronic Materials	https://onlinecourses.nptel.ac.in/noc22_m32/preview	https://onlinecourses.nptel.ac.in/noc21_m20/preview	https://nptel.ac.in/courses/113106039
noc22-mm33	Metallurgical and Materials Engineering	Nanotechnology, Science and Applications	Prof. Prathap Haridoss	IITM	IITM	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_m33/preview	https://onlinecourses.nptel.ac.in/noc19_m21/preview	https://nptel.ac.in/courses/113106093
noc22-mm34	Metallurgical and Materials Engineering	Mechanical Behavior of Materials	Prof. S. Sankaran	IITM	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Core	Yes	Minor in Metallurgy	https://onlinecourses.nptel.ac.in/noc22_m34/preview	https://onlinecourses.nptel.ac.in/noc21_m27/preview	https://nptel.ac.in/courses/113106101
noc22-mm36	Metallurgical and Materials Engineering	Environmental Degradation and Surface Engineering	Prof. Jyotsna Dutta Majumdar Prof.Indranil Manna	IITKGP	IITKGP	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_m36/preview		https://nptel.ac.in/courses/113105105
noc22-mm37	Metallurgical and Materials Engineering	Techniques of Materials Characterization	Prof. Shibayan Roy	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Core	Yes	Materials Characterization	https://onlinecourses.nptel.ac.in/noc22_m37/preview	https://onlinecourses.nptel.ac.in/noc21_m18/preview	https://nptel.ac.in/courses/113105101
noc22-mm38	Metallurgical and Materials Engineering	Ironmaking and Steelmaking	Prof. Gour Gopal Roy	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG	Core	No	Minor in Metallurgy	https://onlinecourses.nptel.ac.in/noc22_m38/preview	https://onlinecourses.nptel.ac.in/noc20_m23/preview	https://nptel.ac.in/courses/113105098
noc22-mm39	Metallurgical and Materials Engineering	X-ray Crystallography & Diffraction	Prof. Ranjit Kumar Ray Prof. Sankaran. S	IEST Shibpur	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG	Core	No	Materials Characterization	https://onlinecourses.nptel.ac.in/noc22_m39/preview	https://onlinecourses.nptel.ac.in/noc21_m24/preview	https://nptel.ac.in/courses/112106227
noc22-mm40	Metallurgical and Materials Engineering	Advanced Materials And Processes	Prof. Jayanta Das	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_m40/preview	https://onlinecourses.nptel.ac.in/noc21_m22/preview	https://nptel.ac.in/courses/113105081
noc22-mm41	Metallurgical and Materials Engineering	Aluminium based Alloys and Metal Matrix Composites	Prof. Ranjit Bauri	IITM	IITM	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_m41/preview		https://nptel.ac.in/courses/113106105
noc22-mm42	Metallurgical and Materials Engineering	Fracture, Fatigue and Failure of Materials	Prof. Indrani Sen	IITKGP	IITKGP	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_m42/preview		https://nptel.ac.in/courses/113105106

noc22-mm43	Metallurgical and Materials Engineering	Welding science and technology(In Tamil) இணைப்பியலின் தொழில்நுட்பமும் அதன் பண்பும்	Prof. Murugaiyan Amirthalingam	IITM	IITM	4 Weeks	New	#####	Sep 16, 2022	Oct 30, 2022	#####	UG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_m43/preview		https://nptel.ac.in/courses/113106106
noc22-mm44	Metallurgical and Materials Engineering	Electronic Properties of the Materials: Computational Approach	Prof. Somnath Bhowmick	IITK	IITK	8 Weeks	New	#####	Oct 14, 2022	Oct 30, 2022	#####	UG/PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_m44/preview		https://nptel.ac.in/courses/113104106
noc22-mm45	Metallurgical and Materials Engineering	Principles Of Polymer Synthesis	Prof. Rajat K Das	IITKGP	IITKGP	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_m45/preview	https://onlinecourses.nptel.ac.in/noc18_m08/preview	https://nptel.ac.in/courses/113105077
noc22-mm46	Metallurgical and Materials Engineering	Surface Mining Technology	Prof. Kaushik Dey	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_m46/preview	https://onlinecourses.nptel.ac.in/noc21_m40/preview	https://nptel.ac.in/courses/123105007
noc22-mm47	Metallurgical and Materials Engineering	Underground Mining of Metalliferous deposits	Prof. Bibhuti Bhusan Mandal Prof. Kaushik Dey	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_m47/preview	https://onlinecourses.nptel.ac.in/noc21_m39/preview	https://nptel.ac.in/courses/123105006
noc22-mm48	Metallurgical and Materials Engineering	Mine Closure and Sustainability Planning	Prof. Khanindra Pathak	IITKGP	IITKGP	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_m48/preview		https://nptel.ac.in/courses/113105107
noc22-mm49	Metallurgical and Materials Engineering	Fundamentals and Applications of Dielectric Ceramics	Prof. Ashish Garg	IITK	IITK	8 Weeks	Rerun	#####	Oct 14, 2022	Oct 29, 2022	#####	UG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_m49/preview	https://onlinecourses.nptel.ac.in/noc19_m16/preview	https://nptel.ac.in/courses/113104090
noc22-ge19	Multidisciplinary	Teaching And Learning in General Programs: TALG	Prof. N J Rao	IISc	IISc	4 weeks	Rerun	Jul 25, 2022	Aug 19, 2022	Sep 25, 2022	Aug 1, 2022	PG	Elective	Yes	Faculty Domain - Advanced Faculty Domain - Fundamental	https://onlinecourses.nptel.ac.in/noc22_ge19/preview	https://onlinecourses.nptel.ac.in/noc21_ge19/preview	https://nptel.ac.in/courses/127108015
noc22-ge20	Multidisciplinary	Ecology and Environment	Prof. Abhijit Deshpande Prof. R. Ravi Krishna	IITM	IITM	8 Weeks	Rerun	#####	Oct 14, 2022	Oct 29, 2022	#####	UG	Core	No	Energy and Environment	https://onlinecourses.nptel.ac.in/noc22_ge20/preview	https://onlinecourses.nptel.ac.in/noc21_ge16/preview	https://nptel.ac.in/courses/127106004
noc22-ge21	Multidisciplinary	Neuroscience of Human Movements	Prof. Varadhan	IITM	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ge21/preview	https://onlinecourses.nptel.ac.in/noc21_ge17/preview	https://nptel.ac.in/courses/127106001
noc22-ge22	Multidisciplinary	Numerical Methods for Engineers	Prof. Niket Kaisare	IITM	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG	Core	No	Advanced Mechanics Computational Mechanics Computational Engineering Computational Chemical Engineering	https://onlinecourses.nptel.ac.in/noc22_ge22/preview	https://onlinecourses.nptel.ac.in/noc21_ge26/preview	https://nptel.ac.in/courses/127106019
noc22-ge23	Multidisciplinary	Introduction to Research	Prof. Edamana Prasad Prof. Prathap Haridoss	IITM	IITM	8 Weeks	Rerun	#####	Oct 14, 2022	Oct 29, 2022	#####	PG	Elective	Yes	Faculty Domain - Fundamental	https://onlinecourses.nptel.ac.in/noc22_ge23/preview	https://onlinecourses.nptel.ac.in/noc22_ge15/preview	https://nptel.ac.in/courses/121106007
noc22-ge24	Multidisciplinary	Introduction to Biomimicry	Prof. Sniva Subramaniam Prof. Sivakumar Srinivasan Prof. Satya Seshadri Prof. Munish Ramteke	IITM	IITM	8 Weeks	New	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ge24/preview		https://nptel.ac.in/courses/127106231
noc22-ge25	Multidisciplinary	Current regulatory requirements for conducting clinical trials in India for investigational new drugs/new drug (Version 3.0)	Prof. Sucheta Banerjee Kurundkar Prof. Nandini K Kumar Prof. Y. K. Gupta Prof. D. K. Sable Prof. Rubina Bose Prof. Vichnu Rao	CDSA,THSTI,DBT	IITM	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ge25/preview	https://onlinecourses.nptel.ac.in/noc21_ge25/preview	https://nptel.ac.in/courses/127106137
noc22-ge26	Multidisciplinary	Learning Analytics Tools	Prof. Ramkumar Rajendran	IITB	IITB	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Data Science Faculty Domain - Advanced Faculty Domain - Fundamental	https://onlinecourses.nptel.ac.in/noc22_ge26/preview	https://onlinecourses.nptel.ac.in/noc21_ge21/preview	https://nptel.ac.in/courses/106101224

noc22-ge27	Multidisciplinary	Accreditation And Outcome Based Learning	Prof. AK Ray (Retd.) Prof. SK Das Mandal	IITKGP	IITKGP	8 Weeks	Rerun	#####	Oct 14, 2022	Oct 30, 2022	#####	UG	Elective	Yes	Faculty Domain - Advanced, Faculty Domain - Fundamental	https://onlinecourses.nptel.ac.in/noc22_ge27/preview	https://onlinecourses.nptel.ac.in/noc21_ge22/preview	https://nptel.ac.in/courses/127105017
noc22-ge28	Multidisciplinary	Solar Energy Engineering and Technology	Prof. Pankaj Kalita	IITG	IITG	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ge28/preview	https://onlinecourses.nptel.ac.in/noc21_ge23/preview	https://nptel.ac.in/courses/115103123
noc22-ge29	Multidisciplinary	Fundamentals Of Artificial Intelligence	Prof. Shyamanta M. Hazarika	IITG	IITG	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	PG	Elective	Yes	Robotics	https://onlinecourses.nptel.ac.in/noc22_ge29/preview	https://onlinecourses.nptel.ac.in/noc21_ge20/preview	https://nptel.ac.in/courses/112103280
noc22-ge30	Multidisciplinary	Vacuum Technology & Process Application	Prof. V. Vasudeva Rao	IITKGP	IITKGP	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ge30/preview		https://nptel.ac.in/courses/127105231
noc22-ge31	Multidisciplinary	Manage TB	Prof. Monan Natrajan Prof. V V Banu Datta	NIRT	IITM	8 weeks	Rerun	#####	Oct 14, 2022	Oct 29, 2022	#####	PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ge31/preview	https://onlinecourses.nptel.ac.in/noc20_ge10/preview	https://nptel.ac.in/courses/127106003
noc22-oe03	Ocean Engineering	Dynamics of Ocean Structures	Prof. Srinivasan Chandrasekaran	IITM	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_oe03/preview	https://onlinecourses.nptel.ac.in/noc21_oe02/preview	https://nptel.ac.in/courses/114106038
noc22-oe04	Ocean Engineering	Computer Methods Of Structural Analysis Of Offshore Structures	Prof. Srinivasan Chandrasekaran	IITM	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_oe04/preview	https://onlinecourses.nptel.ac.in/noc21_oe03/preview	https://nptel.ac.in/courses/114106045
noc22-oe05	Ocean Engineering	Marine Propulsion	Prof. Anirban Bhattacharyya	IITKGP	IITKGP	8 Weeks	New	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_oe05/preview		https://nptel.ac.in/courses/114105047
noc22-oe06	Ocean Engineering	Water Economics And Governance	Prof. Manoj Kumar Tiwari	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Core/Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_oe06/preview	https://onlinecourses.nptel.ac.in/noc21_ce48/preview	https://nptel.ac.in/courses/114105044
noc22-oe07	Ocean Engineering	Numerical Ship and Offshore Hydrodynamics	Ranadev dutta	IITKGP	IITKGP	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_oe07/preview		https://nptel.ac.in/courses/114105048
noc22-ph25	Physics	Solar Photovoltaics Fundamentals, Technology And Applications	Prof. Soumitra SataPathi	IITR	IITR	8 Weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Core/Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ph25/preview	https://onlinecourses.nptel.ac.in/noc21_ph25/preview	https://nptel.ac.in/courses/115107116
noc22-ph26	Physics	Computational Physics	Prof. Apratim Chatterji Prof. Prasenjit Ghosh	IISER Pune	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ph26/preview	https://onlinecourses.nptel.ac.in/noc21_ph20/preview	https://nptel.ac.in/courses/115106118
noc22-ph27	Physics	Waves and Oscillations	Prof.M. S. Santhanam	IISER Pune	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG	Core	No		https://onlinecourses.nptel.ac.in/noc22_ph27/preview	https://onlinecourses.nptel.ac.in/noc21_ph24/preview	https://nptel.ac.in/courses/115106119
noc22-ph28	Physics	Introduction to Classical Mechanics	Prof. Anurag Tripathi	IITH	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_ph28/preview	https://onlinecourses.nptel.ac.in/noc21_ph29/preview	https://nptel.ac.in/courses/115106123
noc22-ph29	Physics	Dynamics of Classical and Quantum Fields	Prof. Girish S. Setlur	IITG	IITG	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_ph29/preview		https://nptel.ac.in/courses/115103131
noc22-ph30	Physics	Introduction to Quantum Field Theory(Theory of Concepts in)	Prof. Anurag Tripathi	IIT Hyderabad	IITM	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ph30/preview	https://onlinecourses.nptel.ac.in/noc21_ph28/preview	https://nptel.ac.in/courses/115106128
noc22-ph31	Physics	Concepts in Magnetism and Superconductivity	Prof. A Taraphder	IITKGP	IITKGP	8 Weeks	New	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ph31/preview		https://nptel.ac.in/courses/115105131
noc22-ph32	Physics	Applied Optics	Prof. Akhilesh Kumar Mishra	IITR	IITR	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG	Core	No		https://onlinecourses.nptel.ac.in/noc22_ph32/preview		https://nptel.ac.in/courses/115107131
noc22-ph33	Physics	Neutron Scattering for Condensed Matter Studies	Prof. Saibal Basu	Homi Bhabha National Institute (HBNI)	IITB	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ph33/preview		https://nptel.ac.in/courses/115101131
noc22-ph34	Physics	Accelerator Physics	Prof Pitamber Singh Prof Rajni Pande Prof Amalendu Chandra	Homi Bhabha National Institute (HBNI)	IITB	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ph34/preview		https://nptel.ac.in/courses/115101132
noc22-ph35	Physics	Experimental Physics - I	Prof. Amal Kumar Das	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG	Core	No		https://onlinecourses.nptel.ac.in/noc22_ph35/preview	https://onlinecourses.nptel.ac.in/noc21_ph19/preview	https://nptel.ac.in/courses/115105110
noc22-ph36	Physics	Mathematical Methods In Physics -I	Prof. Samudra Roy	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG	Core	No		https://onlinecourses.nptel.ac.in/noc22_ph36/preview	https://onlinecourses.nptel.ac.in/noc17_ph06/preview	https://nptel.ac.in/courses/115105097
noc22-ph37	Physics	Solid State Physics	Prof. Amal Kumar Das	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG	Core	No		https://onlinecourses.nptel.ac.in/noc22_ph37/preview	https://onlinecourses.nptel.ac.in/noc20_ph15/preview	https://nptel.ac.in/courses/115105099
noc22-ph38	Physics	Upstream LNG Technology	Prof. Pavitra Sandilya	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ph38/preview	https://onlinecourses.nptel.ac.in/noc21_ph31/preview	https://nptel.ac.in/courses/115105106
noc22-ph39	Physics	Theoretical Mechanics	Prof. Charudatt Kadolkar	IITG	IITG	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_ph39/preview	https://onlinecourses.nptel.ac.in/noc21_ph27/preview	https://nptel.ac.in/courses/115103115
noc22-ph40	Physics	Advanced Quantum Mechanics with Applications	Prof. Saurabh Basu	IITG	IITG	8 weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_ph40/preview	https://onlinecourses.nptel.ac.in/noc21_ph23/preview	https://nptel.ac.in/courses/115103104
noc22-ph41	Physics	Nuclear and Particle Physics	Prof. Poulouse Poulouse	IITG	IITG	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ph41/preview	https://onlinecourses.nptel.ac.in/noc21_ph26/preview	https://nptel.ac.in/courses/115103101

noc22-ph42	Physics	Numerical Methods And Simulation Techniques For Scientists And Engineers	Prof. Saurabh Basu	IITG	IITG	8 weeks	Rerun	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	UG/PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_ph42/preview	https://onlinecourses.nptel.ac.in/noc21_ph22/preview	https://nptel.ac.in/courses/115103114
noc22-ph43	Physics	Introduction to Astrophysical Fluids	Prof. Supratik Banerjee	IITK	IITK	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_ph43/preview	https://onlinecourses.nptel.ac.in/noc21_ph07/preview	https://nptel.ac.in/courses/115104124
noc22-ph44	Physics	Physics of Renewable Energy Systems	Prof. Amreesh Chandra	IITKGP	IITKGP	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Elective	Yes	Energy and Environment	https://onlinecourses.nptel.ac.in/noc22_ph44/preview	https://onlinecourses.nptel.ac.in/noc21_ph33/preview	https://nptel.ac.in/courses/115105127
noc22-ph45	Physics	Bonds and Bands in Solids	Prof. S. Ramasesha	IISc	IISc	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_ph45/preview	https://onlinecourses.nptel.ac.in/noc21_ph34/preview	https://nptel.ac.in/courses/115108127
noc22-ph46	Physics	Foundations of Classical Electrodynamics	Prof. Samudra Roy	IITKGP	IITKGP	12 Weeks	New	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG	Core	No		https://onlinecourses.nptel.ac.in/noc22_ph46/preview		https://nptel.ac.in/courses/115105132
noc22-te07	Textile Engineering	Principles of Combing,Roving preparation & Ring spinning	Prof. R Chattopadhyay	IITD	IITD	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG	Core	No		https://onlinecourses.nptel.ac.in/noc22_te07/preview	https://onlinecourses.nptel.ac.in/noc21_te10/preview	https://nptel.ac.in/courses/116102055
noc22-te08	Textile Engineering	Yarn manufacture I : Principle of Carding and Drawing	Prof. R Chattopadhyay	IITD	IITD	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG	Core	No		https://onlinecourses.nptel.ac.in/noc22_te08/preview	https://onlinecourses.nptel.ac.in/noc21_te11/preview	https://nptel.ac.in/courses/116102048
noc22-te09	Textile Engineering	Technical Textiles	Prof. Apurba Das	IITD	IITD	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_te09/preview	https://onlinecourses.nptel.ac.in/noc21_te09/preview	https://nptel.ac.in/courses/116102057
noc22-te10	Textile Engineering	Science of Clothing Comfort	Prof. Apurba Das	IITD	IITD	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_te10/preview	https://onlinecourses.nptel.ac.in/noc21_te06/preview	https://nptel.ac.in/courses/116102047
noc22-te11	Textile Engineering	Textile Finishing	Prof. Kushal Sen	IITD	IITD	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	UG/PG	Core/Elective	Yes		https://onlinecourses.nptel.ac.in/noc22_te11/preview	https://onlinecourses.nptel.ac.in/noc21_te07/preview	https://nptel.ac.in/courses/116102054
noc22-te12	Textile Engineering	Science and Technology of Weft and Warp Knitting	Prof. Bipin Kumar	IITD	IITD	12 Weeks	Rerun	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	UG/PG	Core	Yes		https://onlinecourses.nptel.ac.in/noc22_te12/preview	https://onlinecourses.nptel.ac.in/noc21_te08/preview	https://nptel.ac.in/courses/116102056