

Name of the Course	Name of the Course Coordinator	Number of Credit for the Course	Start date	End date	Discipline	Tentative Date of Examination of the Course	SWAYAM Course home page (URL)	Name of the Degree Program
Aircraft Design	Prof. A.K.Ghosh	3	January 23, 2023	April 14, 2023	Aerospace Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ae01	All Degree Programs
Introduction to Experiments in Flight	Prof. A.K.Ghosh	1	January 23, 2023	February 17, 2023	Aerospace Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ae02	All Degree Programs
Rocket Propulsion	Prof. K. Ramamurthi Prof. V. Nagabhushana Rao	3	January 23, 2023	April 14, 2023	Aerospace Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ae03	All Degree Programs
Computational Science in Engineering	Prof. Ashok De	2	January 23, 2023	March 17, 2023	Aerospace Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ae04	All Degree Programs
Lighter than Air Systems	Prof. Rajkumar S. Pant	3	January 23, 2023	April 14, 2023	Aerospace Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ae05	All Degree Programs
Fundamentals of Theoretical and Experimental Aerodynamics	Prof. Arnab Roy	3	January 23, 2023	April 14, 2023	Aerospace Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ae06	All Degree Programs
Satellite Attitude Dynamics And Control	Prof. Manoranjan Sinha	3	January 23, 2023	April 14, 2023	Aerospace Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ae07	All Degree Programs
Instrumentation and Process Control in Food Industry	Prof. Ashis Kumar Datta	2	January 23, 2023	March 17, 2023	Agriculture Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ag01	All Degree Programs
Novel Technologies For Food Processing And Shelf Life Extension	Prof. Hari Niwas Mishra	3	January 23, 2023	April 14, 2023	Agriculture Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ag02	All Degree Programs
Soil Science And Technology	Prof. Somsubhra Chakraborty	3	January 23, 2023	April 14, 2023	Agriculture Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ag03	All Degree Programs

Machine Learning For Soil And Crop Management	Prof. Somsubhra Chakraborty	3	January 23, 2023	April 14, 2023	Agriculture Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ag04	All Degree Programs
Cooling Technology: Why and How utilized in Food Processing and allied Industries	Prof. Tridib Kumar Goswami	3	January 23, 2023	April 14, 2023	Agriculture Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ag05	All Degree Programs
Traction Engineering	Prof. Hifjur Raheman	2	February 20, 2023	April 14, 2023	Agriculture Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ag06	All Degree Programs
Soil And Water Conservation Engineering	Prof. Rajendra Singh	3	January 23, 2023	April 14, 2023	Agriculture Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ag07	All Degree Programs
Engineering Mechanics - Statics and Dynamics	Prof. Anubhab Roy	2	January 23, 2023	March 17, 2023	Applied Mechanics	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_me01	All Degree Programs
Structure, Form, and Architecture : The Synergy	Prof. Shubhajit Sadhukhan	2	January 23, 2023	March 17, 2023	Architecture and Planning	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ar01	All Degree Programs
Introduction to History of Architecture in India	Prof. Pushkar Sohoni	1	January 23, 2023	February 17, 2023	Architecture and Planning	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ar02	All Degree Programs
User Interface Design	Prof. Saptarshi Kolay	1	January 23, 2023	February 17, 2023	Architecture and Planning	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ar03	All Degree Programs
Environmental Impact Assessment	Prof. Harshit Sosan Lakra	3	January 23, 2023	April 14, 2023	Architecture and Planning	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ar04	All Degree Programs
Engineering/Architectural Graphics - part I - Orthographic projection	Prof. Avlokita Agrawal	2	January 23, 2023	March 17, 2023	Architecture and Planning	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ar05	All Degree Programs
Engineering/Architectural Graphics – part II – Isometric and Axonometric Drawings	Prof. Avlokita Agrawal	1	January 23, 2023	February 17, 2023	Architecture and Planning	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ar06	All Degree Programs

Urban Services Planning	Prof. Debapratim Pandit	3	January 23, 2023	April 14, 2023	Architecture and Planning	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ar07	All Degree Programs
Strategies for Sustainable Design	Prof. Shiva Ji	3	January 23, 2023	April 14, 2023	Architecture, Civil and Design	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ce01	All Degree Programs
Maternal Infant Young Child Nutrition	Prof. Rupal Dalal	3	January 23, 2023	April 14, 2023	Biological science	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_bt01	All Degree Programs
मातृ शिशु युवा बाल पोषण	Prof. Rupal Dalal	3	January 23, 2023	April 14, 2023	Biological science	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_bt02	All Degree Programs
RNA Biology	Prof. Rajesh Ramachandran	3	January 23, 2023	April 14, 2023	Biology	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_bt03	All Degree Programs
Biomechanics	Prof. Varadhan	3	January 23, 2023	April 14, 2023	Biomedical Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_bt04	All Degree Programs
Enzyme Sciences and Technology	Prof. Vishal Trivedi	3	January 23, 2023	April 14, 2023	Biotechnology and Bioengineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_bt05	All Degree Programs
Metabolic Engineering	Prof. Pinaki Sar Prof. Amit Ghosh	2	January 23, 2023	March 17, 2023	Biotechnology and Bioengineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_bt06	All Degree Programs
Environmental Chemistry And Microbiology	Prof. Anjali Pal Prof. Sudha Goel	3	January 23, 2023	April 14, 2023	Biotechnology and Bioengineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_bt07	All Degree Programs
Aspects Of Biochemical Engineering	Prof. Debabrata Das	3	January 23, 2023	April 14, 2023	Biotechnology and Bioengineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_bt08	All Degree Programs
Introduction to Professional Scientific Communication	Prof. S. Ganesh	1	January 23, 2023	February 17, 2023	Biotechnology and Bioengineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_bt09	All Degree Programs

Human Molecular Genetics	Prof. S. Ganesh	1	January 23, 2023	February 17, 2023	Biotechnology and Bioengineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_bt10	All Degree Programs
Introductory Mathematical Methods for Biologists	Prof. Ranjit Padinhateeri	2	January 23, 2023	March 17, 2023	Biotechnology and Bioengineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_bt11	All Degree Programs
BioInformatics: Algorithms and Applications	Prof. Michael Gromiha	3	January 23, 2023	April 14, 2023	Biotechnology and Bioengineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_bt12	All Degree Programs
Biostatistics and Design of experiments	Prof. Mukesh Doble	2	January 23, 2023	March 17, 2023	Biotechnology and Bioengineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_bt13	All Degree Programs
Computational Systems Biology	Prof. Karthik Raman	3	January 23, 2023	April 14, 2023	Biotechnology and Bioengineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_bt14	All Degree Programs
Demystifying The Brain	Prof. Srinivas Chakravarthy	1	January 23, 2023	February 17, 2023	Biotechnology and Bioengineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_bt15	All Degree Programs
Material and Energy Balances	Prof. Vignesh Muthuvijayan	3	January 23, 2023	April 14, 2023	Biotechnology and Bioengineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_bt16	All Degree Programs
Medical Biomaterials	Prof. Mukesh Doble	2	February 20, 2023	April 14, 2023	Biotechnology and Bioengineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_bt17	All Degree Programs
Thermodynamics for Biological Systems : Classical and Statistical Aspect	Prof. Suraishkumar G K Prof. Sanjib Senapati	3	January 23, 2023	April 14, 2023	Biotechnology and Bioengineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_bt18	All Degree Programs
Bioengineering: An Interface with Biology and Medicine	Prof. Sanjeeva Srivastava	2	January 23, 2023	March 17, 2023	Biotechnology and Bioengineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_bt19	All Degree Programs
Interactomics : Basics & Applications	Prof. Sanjeeva Srivastava	3	January 23, 2023	April 14, 2023	Biotechnology and Bioengineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_bt20	All Degree Programs

Biochemistry - IITM	Prof. Subramaniam K	3	January 23, 2023	April 14, 2023	Biotechnology and Bioengineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_bt21	All Degree Programs
Bioreactor Design and Analysis	Prof. Smita Srivastava	2	January 23, 2023	March 17, 2023	Biotechnology and Bioengineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_bt22	All Degree Programs
Structural Biology	Prof. Saugata Hazra	3	January 23, 2023	April 14, 2023	Biotechnology and Bioengineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_bt23	All Degree Programs
Plant Developmental Biology	Prof. Shri Ram Yadav	1	January 23, 2023	February 17, 2023	Biotechnology and Bioengineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_bt24	All Degree Programs
Basics of Biology	Prof. Vishal Trivedi	3	January 23, 2023	April 14, 2023	Biotechnology and Bioengineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_bt25	All Degree Programs
Data Analysis for Biologists	Prof. Biplab Bose	2	January 23, 2023	March 17, 2023	Biotechnology and Bioengineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_bt26	All Degree Programs
Biointerface Engineering	Prof. Lalit M. Pandey	2	February 20, 2023	April 14, 2023	Biotechnology and Bioengineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_bt27	All Degree Programs
Conservation Economics	Prof. Ankur Awadhiya	3	January 23, 2023	April 14, 2023	Biotechnology and Bioengineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_bt28	All Degree Programs
Forests and their Management	Prof. Ankur Awadhiya	3	January 23, 2023	April 14, 2023	Biotechnology and Bioengineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_bt29	All Degree Programs
Nanotechnology In Agriculture	Prof. Mainak Das	2	January 23, 2023	March 17, 2023	Biotechnology and Bioengineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_bt30	All Degree Programs
Bioelectrochemistry	Prof. Mainak Das	1	January 23, 2023	February 17, 2023	Biotechnology and Bioengineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_bt31	All Degree Programs

Cell Biology: Cellular organization, division and processes	Prof. Shikha Laloraya	2	January 23, 2023	March 17, 2023	Biotechnology and Bioengineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_bt32	All Degree Programs
Host-Pathogen Interaction (Immunology)	Prof. Himanshu Kumar	3	January 23, 2023	April 14, 2023	Biotechnology and Bioengineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_hs05	All Degree Programs
Engineering Thermodynamics	Prof. Jayant K. Singh	2	January 23, 2023	March 17, 2023	Chemical Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ch01	All Degree Programs
Basic Principles and Calculations in Chemical Engineering	Prof. Subrata Kumar Majumdar	3	January 23, 2023	April 14, 2023	Chemical Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ch02	All Degree Programs
Fluid Flow Operations	Prof. Subrata Kumar Majumdar	3	January 23, 2023	April 14, 2023	Chemical Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ch03	All Degree Programs
Computer Aided Applied Single Objective Optimization	Prof. Prakash Kotecha	3	January 23, 2023	April 14, 2023	Chemical Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ch04	All Degree Programs
Waste to Energy Conversion	Prof. P. Mondal	2	January 23, 2023	March 17, 2023	Chemical Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ch05	All Degree Programs
Heat Transfer	Prof. Ganesh Viswanathan	3	January 23, 2023	April 14, 2023	Chemical Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ch06	All Degree Programs
Chemical Reaction Engineering II	Prof. Ganesh Vishwanathan	3	January 23, 2023	April 14, 2023	Chemical Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ch07	All Degree Programs
Membrane Technology	Prof. Kaustubha Mohanty	3	January 23, 2023	April 14, 2023	Chemical Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ch08	All Degree Programs
Applied Time-Series Analysis	Prof. Arun K Tangirala	3	January 23, 2023	April 14, 2023	Chemical Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ch09	All Degree Programs

Computational Fluid Dynamics	Prof. Srinivas Jayanti	3	January 23, 2023	April 14, 2023	Chemical Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ch10	All Degree Programs
Process Control - Design, Analysis and Assessment	Prof. Ragunathan Rengasamy	3	January 23, 2023	April 14, 2023	Chemical Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ch11	All Degree Programs
Chemical Engineering Thermodynamics	Prof. Sasidhar Gumma	3	January 23, 2023	April 14, 2023	Chemical Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ch12	All Degree Programs
Electrochemical Technology in Pollution Control	Prof. J. R. Mudakavi	2	January 23, 2023	March 17, 2023	Chemical Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ch13	All Degree Programs
Multiphase Flows	Prof. Rajesh Kumar Upadhyay	2	January 23, 2023	March 17, 2023	Chemical Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ch14	All Degree Programs
Environmental Quality Monitoring & Analysis	Prof. Ravi Krishna R	3	January 23, 2023	April 14, 2023	Chemical Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ch15	All Degree Programs
Chemical Process Technology	Prof. Tamal Banerjee	3	January 23, 2023	April 14, 2023	Chemical Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ch16	All Degree Programs
Biological process design for wastewater treatment	Prof. Vimal Chandra Srivastava	2	February 20, 2023	April 14, 2023	Chemical Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ch17	All Degree Programs
Introduction To Process Modeling In The Membrane Separation Process	Prof. Sirshendu De	1	January 23, 2023	February 17, 2023	Chemical Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ch18	All Degree Programs
Soft Nano Technology	Prof. Rabibrata Mukherjee	2	January 23, 2023	March 17, 2023	Chemical Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ch19	All Degree Programs
Mass Momentum And Energy Balances In Engineering Analysis	Prof. Pavitra Sandilya	2	January 23, 2023	March 17, 2023	Chemical Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ch20	All Degree Programs

Transport Phenomena	Prof. Sunando Dasgupta	3	January 23, 2023	April 14, 2023	Chemical Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ch21	All Degree Programs
Optimization In Chemical Engineering	Prof. Debasis Sarkar	3	January 23, 2023	April 14, 2023	Chemical Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ch22	All Degree Programs
Chemical Process Instrumentation	Prof. Debasis Sarkar	3	January 23, 2023	April 14, 2023	Chemical Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ch23	All Degree Programs
Chemical Engineering Thermodynamics - IITKGP	Prof. Gargi Das	3	January 23, 2023	April 14, 2023	Chemical Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ch24	All Degree Programs
Advanced Thermodynamics and Molecular Simulations	Prof. Prateek Kumar Jha	3	January 23, 2023	April 14, 2023	Chemical Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ch25	All Degree Programs
Process Equipment Design	Prof. Shabina Khanam	3	January 23, 2023	April 14, 2023	Chemical Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ch26	All Degree Programs
Unit operations of particulate matter	Prof. Shabina Khanam	1	January 23, 2023	February 17, 2023	Chemical Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ch27	All Degree Programs
Chemical Process Utilities	Prof. Shishir Sinha	3	January 23, 2023	April 14, 2023	Chemical Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ch28	All Degree Programs
Polymer Reaction Engineering	Prof. Shishir Sinha	3	January 23, 2023	April 14, 2023	Chemical Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ch29	All Degree Programs
Physico-chemical processes for wastewater treatment	Prof. Vimal Chandra Srivastava	3	January 23, 2023	April 14, 2023	Chemical Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ch30	All Degree Programs
carbene based Organometallic Compounds as Industrially Important Advanced Polyolefin	Prof. Sanjib K. Patra	2	February 20, 2023	April 14, 2023	Chemical Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ch31	All Degree Programs

Chemical Engineering Fluid Dynamics and Heat Transfer	Prof. Rabibrata Mukherjee Prof. Arnab Atta	3	January 23, 2023	April 14, 2023	Chemical Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ch32	All Degree Programs
Biomass Conversion and Biorefinery	Prof. Kaustubha Mohanty	3	January 23, 2023	April 14, 2023	Chemical Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ch33	All Degree Programs
Aspen Plus® simulation software - a basic course for beginners	Prof. Prabirkumar Saha	3	January 23, 2023	April 14, 2023	Chemical Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ch34	All Degree Programs
Renewable Energy Engineering: Solar, Wind and Biomass Energy Systems	Prof. Vaibhav Vasant Goud Prof. R. Anandalakshmi	3	January 23, 2023	April 14, 2023	Chemical Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ch35	All Degree Programs
Physical and Electrochemical Characterization in Chemical Engineering	Prof. Tamal Banerjee	2	January 23, 2023	March 17, 2023	Chemical Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ch36	All Degree Programs
Multiphase Microfluidics	Prof. Raghendra Gupta	2	February 20, 2023	April 14, 2023	Chemical Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ch37	All Degree Programs
Thermodynamics Of Fluid Phase Equilibria	Prof. Jayant K. Singh	2	January 23, 2023	March 17, 2023	Chemical Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ch38	All Degree Programs
Inorganic Chemical Technology	Prof. Nanda Kishore	3	January 23, 2023	April 14, 2023	Engineering, Biotechnology, Food Technology, Textile Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ch39	All Degree Programs
Matlab Programming for Numerical Computation	Prof. Niket Kaisare	3	January 23, 2023	April 14, 2023	Chemical Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ch42	All Degree Programs
Organometallic Chemistry	Prof. Debabrata Maiti	1	January 23, 2023	February 17, 2023	Chemistry	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_cy01	All Degree Programs
Basics in Inorganic Chemistry	Prof. D. Maiti	1	January 23, 2023	February 17, 2023	Chemistry	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_cy02	All Degree Programs

Essentials of Biomolecules : Nucleic Acids and Peptides	Prof. Lal Mohan Kundu	3	January 23, 2023	April 14, 2023	Chemistry	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_cy03	All Degree Programs
Transition Metal Organometallics in Catalysis and Biology	Prof. P. Ghosh	3	January 23, 2023	April 14, 2023	Chemistry	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_cy04	All Degree Programs
Advanced Transition Metal Organometallic Chemistry	Prof. P. Ghosh	3	January 23, 2023	April 14, 2023	Chemistry	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_cy05	All Degree Programs
Advanced Chemical Thermodynamics and Kinetics	Prof. Arijit Kumar De	3	January 23, 2023	April 14, 2023	Chemistry	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_cy06	All Degree Programs
Basic thermodynamics: Classical and Statistical Approaches	Prof. Arnab Mukherjee	3	January 23, 2023	April 14, 2023	Chemistry	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_cy07	All Degree Programs
Chemistry - II	Prof. K.Mangal Sundar	2	January 23, 2023	March 17, 2023	Chemistry	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_cy08	All Degree Programs
Fundamentals of Spectroscopy	Prof. Sayan Bagchi Prof. Anirban Hazra	3	January 23, 2023	April 14, 2023	Chemistry	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_cy09	All Degree Programs
Medicinal Chemistry	Prof. Harinath Chakrapani	3	January 23, 2023	April 14, 2023	Chemistry	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_cy10	All Degree Programs
Pericyclic Reactions and Organic Photochemistry	Prof. Sankararaman	2	January 23, 2023	March 17, 2023	Chemistry	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_cy11	All Degree Programs
Ultrafast laser spectroscopy	Prof. Anindya Datta	3	January 23, 2023	April 14, 2023	Chemistry	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_cy12	All Degree Programs
Molecular Spectroscopy: A Physical Chemist's perspective	Prof. Anindya Datta	3	January 23, 2023	April 14, 2023	Chemistry	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_cy13	All Degree Programs

Chemistry Of Main Group Elements	Prof. M.S. Balakrishna	3	January 23, 2023	April 14, 2023	Chemistry	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_cy14	All Degree Programs
Bioinorganic Chemistry	Prof. S. P. Rath	1	January 23, 2023	February 17, 2023	Chemistry	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_cy15	All Degree Programs
Introductory Organic Chemistry I	Prof. Neeraja Dashaputre Prof. Harinath Chakrapani	2	February 20, 2023	April 14, 2023	Chemistry	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_cy16	All Degree Programs
Symmetry, Stereochemistry and Applications	Prof. Angshuman Roy Choudhury	3	January 23, 2023	April 14, 2023	Chemistry	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_cy17	All Degree Programs
Symmetry and Group Theory	Prof. Jeetender Chugh	3	January 23, 2023	April 14, 2023	Chemistry	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_cy18	All Degree Programs
Elementary Electrochemistry	Prof. Angshuman Roy Choudhury	2	February 20, 2023	April 14, 2023	Chemistry	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_cy19	All Degree Programs
Reactive Intermediates Carbene And Nitrene	Prof. Rajarshi Samanta	1	January 23, 2023	February 17, 2023	Chemistry	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_cy20	All Degree Programs
Nuclear and Radiochemistry	Prof. B.S.Tomar Prof. P.K.Mohapatra	3	January 23, 2023	April 14, 2023	Chemistry	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_cy21	All Degree Programs
Organic Chemistry I (Tamil)	Prof. Srinivasan Venkataraman	1	February 20, 2023	March 17, 2023	Chemistry	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_cy22	All Degree Programs
And Reactivity Of Organic Compounds And Intermediates: A Problem-solving Approach	Prof. Amit Basak	2	January 23, 2023	March 17, 2023	Chemistry	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_cy23	All Degree Programs
Introduction To Molecular Thermodynamics	Prof. Srabani Taraphder	2	January 23, 2023	March 17, 2023	Chemistry	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_cy24	All Degree Programs

Approximate Methods In Quantum Chemistry	Prof. Sabyashachi Mishra	2	January 23, 2023	March 17, 2023	Chemistry	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_cy25	All Degree Programs
Co-Ordination Chemistry (Chemistry Of Transition Elements)	Prof. Debashis Ray	3	January 23, 2023	April 14, 2023	Chemistry	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_cy26	All Degree Programs
Industrial Inorganic Chemistry	Prof. Debashis Ray	3	January 23, 2023	April 14, 2023	Chemistry	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_cy27	All Degree Programs
A Study Guide In Organic Retrosynthesis: Problem Solving Approach	Prof. Samik Nanda	3	January 23, 2023	April 14, 2023	Chemistry	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_cy28	All Degree Programs
Experimental Biochemistry	Prof. Swagata Dasgupta Prof. Soumya De	3	January 23, 2023	April 14, 2023	Chemistry	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_cy29	All Degree Programs
Biochemistry	Prof. Swagata Dasgupta	3	January 23, 2023	April 14, 2023	Chemistry	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_cy30	All Degree Programs
Essentials of Oxidation, Reduction and C-C Bond Formation. Application in Organic Synthesis	Prof. Yashwant D Vankar	3	January 23, 2023	April 14, 2023	Chemistry	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_cy31	All Degree Programs
Thermodynamics: Classical To Statistical	Prof. Sandip Paul	3	January 23, 2023	April 14, 2023	Chemistry and Biochemistry	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_cy32	All Degree Programs
Chemical kinetics and transition state theory	Prof. Amber Jain	2	January 23, 2023	March 17, 2023	Chemistry And Biochemistry	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_cy33	All Degree Programs
Geology and Soil Mechanics	Prof. Priyanka Ghosh	3	January 23, 2023	April 14, 2023	Civil Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ce02	All Degree Programs
Geotechnical Engineering - 1	Prof. D. N. Singh	3	January 23, 2023	April 14, 2023	Civil Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ce03	All Degree Programs

Geomorphology	Prof. Pitambar Pati	3	January 23, 2023	April 14, 2023	Civil Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ce04	All Degree Programs
Digital Land Surveying And Mapping (DLS&M)	Prof. Jayanta Kumar Ghosh	2	January 23, 2023	March 17, 2023	Civil Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ce05	All Degree Programs
Maintenance and Repair of Concrete Structures	Prof. Radhakrishna G. Pillai	3	January 23, 2023	April 14, 2023	Civil Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ce06	All Degree Programs
Structural Dynamics	Prof. Ramacharala Pradeep Kumar	3	January 23, 2023	April 14, 2023	Civil Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ce07	All Degree Programs
Introduction to Accounting and Finance for Civil Engineers	Prof. K. N. Jha Prof. Sudhir Misra	2	January 23, 2023	March 17, 2023	Civil Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ce08	All Degree Programs
Development and Applications of Special Concretes	Prof. Sudhir Misra	2	January 23, 2023	March 17, 2023	Civil Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ce09	All Degree Programs
Applied Environmental Microbiology	Prof. Gargi Singh	3	January 23, 2023	April 14, 2023	Civil Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ce10	All Degree Programs
Environmental Remediation of Contaminated Sites	Prof. Bhanu Prakash Vellanki	3	January 23, 2023	April 14, 2023	Civil Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ce11	All Degree Programs
Water and waste water treatment	Prof. Bhanu Prakash Vellanki	3	January 23, 2023	April 14, 2023	Civil Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ce12	All Degree Programs
Rock Engineering	Prof. Priti Maheshwari	3	January 23, 2023	April 14, 2023	Civil Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ce13	All Degree Programs
Air Pollution and Control	Prof. Bhola Ram Gurjar	3	January 23, 2023	April 14, 2023	Civil Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ce14	All Degree Programs

Remote Sensing Essentials	Prof. Arun K. Saraf	3	January 23, 2023	April 14, 2023	Civil Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ce15	All Degree Programs
Geographic Information Systems	Prof. Arun K. Saraf	3	January 23, 2023	April 14, 2023	Civil Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ce16	All Degree Programs
Earthquake Resistant Design of Foundations	Prof. B. K. Maheshwari	2	January 23, 2023	March 17, 2023	Civil Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ce17	All Degree Programs
Basic construction materials	Prof. Manu Santhanam Prof. Radhakrishna G. Pillai	3	January 23, 2023	April 14, 2023	Civil Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ce18	All Degree Programs
Introduction to Civil Engineering Profession	Prof. Ravindra Gettu Prof. Subhadeep Banerjee	2	January 23, 2023	March 17, 2023	Civil Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ce19	All Degree Programs
Characterization of Construction Materials	Prof. Manu Santhanam Prof. Piyush Chaunsali	3	January 23, 2023	April 14, 2023	Civil Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ce20	All Degree Programs
Vibration of Continuous Systems	Prof. Sudip Talukdar	3	January 23, 2023	April 14, 2023	Civil Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ce21	All Degree Programs
Introduction to Lean Construction (Module 1 - Lean Basics)	Prof. Koshy Varghese Prof. N Raghavan	1	January 23, 2023	February 17, 2023	Civil Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ce22	All Degree Programs
Microwave Remote Sensing in Hydrology	Prof. J. Indu	3	January 23, 2023	April 14, 2023	Civil Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ce23	All Degree Programs
Remote Sensing: Principles and Applications	Prof. Eswar Rajasekaran	3	January 23, 2023	April 14, 2023	Civil Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ce24	All Degree Programs
Electronic Waste Management - Issues And Challenges	Prof. Brajesh Kumar Dubey	1	January 23, 2023	February 17, 2023	Civil Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ce25	All Degree Programs

Geo Spatial Analysis In Urban Planning	Prof. Saikat Kumar Paul	1	January 23, 2023	February 17, 2023	Civil Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ce26	All Degree Programs
Probability Methods In Civil Engineering	Prof. Rajib Maity	3	January 23, 2023	April 14, 2023	Civil Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ce27	All Degree Programs
Structural Analysis-I	Prof. Amit Shaw	3	January 23, 2023	April 14, 2023	Civil Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ce28	All Degree Programs
Traffic Engineering	Prof. Bhargab Maitra	3	January 23, 2023	April 14, 2023	Civil Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ce29	All Degree Programs
Urban Transportation Systems Planning	Prof. Bhargab Maitra	3	January 23, 2023	April 14, 2023	Civil Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ce30	All Degree Programs
Finite Element Method	Prof. Biswanath Banerjee Prof. Amit Shaw	3	January 23, 2023	April 14, 2023	Civil Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ce31	All Degree Programs
Geotechnical Engineering II Foundation Engineering	Prof. Dilip Kumar Baidya	3	January 23, 2023	April 14, 2023	Civil Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ce32	All Degree Programs
Advanced Foundation Engineering	Prof. Kousik Deb	3	January 23, 2023	April 14, 2023	Civil Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ce33	All Degree Programs
Soil Structure Interaction	Prof. Kousik Deb	3	January 23, 2023	April 14, 2023	Civil Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ce34	All Degree Programs
Hydraulic Engineering	Prof. Mohammad Saud Afzal	3	January 23, 2023	April 14, 2023	Civil Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ce35	All Degree Programs
Retrofitting and Rehabilitation of Civil Infrastructure	Prof. Swati Maitra Prof. Sriman Bhattacharya	3	January 23, 2023	April 14, 2023	Civil Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ce36	All Degree Programs

Water Supply Engineering	Prof. Manoj Kumar Tiwari	3	January 23, 2023	April 14, 2023	Civil Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ce37	All Degree Programs
Surface Water Hydrology	Prof. Rajib Maity	3	January 23, 2023	April 14, 2023	Civil Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ce38	All Degree Programs
Mineral Resources: Geology Exploration Economics And Environment	Prof. M. K. Panigrahi	3	January 23, 2023	April 14, 2023	Civil Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ce39	All Degree Programs
Introduction To Mineral Processing	Prof. Arun Kumar Majumder	3	January 23, 2023	April 14, 2023	Civil Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ce40	All Degree Programs
Soil Dynamics	Prof. Paramita Bhattacharya	3	January 23, 2023	April 14, 2023	Civil Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ce41	All Degree Programs
Safety in Construction	Prof. J. Uma Maheswari	2	January 23, 2023	March 17, 2023	Civil Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ce42	All Degree Programs
Scheduling Techniques in Projects	Prof. J. Uma Maheswari	1	January 23, 2023	February 17, 2023	Civil Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ce43	All Degree Programs
Engineering Hydrology	Prof. Sreeja Pekkat	3	January 23, 2023	April 14, 2023	Civil Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ce44	All Degree Programs
Expansive Soil	Prof. Anil K. Mishra	2	January 23, 2023	March 17, 2023	Civil Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ce45	All Degree Programs
Construction Methods And Equipment Management	Prof. Indu Siva Ranjani Gandhi	2	January 23, 2023	March 17, 2023	Civil Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ce46	All Degree Programs
Advanced Soil Mechanics	Prof. Sreedeeep S	3	January 23, 2023	April 14, 2023	Civil Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ce47	All Degree Programs

Unsaturated Soil Mechanics	Prof. Tadikonda Venkata Bharat	3	January 23, 2023	April 14, 2023	Civil Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ce48	All Degree Programs
Analysis and Design of Bituminous Pavements	Neethu Roy (NR) A. Padmarekha (APR) J. Murali Krishnan (JMK)	3	January 23, 2023	April 14, 2023	Civil Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ce49	All Degree Programs
Concrete Technology	Prof. B. Bhattacharjee	3	January 23, 2023	April 14, 2023	Civil Engineering and Architecture Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ce50	All Degree Programs
Energy Efficiency, Acoustics and Daylighting in Building	Prof. B. Bhattacharjee	3	January 23, 2023	April 14, 2023	Civil Engineering and Architecture Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ce51	All Degree Programs
Remote Sensing and GIS for rural development	Prof. Pennan Chinnasamy	3	January 23, 2023	April 14, 2023	Civil Engineering, Rural Development, Earth Science, Geology	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ce52	All Degree Programs
FEM & Constitutive Modelling in Geomechanics	Prof. K Rajagopal	3	January 23, 2023	April 14, 2023	Civil Engineering/Geotechnical Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ce53	All Degree Programs
Randomized Methods in Complexity	Prof. Nitin Saxena	3	January 23, 2023	April 14, 2023	Computer Science & Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_cs01	All Degree Programs
Introduction to programming in C	Prof. Satyadev Nandakumar	2	January 23, 2023	March 17, 2023	Computer Science & Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_cs02	All Degree Programs
Foundations of Cryptography	Prof. Ashish Choudhury	3	January 23, 2023	April 14, 2023	Computer Science & Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_cs03	All Degree Programs
Quantum Algorithms and Cryptography	Prof. Shweta Agrawal	3	January 23, 2023	April 14, 2023	Computer Science and Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_cs04	All Degree Programs
An Introduction to Artificial Intelligence	Prof. Mausam	3	January 23, 2023	April 14, 2023	Computer Science and Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_cs05	All Degree Programs

Introduction to Embedded System Design	Prof. Dhananjay V. Gadre Prof. Badri N Subudhi	3	January 23, 2023	April 14, 2023	Computer Science and Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_cs06	All Degree Programs
Advanced Computer Architecture	Prof. Smruti R.Sarangi	3	January 23, 2023	April 14, 2023	Computer Science and Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_cs07	All Degree Programs
Data Analytics with Python	Prof. A. Ramesh	3	January 23, 2023	April 14, 2023	Computer Science and Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_cs08	All Degree Programs
Artificial Intelligence: Knowledge Representation And Reasoning	Prof. Deepak Khemani	3	January 23, 2023	April 14, 2023	Computer Science and Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_cs09	All Degree Programs
Information Security - 5 - Secure Systems Engineering	Prof. Chester Robeiro	2	January 23, 2023	March 17, 2023	Computer Science and Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_cs10	All Degree Programs
Machine Learning,ML	Prof. Carl Gustaf Jansson	2	January 23, 2023	March 17, 2023	Computer Science and Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_cs11	All Degree Programs
Model Checking	Prof. Srivathsan.B	3	January 23, 2023	April 14, 2023	Computer Science and Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_cs12	All Degree Programs
Privacy and Security in Online Social Media	Prof. Ponnurangam Kumaraguru	3	January 23, 2023	April 14, 2023	Computer Science and Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_cs13	All Degree Programs
AI:Constraint Satisfaction	Prof. Deepak Khemani	2	January 23, 2023	March 17, 2023	Computer Science and Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_cs14	All Degree Programs
Programming, Data Structures And Algorithms Using Python	Prof. Madhavan Mukund	2	January 23, 2023	March 17, 2023	Computer Science and Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_cs15	All Degree Programs
Design and analysis of algorithms	Prof. Madhavan Mukund	2	January 23, 2023	March 17, 2023	Computer Science and Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_cs16	All Degree Programs

Data Science for Engineers	Prof. Ragunathan Rengasamy Prof. Shankar Narasimhan	2	January 23, 2023	March 17, 2023	Computer Science and Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_cs17	All Degree Programs
Introduction to Machine Learning	Prof. Balaraman Ravindran	3	January 23, 2023	April 14, 2023	Computer Science and Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_cs18	All Degree Programs
Social Networks	Prof. Sudarshan Iyengar	3	January 23, 2023	April 14, 2023	Computer Science and Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_cs19	All Degree Programs
The Joy of Computing using Python	Prof. Sudarshan Iyengar	3	January 23, 2023	April 14, 2023	Computer Science and Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_cs20	All Degree Programs
Python for Data Science	Prof. Ragunathan Rengasamy	1	January 23, 2023	February 17, 2023	Computer Science and Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_cs21	All Degree Programs
Discrete Mathematics	Prof. Sudarshan Iyengar	3	January 23, 2023	April 14, 2023	Computer Science and Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_cs22	All Degree Programs
Reinforcement Learning	Prof. Balaraman Ravindran	3	January 23, 2023	April 14, 2023	Computer Science and Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_cs23	All Degree Programs
Deep Learning - IIT Ropar	Prof. Sudarshan Iyengar	3	January 23, 2023	April 14, 2023	Computer Science and Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_cs24	All Degree Programs
User-centric Computing for Human-Computer Interaction	Prof. Samit Bhattacharya	2	January 23, 2023	March 17, 2023	Computer Science and Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_cs25	All Degree Programs
Advanced Graph Theory	Prof. Rajiv Misra	2	January 23, 2023	March 17, 2023	Computer Science and Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_cs26	All Degree Programs
Cloud Computing and Distributed Systems	Prof. Rajiv Misra	2	January 23, 2023	March 17, 2023	Computer Science and Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_cs27	All Degree Programs

Introduction to parallel programming with OpenMP and MPI	Prof. Yogish Sabharwal	2	January 23, 2023	March 17, 2023	Computer Science and Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_cs28	All Degree Programs
Introduction to Database Systems	Prof. Sreenivasa Kumar	3	January 23, 2023	April 14, 2023	Computer Science and Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_cs29	All Degree Programs
Getting Started with Competitive Programming	Prof. Neeldhara Misra	3	January 23, 2023	April 14, 2023	Computer Science and Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_cs30	All Degree Programs
Theory of Computation	Prof. Subrahmanyam Kalyanasundaram	3	January 23, 2023	April 14, 2023	Computer Science and Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_cs31	All Degree Programs
Systems and Usable Security	Prof. Neminath Hubballi	1	January 23, 2023	February 17, 2023	Computer Science and Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_cs32	All Degree Programs
Introduction to Machine Learning (Tamil)	Prof. Arun Rajkumar	2	January 23, 2023	March 17, 2023	Computer Science and Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_cs33	All Degree Programs
Secure Computation: Part I	Prof. Ashish Choudhury	3	January 23, 2023	April 14, 2023	Computer Science and Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_cs34	All Degree Programs
Advanced Computer Networks	Prof. Neminath Hubballi Prof. Sameer Kulkarni	3	January 23, 2023	April 14, 2023	Computer Science and Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_cs35	All Degree Programs
Affective Computing	Prof. Jainendra Shukla Prof. Abhinav Dhall	3	January 23, 2023	April 14, 2023	Computer Science and Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_cs36	All Degree Programs
Circuit Complexity Theory	Prof. Raghunath Tewari	3	January 23, 2023	April 14, 2023	Computer Science and Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_cs37	All Degree Programs
Software Testing	Prof. Rajib Mall	1	January 23, 2023	February 17, 2023	Computer Science and Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_cs38	All Degree Programs

Fundamental Algorithms: Design And Analysis	Prof. Sourav Mukhopadhyay	1	January 23, 2023	February 17, 2023	Computer Science and Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_cs39	All Degree Programs
Introduction To Soft Computing	Prof. Debasis Samanta	2	January 23, 2023	March 17, 2023	Computer Science and Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_cs40	All Degree Programs
Data Base Management System	Prof. Partha Pratim Das Prof. Samiran Chattopadhyay	2	January 23, 2023	March 17, 2023	Computer Science and Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_cs41	All Degree Programs
Cloud Computing	Prof. Soumya Kanti Ghosh	3	January 23, 2023	April 14, 2023	Computer Science and Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_cs42	All Degree Programs
Data Mining	Prof. Pabitra Mitra	2	January 23, 2023	March 17, 2023	Computer Science and Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_cs43	All Degree Programs
Ethical Hacking	Prof. Indranil Sengupta	3	January 23, 2023	April 14, 2023	Computer Science and Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_cs44	All Degree Programs
Natural Language Processing	Prof. Pawan Goyal	3	January 23, 2023	April 14, 2023	Computer Science and Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_cs45	All Degree Programs
Object Oriented System Development Using UML, Java And Patterns	Prof. Rajib Mall	3	January 23, 2023	April 14, 2023	Computer Science and Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_cs46	All Degree Programs
Blockchain and its Applications	Prof. Sandip Chakraborty Prof. Shamik Sural	3	January 23, 2023	April 14, 2023	Computer Science and Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_cs47	All Degree Programs
Computer Networks And Internet Protocol	Prof. Soumya Kanti Ghosh Prof. Sandip Chakraborty	3	January 23, 2023	April 14, 2023	Computer Science and Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_cs48	All Degree Programs
Programming In Java	Prof. Debasis Samanta	3	January 23, 2023	April 14, 2023	Computer Science and Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_cs49	All Degree Programs

Programming in Modern C++	Prof. Partha Pratim Das	3	January 23, 2023	April 14, 2023	Computer Science and Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_cs50	All Degree Programs
Introduction To Internet Of Things	Prof. Sudip Misra	3	January 23, 2023	April 14, 2023	Computer Science and Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_cs51	All Degree Programs
Introduction To Industry 4.0 And Industrial Internet Of Things	Prof. Sudip Misra	3	January 23, 2023	April 14, 2023	Computer Science and Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_cs52	All Degree Programs
Problem Solving Through Programming In C	Prof. Anupam Basu	3	January 23, 2023	April 14, 2023	Computer Science and Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_cs53	All Degree Programs
Embedded Systems Design	Prof. Anupam Basu	3	January 23, 2023	April 14, 2023	Computer Science and Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_cs54	All Degree Programs
Deep Learning	Prof. Prabir Kumar Biswas	3	January 23, 2023	April 14, 2023	Computer Science and Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_cs56	All Degree Programs
Compiler Design	Prof. Santanu Chattopadhyay	3	January 23, 2023	April 14, 2023	Computer Science and Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_cs57	All Degree Programs
Introduction to Automata, Languages and Computation	Prof. Sourav Mukhopadhyay	3	January 23, 2023	April 14, 2023	Computer Science and Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_cs58	All Degree Programs
Hardware Security	Prof. Debdeep Mukhopadhyay	3	January 23, 2023	April 14, 2023	Computer Science and Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_cs59	All Degree Programs
Discrete Structures	Prof. Dipanwita Roy Chowdhury	3	January 23, 2023	April 14, 2023	Computer Science and Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_cs60	All Degree Programs
GPU Architectures And Programming	Prof. Soumyajit Dey	3	January 23, 2023	April 14, 2023	Computer Science and Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_cs61	All Degree Programs

Foundations of Cyber Physical Systems	Prof. Soumyajit Dey	3	January 23, 2023	April 14, 2023	Computer Science and Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_cs62	All Degree Programs
Selected Topics in Algorithms	Prof. Palash Dey	3	January 23, 2023	April 14, 2023	Computer Science and Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_cs63	All Degree Programs
Optimisation for Machine Learning: Theory and Implementation (Hindi)	Prof. Pravesh Biyani	2	February 20, 2023	April 14, 2023	Computer Science and Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_cs64	All Degree Programs
Foundation of Cloud IoT Edge ML	Prof. Rajiv Misra	2	February 20, 2023	April 14, 2023	Computer Science and Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_cs65	All Degree Programs
Fundamentals of Automotive Systems	Prof. C. S. Shankar Ram	3	January 23, 2023	April 14, 2023	Design Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_de01	All Degree Programs
Understanding Design	Prof. Nina Sabnani	1	January 23, 2023	February 17, 2023	Design Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_de02	All Degree Programs
Understanding Ethnography	Prof. Nina Sabnani	2	January 23, 2023	March 17, 2023	Design Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_de03	All Degree Programs
Understanding Incubation and Entrepreneurship	Prof. B. K. Chakravarthy	3	January 23, 2023	April 14, 2023	Design Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_de04	All Degree Programs
Innovation by Design	Prof. B. K. Chakravarthy	1	January 23, 2023	February 17, 2023	Design Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_de05	All Degree Programs
Design, Technology and Innovation	Prof. B. K. Chakravarthy	2	January 23, 2023	March 17, 2023	Design Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_de06	All Degree Programs
Usability Engineering	Prof. Debayan Dhar	3	January 23, 2023	April 14, 2023	Design Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_de07	All Degree Programs

The evolution of the Earth and life	Prof. Devapriya Chattopadhyay	3	January 23, 2023	April 14, 2023	Earth Science/ Geology / Geoscience	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ce54	All Degree Programs
Natural Hazards	Prof. Javed N. Malik	2	January 23, 2023	March 17, 2023	Earth Sciences	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ce55	All Degree Programs
Geomorphic Processes: Landforms And Landscapes	Prof. Javed N. Malik	2	January 23, 2023	March 17, 2023	Earth Sciences	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ce56	All Degree Programs
Indian Economy: Some Contemporary Perspectives	Prof. Wasim Ahmad	2	January 23, 2023	March 17, 2023	Economic Sciences	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_hs01	All Degree Programs
Microfoundations Of Macroeconomics	Prof. Wasim Ahmad	2	January 23, 2023	March 17, 2023	Economic Sciences	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_hs02	All Degree Programs
Introduction to Econometrics	Prof. Sabuj Kumar Mandal	3	January 23, 2023	April 14, 2023	Economic Sciences	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_mg01	All Degree Programs
Applied Econometrics	Prof. Sabuj Kumar Mandal	3	January 23, 2023	April 14, 2023	Economic Sciences	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_mg02	All Degree Programs
Applied Statistics and Econometrics	Prof. Deep Mukherjee	3	January 23, 2023	April 14, 2023	Economic Sciences	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_mg03	All Degree Programs
Electric Vehicles - Part 1	Prof. Amit Jain	1	January 23, 2023	February 17, 2023	Electrical and Electronics Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ee01	All Degree Programs
Electromagnetic Waves in Guided and Wireless Media	Prof. Pradeep Kumar K	2	January 23, 2023	March 17, 2023	Electrical and Electronics Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ee02	All Degree Programs
Fundamental of Power Electronics	Prof. L.Umanand	3	January 23, 2023	April 14, 2023	Electrical and Electronics Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ee03	All Degree Programs

Principles of Signals and Systems	Prof. Aditya Jagannatham	3	January 23, 2023	April 14, 2023	Electrical and Electronics Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ee04	All Degree Programs
Principles of Communication Systems - I	Prof. Aditya K. Jagannatham	3	January 23, 2023	April 14, 2023	Electrical and Electronics Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ee05	All Degree Programs
Microprocessors and Interfacing	Prof. Shaik Rafi Ahamed	3	January 23, 2023	April 14, 2023	Electrical and Electronics Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ee06	All Degree Programs
CMOS Digital VLSI Design	Prof. Sudeb Dasgupta	2	January 23, 2023	March 17, 2023	Electrical and Electronics Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ee07	All Degree Programs
Principles of Digital Communications	Prof. Abhishek Dixit	3	January 23, 2023	April 14, 2023	Electrical and Electronics Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ee08	All Degree Programs
A brief introduction of Micro - Sensors	Prof. Santanu Talukder	1	January 23, 2023	February 17, 2023	Electrical and Electronics Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ee09	All Degree Programs
Analog Ic Design	Prof. Aniruddhan.S	3	January 23, 2023	April 14, 2023	Electrical and Electronics Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ee10	All Degree Programs
Digital IC Design	Prof. Janakiraman	3	January 23, 2023	April 14, 2023	Electrical and Electronics Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ee11	All Degree Programs
Linear Dynamical Systems	Prof. Tushar Jain	2	January 23, 2023	March 17, 2023	Electrical and Electronics Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ee12	All Degree Programs
Power Management Integrated Circuits	Prof. Qadeer Ahmad Khan	3	January 23, 2023	April 14, 2023	Electrical and Electronics Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ee13	All Degree Programs
Signals and Systems	Prof. Hitesh Shrimali Prof. Kushal K. Shah	3	January 23, 2023	April 14, 2023	Electrical and Electronics Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ee14	All Degree Programs

Transmission lines and electromagnetic waves	Prof. Ananth Krishnan	3	January 23, 2023	April 14, 2023	Electrical and Electronics Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ee15	All Degree Programs
Control engineering	Prof. Ramkrishna.P	3	January 23, 2023	April 14, 2023	Electrical and Electronics Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ee16	All Degree Programs
Fundamentals of semiconductor devices	Prof. Digbijoy N. Nath	3	January 23, 2023	April 14, 2023	Electrical and Electronics Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ee17	All Degree Programs
Microwave Integrated Circuits	Prof. Jayanta Mukherjee	2	January 23, 2023	March 17, 2023	Electrical and Electronics Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ee18	All Degree Programs
Analog Circuits	Prof. Jayanta Mukherjee	2	January 23, 2023	March 17, 2023	Electrical and Electronics Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ee19	All Degree Programs
High Power Multilevel Converters- Analysis, design and operational issues	Prof. Anandarup Das	3	January 23, 2023	April 14, 2023	Electrical and Electronics Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ee20	All Degree Programs
Fuzzy Sets, Logic and Systems & Applications	Prof. Nishchal Kumar Verma	3	January 23, 2023	April 14, 2023	Electrical and Electronics Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ee21	All Degree Programs
Nonlinear and Adaptive Control	Prof. Shubhendu Bhasin	1	January 23, 2023	February 17, 2023	Electrical and Electronics Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ee22	All Degree Programs
Optimal control	Prof. Barjeev Tyagi	2	January 23, 2023	March 17, 2023	Electrical and Electronics Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ee23	All Degree Programs
Electronics equipment integration and Prototype building	Prof. N.V.Chalapathi Rao	2	January 23, 2023	March 17, 2023	Electrical and Electronics Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ee24	All Degree Programs
Architectural Design of Digital Integrated Circuits	Prof. Indranil Hatai	3	January 23, 2023	April 14, 2023	Electrical and Electronics Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ee25	All Degree Programs

Recent Advances in Transmission Insulators	Prof. Subba Reddy B	1	January 23, 2023	February 17, 2023	Electrical and Electronics Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ee26	All Degree Programs
Power Quality Improvement Technique	Prof. Avik Bhattacharya	2	January 23, 2023	March 17, 2023	Electrical and Electronics Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ee27	All Degree Programs
Multirate DSP	Prof. R. David Koilpillai	3	January 23, 2023	April 14, 2023	Electrical and Electronics Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ee28	All Degree Programs
Digital System Design	Prof. Neeraj Goel	3	January 23, 2023	April 14, 2023	Electrical and Electronics Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ee29	All Degree Programs
Stochastic Modeling and the Theory of Queues	Prof. Krishna Jagannathan	3	January 23, 2023	April 14, 2023	Electrical and Electronics Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ee30	All Degree Programs
Digital Signal Processing and its Applications	Prof. V. M. Gadre	3	January 23, 2023	April 14, 2023	Electrical and Electronics Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ee31	All Degree Programs
Foundations of Wavelets and Multirate Digital Signal Processing	Prof. V. M. Gadre	1	January 23, 2023	February 17, 2023	Electrical and Electronics Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ee32	All Degree Programs
Digital Signal Processing	Prof. C.S.Ramalingam	3	January 23, 2023	April 14, 2023	Electrical and Electronics Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ee33	All Degree Programs
Circuit Analysis for Analog Designers	Prof. Shanthi Pavan	3	January 23, 2023	April 14, 2023	Electrical and Electronics Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ee34	All Degree Programs
Semiconductor device modeling and Simulation	Prof. Vivek Dixit	3	January 23, 2023	April 14, 2023	Electrical and Electronics Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ee35	All Degree Programs
RF and Microwave Networks	Prof. Bratin Ghosh	3	January 23, 2023	April 14, 2023	Electrical and Electronics Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ee36	All Degree Programs

Operation and Planning of Power Distribution Systems	Prof. Sanjib Ganguly	3	January 23, 2023	April 14, 2023	Electrical and Electronics Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ee37	All Degree Programs
Design of Power Electronic Converters	Prof. Shabari Nath	2	February 20, 2023	April 14, 2023	Electrical and Electronics Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ee38	All Degree Programs
Computer Vision and Image Processing - Fundamentals and Applications	Prof. M. K. Bhuyan	3	January 23, 2023	April 14, 2023	Electrical and Electronics Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ee39	All Degree Programs
Optical Engineering	Prof. Shanti Bhattacharya	3	January 23, 2023	April 14, 2023	Electrical and Electronics Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ee76	All Degree Programs
Analog Electronic Circuits - IITM	Prof. Shanthi Pavan	3	January 23, 2023	April 14, 2023	Electrical and Electronics Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ee77	All Degree Programs
Modern Computer Vision	Prof. A. N. Rajagopalan	3	January 23, 2023	April 14, 2023	Electrical and Electronics Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ee78	All Degree Programs
Design and Analysis of VLSI Subsystems	Prof. Madhav Rao	3	January 23, 2023	April 14, 2023	Electronics Engineering, Computer Science and Engineering,	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ee40	All Degree Programs
Advanced Neural Science for Engineers	Prof. Vikas V Prof. Hardik J Pandya	3	January 23, 2023	April 14, 2023	Electronics Engineering, Instrumentation Engineering,	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ee41	All Degree Programs
Medical Image Analysis	Prof. Debdoot Sheet	1	January 23, 2023	February 17, 2023	Electrical Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ee43	All Degree Programs
VLSI Signal Processing	Prof. Mrityunjoy Chakraborty	2	February 20, 2023	April 14, 2023	Electrical Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ee44	All Degree Programs
Analysis And Design Principles Of Microwave Antennas	Prof. Amitabha Bhattacharya	2	February 20, 2023	April 14, 2023	Electrical Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ee45	All Degree Programs

Evolution Of Air Interface Towards 5G	Prof. Suvra Sekhar Das	2	February 20, 2023	April 14, 2023	Electrical Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ee46	All Degree Programs
Microprocessors And Microcontrollers	Prof. Santanu Chattopadhyay	3	January 23, 2023	April 14, 2023	Electrical Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ee47	All Degree Programs
Analog Electronic Circuits - IITKGP	Prof. Pradip Mandal	3	January 23, 2023	April 14, 2023	Electrical Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ee48	All Degree Programs
Biomedical Signal Processing	Prof. Sudipta Mukhopadhyay	3	January 23, 2023	April 14, 2023	Electrical Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ee49	All Degree Programs
Digital Electronic Circuits	Prof. Goutam Saha	3	January 23, 2023	April 14, 2023	Electrical Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ee50	All Degree Programs
Power System Dynamics, Control and Monitoring	Prof. Debapriya Das	3	January 23, 2023	April 14, 2023	Electrical Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ee51	All Degree Programs
Power System Engineering	Prof. Debapriya Das	3	January 23, 2023	April 14, 2023	Electrical Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ee52	All Degree Programs
Deep Learning For Visual Computing	Prof. Debdoot Sheet	3	January 23, 2023	April 14, 2023	Electrical Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ee53	All Degree Programs
Network Analysis	Prof. Tapas Kumar Bhattacharya	3	January 23, 2023	April 14, 2023	Electrical Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ee54	All Degree Programs
Electrical Machines - II	Prof. Tapas Kumar Bhattacharya	3	January 23, 2023	April 14, 2023	Electrical Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ee55	All Degree Programs
Industrial Automation And Control	Prof. Alokanti Deb	3	January 23, 2023	April 14, 2023	Electrical Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ee56	All Degree Programs

Facts Devices	Prof. Avik Bhattacharya	2	February 20, 2023	April 14, 2023	Electrical Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ee58	All Degree Programs
Digital Protection of Power System	Prof. Bhaveshkumar R. Bhalja	2	January 23, 2023	March 17, 2023	Electrical Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ee59	All Degree Programs
Smart Grid: Basics to Advanced Technologies	Prof. N. P. Padhy Prof. Premlata Jena	3	January 23, 2023	April 14, 2023	Electrical Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ee60	All Degree Programs
Optical Wireless Communications for Beyond 5G Networks and IoT	Prof. Anand Srivastava	3	January 23, 2023	April 14, 2023	Electrical Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ee61	All Degree Programs
Basic Electronics	Prof. M.B. Patil	3	January 23, 2023	April 14, 2023	Electrical Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ee62	All Degree Programs
Power Quality	Prof. Bhim Singh	3	January 23, 2023	April 14, 2023	Electrical Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ee63	All Degree Programs
An Introduction to Information Theory	Prof. Adrish Banerjee	2	January 23, 2023	March 17, 2023	Electrical Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ee64	All Degree Programs
Op-Amp Practical Applications: Design, Simulation and Implementation	Prof. Hardik J Pandya	3	January 23, 2023	April 14, 2023	Electrical Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ee65	All Degree Programs
Sensors and actuators	Prof. Hardik J Pandya	3	January 23, 2023	April 14, 2023	Electrical Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ee66	All Degree Programs
Physics of Nanoscale Devices	Prof. Vishvendra Singh Poonia	3	January 23, 2023	April 14, 2023	Electronics and Communication	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ee67	All Degree Programs
Basic Tools Of Microwave Engineering	Prof. Amitabha Bhattacharya	1	February 20, 2023	March 17, 2023	Electronics and Communication Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ee68	All Degree Programs

Millimeter Wave Technology	Prof. Mrinal Kanti Mandal	2	January 23, 2023	March 17, 2023	Electronics and Communication Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ee69	All Degree Programs
Fundamentals Of MIMO Wireless Communication	Prof. Suvra Sekhar Das	2	January 23, 2023	March 17, 2023	Electronics and Communication Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ee70	All Degree Programs
Discrete Time Signal Processing	Prof. Mrityunjoy Chakraborty	2	January 23, 2023	March 17, 2023	Electronics and Communication Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ee71	All Degree Programs
Signal Processing Techniques and its Applications	Prof. Shyamal Das Mandal	3	January 23, 2023	April 14, 2023	Electronics and Communication Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ee72	All Degree Programs
Communication Networks	Prof. Gautam Das	3	January 23, 2023	April 14, 2023	Electronics and Communication Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ee73	All Degree Programs
Analog Circuits And Systems Through SPICE Simulation	Prof. Mrigank Sharad	3	January 23, 2023	April 14, 2023	Electronics and Communication Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ee74	All Degree Programs
Spread Spectrum Communications And Jamming	Prof. Debarati Sen	3	January 23, 2023	April 14, 2023	Electronics and Communication Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ee75	All Degree Programs
Computer Aided Decision Systems - Industrial practices using Big Analytics	Prof. Deepu Philip Prof. Amandeep Singh Oberoi	3	January 23, 2023	April 14, 2023	Engineering / Science / Management	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_hs03	All Degree Programs
Geographic Information System	Prof. Bharath H Aithal	3	January 23, 2023	April 14, 2023	Engineering Design	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_de08	All Degree Programs
Petroleum Economics and Management	Prof. Anwesha Aditya	3	January 23, 2023	April 14, 2023	Humanities & Social Sciences	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_hs04	All Degree Programs
The Science of Happiness and Wellbeing	Prof. Priyadarshi Patnaik Prof. Manas K Mandal	2	February 20, 2023	April 14, 2023	Humanities and Social Science	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_hs06	All Degree Programs

Great Experiments In Psychology	Prof. Rajlakshmi Guha	1	January 23, 2023	February 17, 2023	Humanities and Social Science	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_hs07	All Degree Programs
Technology Transfer Through Joint Venture	Prof. Indrajit Dube	1	February 20, 2023	March 17, 2023	Humanities and Social Science	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_hs08	All Degree Programs
Legal Compliance For Incorporating Startup	Prof. Indrajit Dube	1	February 20, 2023	March 17, 2023	Humanities and Social Science	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_hs09	All Degree Programs
Soft Skill Development	Prof. Priyadarshi Patnaik Prof. V. N. Giri Prof. D. Suar	2	January 23, 2023	March 17, 2023	Humanities and Social Science	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_hs10	All Degree Programs
Emotional Intelligence	Prof. Rabindra Kumar Pradhan	2	January 23, 2023	March 17, 2023	Humanities and Social Science	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_hs11	All Degree Programs
Strategic Performance Management	Prof. Kbl Srivastava	2	February 20, 2023	April 14, 2023	Humanities and Social Science	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_hs12	All Degree Programs
Speaking Effectively	Prof. Anjali Gera Roy	2	January 23, 2023	March 17, 2023	Humanities and Social Science	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_hs13	All Degree Programs
Advanced Level of Spoken Sanskrit	Prof. Anuradha Choudry	2	January 23, 2023	March 17, 2023	Humanities and Social Science	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_hs14	All Degree Programs
Introduction On Intellectual Property To Engineers And Technologists	Prof. Tapas Kumar Bandyopadhyay	2	February 20, 2023	April 14, 2023	Humanities and Social Science	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_hs15	All Degree Programs
Elements of Literature and Creative Communication	Prof. H S Komalesha	3	January 23, 2023	April 14, 2023	HUMANITIES and Social Science	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_hs16	All Degree Programs
Education for Sustainable Development	Prof. Atasi Mohanty	3	January 23, 2023	April 14, 2023	humanities and Social Science	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_hs17	All Degree Programs

Training and Development	Prof. Susmita Mukhopadyay Prof. S. Srinivasan	3	January 23, 2023	April 14, 2023	humanities and Social Science	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_hs18	All Degree Programs
Effective Writing	Prof. Binod Mishra	1	January 23, 2023	February 17, 2023	Humanities and Social Sciences	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_hs19	All Degree Programs
The Nineteenth - Century English Novel	Prof. A. Divya	3	January 23, 2023	April 14, 2023	Humanities and Social Sciences	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_hs20	All Degree Programs
Basics of language Science	Prof. Rajesh Kumar	3	January 23, 2023	April 14, 2023	Humanities and Social Sciences	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_hs21	All Degree Programs
English Literature of the Romantic Period, 1798-1832	Prof. Pramod K Nayar	2	January 23, 2023	March 17, 2023	Humanities and Social Sciences	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_hs22	All Degree Programs
Feminism : Concepts and Theories	Prof. Mathangi Krishnamurthy	3	January 23, 2023	April 14, 2023	Humanities and Social Sciences	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_hs23	All Degree Programs
Language and Mind	Prof. Rajesh Kumar	2	February 20, 2023	April 14, 2023	Humanities and Social Sciences	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_hs24	All Degree Programs
Health Research Fundamentals	Prof. P. Manickam	2	January 23, 2023	March 17, 2023	Humanities and Social Sciences	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_hs25	All Degree Programs
Patent Law for Engineers and Scientists	Prof. Feroz Ali	3	January 23, 2023	April 14, 2023	Humanities and Social Sciences	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_hs26	All Degree Programs
German - I	Prof. Milind Brahme	3	January 23, 2023	April 14, 2023	Humanities and Social Sciences	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_hs27	All Degree Programs
German - II	Prof. Milind Brahme	3	January 23, 2023	April 14, 2023	Humanities and Social Sciences	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_hs28	All Degree Programs

German - III	Prof. Milind Brahme	3	January 23, 2023	April 14, 2023	Humanities and Social Sciences	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_hs29	All Degree Programs
Enhancing Soft Skills and Personality	Prof. T. Ravichandran	2	February 20, 2023	April 14, 2023	Humanities and Social Sciences	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_hs30	All Degree Programs
Literature, Culture and Media	Prof. Rashmi Gaur	3	January 23, 2023	April 14, 2023	Humanities and Social Sciences	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_hs31	All Degree Programs
Development of Sociology in India	Prof. Ashish Saxena	1	January 23, 2023	February 17, 2023	Humanities and Social Sciences	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_hs32	All Degree Programs
Introduction to Modern Indian Drama	Prof. Kiran Keshavamurthy	2	February 20, 2023	April 14, 2023	Humanities and Social Sciences	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_hs33	All Degree Programs
Introduction to Political Theory	Prof. Mithilesh Kumar Jha	3	January 23, 2023	April 14, 2023	Humanities and Social Sciences	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_hs34	All Degree Programs
Introduction to Modern Indian Political Thought	Prof. Mithilesh Kumar Jha	3	January 23, 2023	April 14, 2023	Humanities and Social Sciences	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_hs35	All Degree Programs
Economic Growth and Development	Prof. Rajshree Bedamatta	2	January 23, 2023	March 17, 2023	Humanities and Social Sciences	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_hs36	All Degree Programs
Human Behaviour	Prof. Naveen Kashyap	2	February 20, 2023	April 14, 2023	Humanities and Social Sciences	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_hs37	All Degree Programs
Introduction to Cognitive Psychology	Prof. Naveen Kashyap	3	January 23, 2023	April 14, 2023	Humanities and Social Sciences	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_hs38	All Degree Programs
Introduction to Psychology	Prof. Braj Bhushan	2	January 23, 2023	March 17, 2023	Humanities and Social Sciences	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_hs39	All Degree Programs

Introduction to Environmental Economics	Prof. Diptimayee Nayak Prof. S. P. Singh	3	January 23, 2023	April 14, 2023	Humanities and Social Sciences	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_hs40	All Degree Programs
Psychiatry - An Overview and How the Brain Creates Mind	Prof. Alok Bajpai	2	February 20, 2023	April 14, 2023	Humanities and Social Sciences	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_hs41	All Degree Programs
Sociological Perspectives on Modernity	Prof. Sambit Mallick	3	January 23, 2023	April 14, 2023	Humanities and Social Sciences	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_hs42	All Degree Programs
Patent Drafting for Beginners	Prof. Feroz Ali	1	January 23, 2023	February 17, 2023	Humanities and Social Sciences	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_hs43	All Degree Programs
An Introduction to Microeconomics	Prof. Vimal Kumar	3	January 23, 2023	April 14, 2023	Humanities and Social Sciences	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_hs44	All Degree Programs
Literature and Coping Skills	Prof. Ajit K Mishra	2	February 20, 2023	April 14, 2023	Humanities and Social Sciences	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_hs45	All Degree Programs
Globalization: Theoretical Perspectives	Prof. R. Santhosh	3	January 23, 2023	April 14, 2023	Humanities and Social Sciences	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_hs46	All Degree Programs
Towards an Ethical Digital Society: From Theory to Practice	Prof. Bidisha Chaudhuri	1	February 20, 2023	March 17, 2023	Humanities and Social Sciences	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_hs47	All Degree Programs
Introduction to World Literature	Prof. Merin Simi Raj	3	January 23, 2023	April 14, 2023	Humanities and Social Sciences	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_hs48	All Degree Programs
Indian Fiction in English	Prof. Merin Simi Raj	3	January 23, 2023	April 14, 2023	Humanities and Social Sciences	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_hs49	All Degree Programs
Twentieth Century Fiction	Prof. Avishek Parui	3	January 23, 2023	April 14, 2023	Humanities and Social Sciences	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_hs50	All Degree Programs

Introduction to Cultural Studies	Prof. Avishek Parui	3	January 23, 2023	April 14, 2023	Humanities and Social Sciences	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_hs51	All Degree Programs
English Language for Competitive Exams	Prof. Aysha Iqbal	3	January 23, 2023	April 14, 2023	Humanities and Social Sciences	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_hs52	All Degree Programs
American Literature & Culture	Prof. Aysha Iqbal	3	January 23, 2023	April 14, 2023	Humanities and Social Sciences	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_hs53	All Degree Programs
Modern Indian Writing in Translation	Prof. Divya	3	January 23, 2023	April 14, 2023	Humanities and Social Sciences	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_hs54	All Degree Programs
Intellectual Property	Prof. Feroz Ali	3	January 23, 2023	April 14, 2023	Humanities and Social Sciences	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_hs55	All Degree Programs
Indian Feminisms: Concepts and Issues	Prof. Anandita Pan	1	February 20, 2023	March 17, 2023	Humanities and Social Sciences	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_hs56	All Degree Programs
United Nations Sustainable Development Goals (UN SDGs)	Prof. Shiva Ji	3	January 23, 2023	April 14, 2023	Humanities and Social Sciences	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_hs57	All Degree Programs
Literature and Life	Prof. S P Dhanavel	3	January 23, 2023	April 14, 2023	Humanities and Social Sciences	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_hs58	All Degree Programs
Appreciating Hindustani Music	Prof. Lakshmi Sreeram Prof. Srijan Deshpande	2	February 20, 2023	April 14, 2023	Humanities and social sciences	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_hs59	All Degree Programs
Introduction to Pāṇinian grammar	Prof. Malhar Kulkarni	3	January 23, 2023	April 14, 2023	Humanities and social sciences	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_hs60	All Degree Programs
Narrative Mode and Fiction	Prof. Sarbani Banerjee	3	January 23, 2023	April 14, 2023	Humanities and Social Sciences	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_hs61	All Degree Programs

Group Dynamics	Prof. Pooja Garg	2	February 20, 2023	April 14, 2023	Humanities and Social Sciences	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_hs62	All Degree Programs
Indian Poetry in English	Prof. Binod Mishra	2	February 20, 2023	April 14, 2023	Humanities and Social Sciences	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_hs63	All Degree Programs
Contextualizing Gender	Prof. Rashmi Gaur	3	January 23, 2023	April 14, 2023	Humanities and Social Sciences	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_hs64	All Degree Programs
समास samāsa in Pāṇinian grammar- I	Prof. Malhar Kulkarni	3	January 23, 2023	April 14, 2023	Humanities and Social Sciences	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_hs65	All Degree Programs
Bilingualism: A cognitive and psycholinguistic perspective	Prof. Bidisha Som	2	February 20, 2023	April 14, 2023	Humanities and Social Sciences	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_hs66	All Degree Programs
Exploring Survey Data on Health Care	Prof. Pratap C. Mohanty	2	February 20, 2023	April 14, 2023	Humanities and Social Sciences	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_hs67	All Degree Programs
Learning English in Hindi	Prof. Rajesh Kumar	2	February 20, 2023	April 14, 2023	Humanities and Social Sciences	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_hs68	All Degree Programs
Energy Resources, Economics and Environment	Prof. Rangan Banerjee	3	January 23, 2023	April 14, 2023	Humanities and Social Sciences	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_hs69	All Degree Programs
Language, Culture and Cognition: An Introduction	Prof. Bidisha Som	2	February 20, 2023	April 14, 2023	Humanities and Social Sciences	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_hs70	All Degree Programs
Psychology of Stress, Health and Well-being	Prof. Dilwar Hussain	3	January 23, 2023	April 14, 2023	Humanities and Social Sciences	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_hs71	All Degree Programs
Phonetics and Phonology: A broad overview	Prof. Shakuntala Mahanta	2	January 23, 2023	March 17, 2023	Humanities and Social Sciences	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_hs72	All Degree Programs

Philosophical Foundations of Social Research	Prof. Sambit Mallick	2	January 23, 2023	March 17, 2023	Humanities and Social Sciences	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_hs73	All Degree Programs
Japani Bhasha - Saral swaroop(Japanese course taught in hindi)	Prof. Vatsala Misra	3	January 23, 2023	April 14, 2023	Humanities and Social Sciences	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_hs76	All Degree Programs
Introduction To Brain & Behaviour	Prof. Ark Verma	2	January 23, 2023	March 17, 2023	Humanities and Social Sciences	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_hs77	All Degree Programs
IP Management & Technology Transfer	Prof. Gouri Gargate	2	February 20, 2023	April 14, 2023	Law	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_lw01	All Degree Programs
Technology Forecasting for strategic decision making - An Introduction	Prof. Dmitry Kucharavy Prof. Bala Ramadurai	1	January 23, 2023	February 17, 2023	Management	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_mg04	All Degree Programs
Data Analysis and Decision Making - I	Prof. Raghu Nandan Sengupta	3	January 23, 2023	April 14, 2023	Management	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_mg05	All Degree Programs
Total Quality Management - I	Prof. Raghu Nandan Sengupta	2	February 20, 2023	April 14, 2023	Management	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_mg06	All Degree Programs
Management of Field Sales	Prof. Jayanta Chatterjee	1	January 23, 2023	February 17, 2023	Management	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_mg07	All Degree Programs
Marketing Management - II	Prof. Jayanta Chatterjee Prof. Shashi Shekhar Mishra	2	February 20, 2023	April 14, 2023	Management	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_mg08	All Degree Programs
Introduction to Operations Research	Prof. G. Srinivasan	2	February 20, 2023	April 14, 2023	Management	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_mg09	All Degree Programs
Introduction to probability and Statistics	Prof. G. Srinivasan	1	January 23, 2023	February 17, 2023	Management	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_mg10	All Degree Programs

Design Thinking - A Primer	Prof. Ashwin Mahalingam Prof. Bala Ramadurai	1	January 23, 2023	February 17, 2023	Management	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_mg11	All Degree Programs
Financial Statement Analysis and Reporting	Prof. Anil K. Sharma	3	January 23, 2023	April 14, 2023	Management	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_mg12	All Degree Programs
Financial Management For Managers	Prof. Anil K. Sharma	3	January 23, 2023	April 14, 2023	Management	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_mg13	All Degree Programs
Business analytics and data mining Modeling using R	Prof. Gaurav Dixit	3	January 23, 2023	April 14, 2023	Management	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_mg14	All Degree Programs
MCDM Techniques Using R	Prof. Gaurav Dixit	1	January 23, 2023	February 17, 2023	Management	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_mg15	All Degree Programs
Supply Chain Analytics	Prof. Rajat Agrawal	2	February 20, 2023	April 14, 2023	Management	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_mg16	All Degree Programs
Production and Operation Management	Prof. Rajat Agrawal	3	January 23, 2023	April 14, 2023	Management	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_mg17	All Degree Programs
Simulation of Business Systems: An Applied Approach	Prof. Deepu Philip	2	January 23, 2023	March 17, 2023	Management	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_mg18	All Degree Programs
Systems Engineering: Theory & Practice	Prof. Deepu Philip	2	January 23, 2023	March 17, 2023	Management	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_mg19	All Degree Programs
Introduction to Stochastic Processes	Prof. Manjesh Hanawal	3	January 23, 2023	April 14, 2023	Management	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_mg20	All Degree Programs
Marketing Research and Analysis-II	Prof. J. K. Nayak	3	January 23, 2023	April 14, 2023	Management	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_mg21	All Degree Programs

Business Statistics	Prof. Mukesh Kumar Barua	3	January 23, 2023	April 14, 2023	Management	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_mg22	All Degree Programs
Global Marketing Management	Prof. Zillur Rahman	3	January 23, 2023	April 14, 2023	Management	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_mg23	All Degree Programs
Integrated Marketing Management	Prof. R. Srinivasan	2	January 23, 2023	March 17, 2023	Management	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_mg24	All Degree Programs
Infrastructure Economics	Prof. Nalin Bharti	2	January 23, 2023	March 17, 2023	Management	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_mg25	All Degree Programs
Leadership for India Inc: Practical Concepts and Constructs	Prof. C Bhaktavatsala Rao	3	January 23, 2023	April 14, 2023	Management	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_mg26	All Degree Programs
Decision making with spreadsheet	Prof. A. Ramesh	3	January 23, 2023	April 14, 2023	Management	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_mg27	All Degree Programs
Leadership and Team Effectiveness	Prof. Santosh Rangnekar	3	January 23, 2023	April 14, 2023	Management	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_mg28	All Degree Programs
Talent Acquisition and Management	Prof. Santosh Rangnekar	3	January 23, 2023	April 14, 2023	Management	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_mg29	All Degree Programs
International Business	Prof. Jogendra Kumar Nayak	3	January 23, 2023	April 14, 2023	Management	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_mg30	All Degree Programs
Organization Theory/Structure and Design	Prof. Zillur Rahman	2	January 23, 2023	March 17, 2023	Management	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_mg31	All Degree Programs
Integrated Marketing Communication	Prof. Vinay Sharma	3	January 23, 2023	April 14, 2023	Management	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_mg32	All Degree Programs

Principles of Management	Prof. Usha Lenka	3	January 23, 2023	April 14, 2023	Management	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_mg33	All Degree Programs
Financial Derivatives & Risk Management	Prof. J. P. Singh	3	January 23, 2023	April 14, 2023	Management	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_mg34	All Degree Programs
Services Marketing: A Practical Approach	Prof. Biplab Datta	1	January 23, 2023	February 17, 2023	Management	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_mg35	All Degree Programs
Managing Change In Organizations	Prof. Kbl Srivastava	2	January 23, 2023	March 17, 2023	Management	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_mg37	All Degree Programs
Behavioral And Personal Finance	Prof. Abhijeet Chandra	2	January 23, 2023	March 17, 2023	Management	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_mg38	All Degree Programs
International Marketing	Prof. Biswarup Ghosh	2	February 20, 2023	April 14, 2023	Management	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_mg39	All Degree Programs
Business Law for Managers	Prof. S Srinivasan Prof. Kaushik Mukherjee	2	January 23, 2023	March 17, 2023	Management	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_mg40	All Degree Programs
Ethics In Engineering Practice	Prof. Susmita Mukhopadhyay	2	February 20, 2023	April 14, 2023	Management	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_mg41	All Degree Programs
Retail Management	Prof. Swagato Chatterjee	2	January 23, 2023	March 17, 2023	Management	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_mg42	All Degree Programs
Foundation Course In Managerial Economics	Prof. Barnali Nag	2	January 23, 2023	March 17, 2023	Management	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_mg43	All Degree Programs
Sales And Distribution Management	Prof. Sangeeta Sahney	2	February 20, 2023	April 14, 2023	Management	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_mg44	All Degree Programs

Consumer Behaviour	Prof. Srabanti Mukherjee	2	January 23, 2023	March 17, 2023	Management	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_mg45	All Degree Programs
Financial Institutions And Markets	Prof. Jitendra Mahakud	3	January 23, 2023	April 14, 2023	Management	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_mg46	All Degree Programs
Management Of Commercial Banking	Prof. Jitendra Mahakud	3	January 23, 2023	April 14, 2023	Management	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_mg47	All Degree Programs
Safety and Risk Analytics	Prof. Jhareswar Maiti	3	January 23, 2023	April 14, 2023	Management	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_mg48	All Degree Programs
E-Business	Prof. Mamata Jenamani	3	January 23, 2023	April 14, 2023	Management	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_mg49	All Degree Programs
Management Of Inventory Systems	Prof. Pradip Kumar Ray	3	January 23, 2023	April 14, 2023	Management	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_mg50	All Degree Programs
Quality Design And Control	Prof. Pradip Kumar Ray	3	January 23, 2023	April 14, 2023	Management	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_mg51	All Degree Programs
Six Sigma	Prof. Jitesh J Thakkar	3	January 23, 2023	April 14, 2023	Management	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_mg52	All Degree Programs
Modelling And Analytics For Supply Chain Management	Prof. Kunal Kanti Ghosh Prof. Anupam Ghosh	3	January 23, 2023	April 14, 2023	Management	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_mg53	All Degree Programs
Business Analytics For Management Decision	Prof. Rudra P Pradhan	3	January 23, 2023	April 14, 2023	Management	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_mg54	All Degree Programs
Marketing Analytics	Prof. Swagato Chatterjee	3	January 23, 2023	April 14, 2023	Management	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_mg55	All Degree Programs

Engineering Econometrics	Prof. Rudra P Pradhan	3	January 23, 2023	April 14, 2023	Management	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_mg56	All Degree Programs
Organizational Design Change and Transformation	Prof. Susmita Mukhopadhyay Prof. Sangeeta Sahney Prof. S. Srinivasan	3	January 23, 2023	April 14, 2023	Management	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_mg57	All Degree Programs
Mergers, Acquisitions and Corporate Restructuring	Prof. Chandra Sekhar Mishra	2	February 20, 2023	April 14, 2023	Management	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_mg58	All Degree Programs
Quality Control and Improvement with MINITAB	Prof. Indrajit Mukherjee	2	February 20, 2023	April 14, 2023	Management	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_mg59	All Degree Programs
Introduction to System Dynamics Modeling	Prof. Jayendran Venkateswaran	2	January 23, 2023	March 17, 2023	Management	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_mg60	All Degree Programs
Business Development: From Start to Scale	Prof. C Bhaktavatsala Rao	3	January 23, 2023	April 14, 2023	Management	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_mg61	All Degree Programs
Investment Management	Prof. Abhijeet Chandra	2	February 20, 2023	April 14, 2023	Management	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_mg62	All Degree Programs
Artificial Intelligence (AI) for Investments	Prof. Abhinava Tripathi	3	January 23, 2023	April 14, 2023	Management	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_mg63	All Degree Programs
Advances in Strategic Human Resource Management (HRM)	Prof. Ashish Pandey	1	February 20, 2023	March 17, 2023	Management	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_mg64	All Degree Programs
Financial accounting	Prof. Puran Singh	3	January 23, 2023	April 14, 2023	Management	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_mg65	All Degree Programs
Yoga and Positive Psychology for Managing Career and Life	Prof. Ashish Pandey	2	February 20, 2023	April 14, 2023	Management, Psychology, Human Values	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_hs74	All Degree Programs

Corrosion Protection Methods	Prof. Kallol Mondal	2	February 20, 2023	April 14, 2023	Materials Science & Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_mm01	All Degree Programs
Graph Theory	Prof. Soumen Maity	2	January 23, 2023	March 17, 2023	Mathematics	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ma01	All Degree Programs
Introduction To Rings And Fields	Prof. Krishna Hanumantha	2	January 23, 2023	March 17, 2023	Mathematics	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ma02	All Degree Programs
Linear Algebra	Prof. Pranav Haridas	3	January 23, 2023	April 14, 2023	Mathematics	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ma03	All Degree Programs
Probabilistic Methods in PDE	Prof. Anindya Goswami	3	January 23, 2023	April 14, 2023	Mathematics	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ma04	All Degree Programs
Numerical Linear Algebra	Prof. P. N. Agarawal Prof. D. N. Pandey	3	January 23, 2023	April 14, 2023	Mathematics	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ma05	All Degree Programs
Ordinary and Partial Differential Equations and Applications	Prof. P. N. Agrawal Prof. D. N. Pandey	3	January 23, 2023	April 14, 2023	Mathematics	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ma06	All Degree Programs
Basic Linear Algebra	Prof. I.K.Rana	2	February 20, 2023	April 14, 2023	Mathematics	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ma07	All Degree Programs
Basic Real Analysis	Prof. I. K. Rana	3	January 23, 2023	April 14, 2023	Mathematics	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ma08	All Degree Programs
Multivariable calculus	Prof. S. K. Gupta Prof. Sanjeev Kumar	2	January 23, 2023	March 17, 2023	Mathematics	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ma09	All Degree Programs
Mathematical Modelling: Analysis and Applications	Prof. Ameeya Kumar Nayak	1	January 23, 2023	February 17, 2023	Mathematics	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ma10	All Degree Programs

Numerical Methods: Finite difference approach	Prof. Ameeya Kumar Nayak	1	January 23, 2023	February 17, 2023	Mathematics	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ma11	All Degree Programs
Introduction to Galois Theory	Prof. Krishna Hanumanthu	2	January 23, 2023	March 17, 2023	Mathematics	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ma12	All Degree Programs
Basic Calculus - 1	Prof. Arindama Singh	3	January 23, 2023	April 14, 2023	Mathematics	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ma13	All Degree Programs
Algebra - II	Prof. S. Viswanath Prof. Amritanshu Prasad	3	January 23, 2023	April 14, 2023	Mathematics	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ma14	All Degree Programs
Functional Analysis	Prof. Kesavan	3	January 23, 2023	April 14, 2023	Mathematics	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ma15	All Degree Programs
Computational Mathematics with SageMath	Prof. Ajit Kumar	3	January 23, 2023	April 14, 2023	Mathematics	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ma16	All Degree Programs
Advanced Linear Algebra	Prof. Premananda Bera	3	January 23, 2023	April 14, 2023	Mathematics	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ma17	All Degree Programs
Dynamical System and Control	Prof. N. Sukavanam Prof. D. N. Pandey	3	January 23, 2023	April 14, 2023	Mathematics	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ma18	All Degree Programs
Algebraic Combinatorics	Prof. Amritanshu Prasad Prof. Sankaran Viswanath	3	January 23, 2023	April 14, 2023	Mathematics	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ma19	All Degree Programs
An introduction to Point-Set-Topology Part-I	Prof. Anant R Shastri	3	January 23, 2023	April 14, 2023	Mathematics	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ma20	All Degree Programs
C* algebras and spectral theorem	Prof. E K Narayanan	2	February 20, 2023	April 14, 2023	Mathematics	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ma21	All Degree Programs

Fourier Analysis and its applications	Prof. G. K Srinivasan	3	January 23, 2023	April 14, 2023	Mathematics	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ma22	All Degree Programs
Partial Differential Equations (PDE) For Engineers: Solution By Separation Of Variables	Prof. Sirshendu De	1	January 23, 2023	February 17, 2023	Mathematics	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ma23	All Degree Programs
Probability And Statistics	Prof. Somesh Kumar	3	January 23, 2023	April 14, 2023	Mathematics	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ma24	All Degree Programs
Engineering Mathematics II	Prof. Jitendra Kumar	3	January 23, 2023	April 14, 2023	Mathematics	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ma25	All Degree Programs
Applied Multivariate Statistical Modeling	Prof. Jhareswar Maiti	3	January 23, 2023	April 14, 2023	Mathematics	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ma26	All Degree Programs
Integral And Vector Calculus	Prof. Hari Shankar Mahato	3	January 23, 2023	April 14, 2023	Mathematics	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ma27	All Degree Programs
Statistical Inference - IITKGP	Prof. Somesh Kumar	3	January 23, 2023	April 14, 2023	Mathematics	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ma28	All Degree Programs
Constrained And Unconstrained Optimization	Prof. A. Goswami Prof. Debjani Chakraborty	3	January 23, 2023	April 14, 2023	Mathematics	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ma29	All Degree Programs
Advanced Computational Techniques	Prof. Somnath Bhattacharyya	1	February 20, 2023	March 17, 2023	Mathematics	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ma30	All Degree Programs
Applied Linear Algebra in AI and ML	Prof. Swanand Khare	3	January 23, 2023	April 14, 2023	Mathematics	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ma31	All Degree Programs
Advanced Engineering Mathematics	Prof. H S Mahato	3	January 23, 2023	April 14, 2023	Mathematics	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ma33	All Degree Programs

Statistical Inference - IITD	Prof. Niladri Chatterjee	2	January 23, 2023	March 17, 2023	Mathematics	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ma34	All Degree Programs
Advanced Probability Theory	Prof. Niladri Chatterjee	3	January 23, 2023	April 14, 2023	Mathematics	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ma35	All Degree Programs
Scientific Computing using Matlab	Prof. Mani Mehra Prof. Vivek K. Aggarwal	3	January 23, 2023	April 14, 2023	Mathematics	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ma36	All Degree Programs
An Introduction to Hyperbolic Geometry	Prof. Abhijit Pal	3	January 23, 2023	April 14, 2023	Mathematics	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ma37	All Degree Programs
Introduction to Queueing Theory	Prof. N.Selvaraju	3	January 23, 2023	April 14, 2023	Mathematics	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ma38	All Degree Programs
Essentials Of Data Science With R Software - 1: Probability And Statistical Inference	Prof. Shalabh	3	January 23, 2023	April 14, 2023	Mathematics	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ma39	All Degree Programs
Essentials Of Data Science With R Software - 2: Sampling Theory And Linear Regression Analysis	Prof. Shalabh	3	January 23, 2023	April 14, 2023	Mathematics	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ma40	All Degree Programs
First Course on Partial Differential Equations - I	Prof. A. K. Nandakumaran Prof. P. S. Datti	2	January 23, 2023	March 17, 2023	Mathematics	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ma41	All Degree Programs
Variational Calculus and its applications in Control Theory and Nanomechanics	Prof. Sarthok Sircar	3	January 23, 2023	April 14, 2023	Mathematics	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ma42	All Degree Programs
Transform Techniques for Engineers	Prof. Srinivasa Manam	3	January 23, 2023	April 14, 2023	Mathematics	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ma43	All Degree Programs
Numerical Analysis	Prof. S. Baskar	3	January 23, 2023	April 14, 2023	Mathematics	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ma44	All Degree Programs

A Primer to Mathematical Optimization	Prof. Debdas Ghosh	3	January 23, 2023	April 14, 2023	Mathematics	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ma45	All Degree Programs
Predictive Analytics - Regression and Classification	Prof. Sourish Das	3	January 23, 2023	April 14, 2023	Statistics	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ma46	All Degree Programs
Measure Theoretic Probability I	Prof. Suprio Bhar	2	February 20, 2023	April 14, 2023	Mathematics	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ma47/preview	All Degree Programs
Probability –I with Examples Using R	Prof. Siva Athreya	3	January 23, 2023	April 14, 2023	Mathematics	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ma48/preview	All Degree Programs
Machining Science	Prof. Sounak Kumar Choudhury	1	January 23, 2023	February 17, 2023	Mechanical Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_me02	All Degree Programs
Acoustic Materials and Metamaterials	Prof. Sneha Singh	2	January 23, 2023	March 17, 2023	Mechanical Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_me03	All Degree Programs
Computational Fluid Dynamics for Incompressible Flows	Prof. Amaresh Dalal	3	January 23, 2023	April 14, 2023	Mechanical Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_me04	All Degree Programs
Failure analysis and Prevention	Prof. D. K. Dwivedi	2	February 20, 2023	April 14, 2023	Mechanical Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_me05	All Degree Programs
Principles of Industrial Engineering	Prof. D K Dwivedi	3	January 23, 2023	April 14, 2023	Mechanical Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_me06	All Degree Programs
Robotics and Control : Theory and Practice	Prof. N. Sukavanam Prof. M. Felix Orlando	2	January 23, 2023	March 17, 2023	Mechanical Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_me07	All Degree Programs
Steam and Gas Power Systems	Prof. Ravi Kumar	2	February 20, 2023	April 14, 2023	Mechanical Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_me08	All Degree Programs

Mechanical Measurement System	Prof. Ravi Kumar	2	February 20, 2023	April 14, 2023	Mechanical Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_me09	All Degree Programs
Turbulent Combustion: Theory And Modelling	Prof. Ashoke De	3	January 23, 2023	April 14, 2023	Mechanical Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_me10	All Degree Programs
Experimental Stress Analysis	Prof. K. Ramesh	3	January 23, 2023	April 14, 2023	Mechanical Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_me11	All Degree Programs
Fundamentals of combustion for propulsion	Prof. S Varunkumar Prof. H S Mukunda	2	January 23, 2023	March 17, 2023	Mechanical Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_me12	All Degree Programs
Computer Integrated Manufacturing	Prof. J. Ramkumar Prof. Amandeep Singh	3	January 23, 2023	April 14, 2023	Mechanical Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_me13	All Degree Programs
Product Design and Manufacturing	Prof. J.Ramkumar Prof. Amandeep Singh	3	January 23, 2023	April 14, 2023	Mechanical Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_me14	All Degree Programs
Automatic Control	Prof. Anil Kumar	2	January 23, 2023	March 17, 2023	Mechanical Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_me15	All Degree Programs
Mechanics of Machining	Prof. Uday S. Dixit	2	January 23, 2023	March 17, 2023	Mechanical Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_me16	All Degree Programs
Nature and Properties of Materials	Prof. Bishakh Bhattacharya	2	February 20, 2023	April 14, 2023	Mechanical Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_me17	All Degree Programs
Smart Materials and Intelligent System Design	Prof. Bishakh Bhattacharya	1	February 20, 2023	March 17, 2023	Mechanical Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_me18	All Degree Programs
Modelling and Simulation of Dynamic Systems	Prof. Pushparaj Mani Pathak	2	February 20, 2023	April 14, 2023	Mechanical Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_me19	All Degree Programs

Fundamental of Welding Science and Technology	Prof. Pankaj Biswas	2	January 23, 2023	March 17, 2023	Mechanical Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_me20	All Degree Programs
Introduction to Abrasive Machining and Finishing Processes	Prof. Mamilla Ravi Sankar	2	January 23, 2023	March 17, 2023	Mechanical Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_me21	All Degree Programs
Introduction to Machining and Machining Fluids	Prof. Mamilla Ravi Sankar	2	January 23, 2023	March 17, 2023	Mechanical Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_me22	All Degree Programs
Convective Heat Transfer	Prof. Arup Kumar Das	1	February 20, 2023	March 17, 2023	Mechanical Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_me23	All Degree Programs
Two phase flow and heat transfer	Prof. Arup Kumar Das	1	January 23, 2023	February 17, 2023	Mechanical Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_me24	All Degree Programs
Manufacturing Process Technology I & II	Prof. Shantanu Bhattacharya	3	January 23, 2023	April 14, 2023	Mechanical Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_me25	All Degree Programs
Design Practice	Prof. Shantanu Bhattacharya	2	February 20, 2023	April 14, 2023	Mechanical Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_me26	All Degree Programs
Fundamentals of Combustion	Prof. V. Raghavan	3	January 23, 2023	April 14, 2023	Mechanical Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_me27	All Degree Programs
Oil Hydraulics and Pneumatics	Prof. Somashekhar S	3	January 23, 2023	April 14, 2023	Mechanical Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_me28	All Degree Programs
Explosions and Safety	Prof. K. Ramamurthi Prof. Prasad Patnaik Bsv	3	January 23, 2023	April 14, 2023	Mechanical Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_me29	All Degree Programs
Wheeled Mobile Robots	Prof. Asokan Thondiyath Prof. Santhakumar Mohan	2	January 23, 2023	March 17, 2023	Mechanical Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_me30	All Degree Programs

Thermal Engineering: Basic and Applied	Prof. Pranab K. Mondal	3	January 23, 2023	April 14, 2023	Mechanical Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_me31	All Degree Programs
Inverse Methods in Heat Transfer	Prof. Balaji Srinivasan	3	January 23, 2023	April 14, 2023	Mechanical Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_me32	All Degree Programs
Optimization from fundamentals	Prof. Ankur A. Kulkarni	3	January 23, 2023	April 14, 2023	Mechanical Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_me33	All Degree Programs
Optical Methods for Solid and Fluid Mechanics	Prof. Alope Kumar Prof. Koushik Viswanathan	2	February 20, 2023	April 14, 2023	Mechanical Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_me34	All Degree Programs
Ideal fluid flows using complex analysis	Prof. Amit Gupta	1	February 20, 2023	March 17, 2023	Mechanical Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_me35	All Degree Programs
Kinematics Of Mechanisms And Machines	Prof. Anirvan Dasgupta	2	January 23, 2023	March 17, 2023	Mechanical Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_me36	All Degree Programs
Gear And Gear Unit Design: Theory And Practice	Prof. Rathindranath Maiti	2	February 20, 2023	April 14, 2023	Mechanical Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_me37	All Degree Programs
Electronic Packaging And Manufacturing	Prof. Anandaroop Bhattacharya	2	January 23, 2023	March 17, 2023	Mechanical Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_me38	All Degree Programs
Tools In Scientific Computing	Prof. Aditya Bandopadhyay	2	January 23, 2023	March 17, 2023	Mechanical Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_me39	All Degree Programs
Traditional And Non-Traditional Optimization Tools	Prof. Dilip Kumar Pratihari	2	January 23, 2023	March 17, 2023	Mechanical Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_me40	All Degree Programs
Machinery Fault Diagnosis And Signal Processing	Prof. Amiya Ranjan Mohanty	3	January 23, 2023	April 14, 2023	Mechanical Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_me41	All Degree Programs

Introduction To Fluid Mechanics	Prof. Suman Chakraborty	3	January 23, 2023	April 14, 2023	Mechanical Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_me42	All Degree Programs
Introduction To Mechanical Micro Machining	Prof. Ajay M Sidpara	3	January 23, 2023	April 14, 2023	Mechanical Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_me43	All Degree Programs
Manufacturing Guidelines for Product Design	Prof. Inderdeep Singh	2	February 20, 2023	April 14, 2023	Mechanical Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_me44	All Degree Programs
Operations Management	Prof. Inderdeep Singh	3	January 23, 2023	April 14, 2023	Mechanical Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_me45	All Degree Programs
Surface Engineering of Nanomaterials	Prof. Kaushik Pal	2	January 23, 2023	March 17, 2023	Mechanical Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_me46	All Degree Programs
Inspection and Quality Control in Manufacturing	Prof. Kaushik Pal	1	January 23, 2023	February 17, 2023	Mechanical Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_me47	All Degree Programs
Principles of Casting Technology	Prof. P. K. Jha	2	January 23, 2023	March 17, 2023	Mechanical Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_me48	All Degree Programs
Welding Metallurgy	Prof. P. K. Jha	3	January 23, 2023	April 14, 2023	Mechanical Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_me49	All Degree Programs
Mechatronics	Prof. Pushparaj Mani Pathak	2	February 20, 2023	April 14, 2023	Mechanical Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_me50	All Degree Programs
Advanced Robotics	Prof. Ashish Dutta	3	January 23, 2023	April 14, 2023	Mechanical Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_me51	All Degree Programs
Product Engineering and Design Thinking	Prof. Pranab K Dan Prof. Prabir Sarkar	2	February 20, 2023	April 14, 2023	Mechanical Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_me52	All Degree Programs

Fundamentals of Compressible Flow	Prof. Niranjana Sahoo	3	January 23, 2023	April 14, 2023	Mechanical Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_me53	All Degree Programs
Mechanics of Fiber Reinforced Polymer Composite Structures	Prof. Debabrata Chakraborty	3	January 23, 2023	April 14, 2023	Mechanical Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_me54	All Degree Programs
IC Engines and Gas Turbines	Prof. Pranab K. Mondal Prof. Viniyak Kulkarni	3	January 23, 2023	April 14, 2023	Mechanical Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_me55	All Degree Programs
Nonlinear Vibration	Prof. S. K. Dwivedy	3	January 23, 2023	April 14, 2023	Mechanical Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_me56	All Degree Programs
Viscous Fluid Flow	Prof. Amaresh Dalal	3	January 23, 2023	April 14, 2023	Mechanical Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_me57	All Degree Programs
Finite element modeling of welding processes	Prof. Swarup Bag	3	January 23, 2023	April 14, 2023	Mechanical Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_me58	All Degree Programs
Theory of Composite Shells	Prof. Poonam Kumari	2	January 23, 2023	March 17, 2023	Mechanical Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_me59	All Degree Programs
Evolutionary Computation for Single and Multi-Objective Optimization	Prof. Deepak Sharma	2	January 23, 2023	March 17, 2023	Mechanical Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_me60	All Degree Programs
Theory of Rectangular Plates-Part I	Prof. Poonam Kumari	1	February 20, 2023	March 17, 2023	Mechanical Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_me61	All Degree Programs
Manufacturing Automation	Prof. Sounak Kumar Choudhury	1	January 23, 2023	February 17, 2023	Mechanical Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_me62	All Degree Programs
Basics of Finite Element Analysis - II	Prof. Nachiketa Tiwari	2	January 23, 2023	March 17, 2023	Mechanical Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_me63	All Degree Programs

Noise Management & Control	Prof. Nachiketa Tiwari	3	January 23, 2023	April 14, 2023	Mechanical Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_me64	All Degree Programs
Thermodynamics	Prof. S.R. Kale	3	January 23, 2023	April 14, 2023	Mechanical Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_me65	All Degree Programs
Introduction To Uncertainty Analysis And Experimentation	Prof. S.R. Kale	2	January 23, 2023	March 17, 2023	Mechanical Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_me66	All Degree Programs
Robotics: Basics and Selected Advanced Concepts	Prof. Ashitava Ghosal	3	January 23, 2023	April 14, 2023	Mechanical Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_me67	All Degree Programs
Two-Phase Flow With Phase Change In Conventional And Miniature Channels	Prof. Manmohan Pandey	1	February 20, 2023	March 17, 2023	Mechanical Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_me68	All Degree Programs
Statistical Thermodynamics for Engineers	Prof. Saptarshi Basu	3	January 23, 2023	April 14, 2023	Mechanical Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_me69	All Degree Programs
Fundamentals Of Electronic Materials And Devices	Prof. Parasuraman Swaminathan	2	January 23, 2023	March 17, 2023	Metallurgical and Materials Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_mm02	All Degree Programs
Material Characterization	Prof. S. Sankaran	3	January 23, 2023	April 14, 2023	Metallurgical and Materials Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_mm03	All Degree Programs
Steel Quality: Role of Secondary Refining & Continuous Casting	Prof. Santanu Kr. Ray	3	January 23, 2023	April 14, 2023	Metallurgical and Materials Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_mm04	All Degree Programs
Theory and Practice of Non Destructive Testing	Prof. Ranjit Bauri	2	January 23, 2023	March 17, 2023	Metallurgical and Materials Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_mm05	All Degree Programs
Welding Processes	Prof. Murugaiyan Amirthalingam	3	January 23, 2023	April 14, 2023	Metallurgical and Materials Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_mm06	All Degree Programs

Materials Science and Engineering	Prof. Vivek Pancholi	2	January 23, 2023	March 17, 2023	Metallurgical and Materials Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_mm07	All Degree Programs
Properties of Materials (Nature and Properties of Materials : III)	Prof. Ashish Garg	2	February 20, 2023	April 14, 2023	Metallurgical and Materials Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_mm08	All Degree Programs
Dealing with materials data : collection, analysis and interpretation	Prof. M P Gururajan Prof. Hina Gokhale	3	January 23, 2023	April 14, 2023	Metallurgical and Materials Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_mm09	All Degree Programs
Solar Photovoltaics: Principles, Technologies & Materials	Prof. Ashish Garg	2	January 23, 2023	March 17, 2023	Metallurgical and Materials Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_mm10	All Degree Programs
Diffusion in Multicomponent Solids	Prof. Kaustubh Kulkarni	3	January 23, 2023	April 14, 2023	Metallurgical and Materials Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_mm11	All Degree Programs
Defects in Crystalline Solids (Part-II)	Prof. Shashank Shekhar	1	January 23, 2023	February 17, 2023	Metallurgical and Materials Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_mm12	All Degree Programs
Fundamentals of Material Processing - Part 2	Prof. Shashank Shekhar Prof. Anshu Gaur	2	February 20, 2023	April 14, 2023	Metallurgical and Materials Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_mm13	All Degree Programs
Carbon Materials and Manufacturing	Prof. Swati Sharma	3	January 23, 2023	April 14, 2023	Metallurgical and Materials Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_mm14	All Degree Programs
Crystals, Symmetry and Tensors	Prof. Rajesh Prasad	3	January 23, 2023	April 14, 2023	Metallurgical and Materials Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_mm16	All Degree Programs
Cathodic Protection Engineering	Prof. V.S. Raja	1	February 20, 2023	March 17, 2023	Metallurgical and Materials Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_mm17	All Degree Programs
Introduction To Crystal Elasticity And Crystal Plasticity	Prof. Swarup Bag	2	February 20, 2023	April 14, 2023	Metallurgical and Materials Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_mm18	All Degree Programs

Mechanical Behaviour of Materials (Part – I)	Prof. Shashank Shekhar Prof. Sudhanshu Shekhar Singh	3	January 23, 2023	April 14, 2023	Metallurgy and Material Science	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_mm19	All Degree Programs
Scanning Electron / Ion / Probe Microscopy In Materials Characterization	Prof. Debabrata Pradhan	2	February 20, 2023	April 14, 2023	Metallurgy and Mererial Science	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_mm20	All Degree Programs
Surface Engineering For Corrosion And Wear Resistance Application	Prof. Indranil Manna Prof. Jyotsna Dutta Majumdar	3	January 23, 2023	April 14, 2023	Metallurgy and Mererial Science	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_mm21	All Degree Programs
Bulk Material Transport and Handling Systems	Prof. Khanindra Pathak	3	January 23, 2023	April 14, 2023	Metallurgy and Mererial Science	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_mm22	All Degree Programs
Network Analysis For Mines And Mineral Engineering	Prof. Kaushik Dey	1	February 20, 2023	March 17, 2023	Mining Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_mm23	All Degree Programs
Drilling And Blasting Technology	Prof. Kaushik Dey	3	January 23, 2023	April 14, 2023	Mining Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_mm24	All Degree Programs
Mining Machinery	Prof. Khanindra Pathak	3	January 23, 2023	April 14, 2023	Mining Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_mm25	All Degree Programs
NBA Accreditation and Teaching and learning in Engineering (NATE)	Prof. N J Rao Prof. K Rajanikanth	3	January 23, 2023	April 14, 2023	Multidisciplinary	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ge01	All Degree Programs
Designing Learner-Centric MOOCs	Prof. Sameer Sahasrabudhe Prof. Sahana Murthy Prof. Jayakrishnan M.	1	January 23, 2023	February 17, 2023	Multidisciplinary	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ge02	All Degree Programs
Effective Engineering Teaching In Practice	Prof. G. K. Suraiskumar Prof. Edamana Prasad Prof. Richa Verma	1	January 23, 2023	February 17, 2023	Multidisciplinary	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ge03	All Degree Programs
Non-conventional energy Resources	Prof. Prathap Haridoss	3	January 23, 2023	April 14, 2023	Multidisciplinary	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ge04	All Degree Programs

Introduction to Research	Prof. Edamana Prasad Prof. Prathap Haridoss	2	February 20, 2023	April 14, 2023	Multidisciplinary	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ge05	All Degree Programs
Research Methodology in Natural Sciences	Prof. Soumitro Banerjee	3	January 23, 2023	April 14, 2023	Multidisciplinary	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ge06	All Degree Programs
One Health	Multi Faculty	3	January 23, 2023	April 14, 2023	Multidisciplinary	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ge07	All Degree Programs
Foundation Certificate In Palliative Care	Prof. Geeta Joshi Prof. Piyush Gupta	3	January 23, 2023	April 14, 2023	Multidisciplinary	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ge08	All Degree Programs
Management of Medical Emergencies in Dental Practice	Multi Faculty	2	February 20, 2023	April 14, 2023	Multidisciplinary	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ge09	All Degree Programs
Basic Course in Ornithology	Prof. Manjari Jain Prof. R Jayapal Prof. Anand Krishnan Prof. Suhel Quader	3	January 23, 2023	April 14, 2023	Multidisciplinary	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ge10	All Degree Programs
Oral Biology	Prof. Ramya And Team	2	January 23, 2023	March 17, 2023	Multidisciplinary	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ge11	All Degree Programs
Rural Water Resources Management	Prof. Pennan Chinnasamy	3	January 23, 2023	April 14, 2023	Multidisciplinary	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ge12	All Degree Programs
Groundwater hydrology and management	Prof. Pennan Chinnasamy	3	January 23, 2023	April 14, 2023	Multidisciplinary	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ge13	All Degree Programs
Outcome Based Pedagogic Principles For Effective Teaching	Prof. Shyamal Kumar Das Mandal	1	February 20, 2023	March 17, 2023	Multidisciplinary	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ge14	All Degree Programs
Fuzzy Logic And Neural Networks	Prof. Dilip Kumar Pratihari	2	February 20, 2023	April 14, 2023	Multidisciplinary	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ge15	All Degree Programs

Entrepreneurship Essentials	Prof. Manoj Kumar Mondal	3	January 23, 2023	April 14, 2023	Multidisciplinary	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ge16	All Degree Programs
Introduction To Environmental Engineering And Science - Fundamental And Sustainability Concepts	Prof. Brajesh K Dubey	3	January 23, 2023	April 14, 2023	Multidisciplinary	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ge17	All Degree Programs
Biophotonics	Prof. Basudev Lahiri	3	January 23, 2023	April 14, 2023	Multidisciplinary	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ge18	All Degree Programs
Basics of Mental Health & Clinical Psychiatry	Prof. Arijita Banerjee Prof. Sumit Kumar	2	February 20, 2023	April 14, 2023	Multidisciplinary	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ge19	All Degree Programs
Introduction to Reliability Engineering	Prof. Neeraj Kumar Goyal	2	February 20, 2023	April 14, 2023	Multidisciplinary	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ge20	All Degree Programs
Nanobio Technology Enabled Point-of-Care Devices	Prof. Gorachand Dutta	2	February 20, 2023	April 14, 2023	Multidisciplinary	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ge21	All Degree Programs
Roadmap for patent creation	Prof. Gouri Gargate	2	January 23, 2023	March 17, 2023	Multidisciplinary	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ge22	All Degree Programs
Fundamental of Fluid Mechanics for Chemical and Biomedical Engineers	Prof. Raghvendra Gupta	3	January 23, 2023	April 14, 2023	Multidisciplinary	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ge23	All Degree Programs
Teaching And Learning in Engineering (TALE)	Prof. N J Rao	1	January 23, 2023	February 17, 2023	Multidisciplinary	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ge24	All Degree Programs
Engineering Statistics	Prof. Manjesh Hanawal	3	January 23, 2023	April 14, 2023	Multidisciplinary	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ge25	All Degree Programs
Offshore Structures Under Special Environmental Loads Including Fire Resistance	Prof. Srinivasan Chandrasekaran	3	January 23, 2023	April 14, 2023	Ocean Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_oe01	All Degree Programs

Mathematical Methods in Physics 1	Prof. Auditya Sharma	2	February 20, 2023	April 14, 2023	Physics	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ph01	All Degree Programs
Physics through Computational Thinking	Prof. Auditya Sharma	2	February 20, 2023	April 14, 2023	Physics	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ph02	All Degree Programs
Physics of Biological Systems	Prof. Mithun Mitra	3	January 23, 2023	April 14, 2023	Physics	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ph03	All Degree Programs
Quantum Mechanics I	Prof. Ramadevi	3	January 23, 2023	April 14, 2023	Physics	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ph04	All Degree Programs
Group Theory methods in Physics	Prof. P. Ramadevi	3	January 23, 2023	April 14, 2023	Physics	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ph05	All Degree Programs
A brief course on Superconductivity	Prof. Saurabh Basu	1	January 23, 2023	February 17, 2023	Physics	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ph06	All Degree Programs
Advanced Condensed Matter Physics	Prof. Saurabh Basu	2	January 23, 2023	March 17, 2023	Physics	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_ph07	All Degree Programs
Introduction to Atmospheric and Space Sciences	Prof. M V Sunil Krishna	3	January 23, 2023	April 14, 2023	Physics	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ph08	All Degree Programs
Fluid Dynamics for Astrophysics	Prof. Prasad Subramanian	3	January 23, 2023	April 14, 2023	Physics	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ph09	All Degree Programs
Quantum Transport	Prof. Madhu Thalakulam	3	January 23, 2023	April 14, 2023	Physics	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ph10	All Degree Programs
Statistical Mechanics	Prof. Dipanjan Chakraborty	3	January 23, 2023	April 14, 2023	Physics	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ph11	All Degree Programs

Introduction to Quantum Field Theory (Theory of Scalar Fields) - Part 2	Prof. Anurag Tripathi	3	January 23, 2023	April 14, 2023	Physics	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ph14	All Degree Programs
Thermal Physics	Prof. Debamalya Banerjee	3	January 23, 2023	April 14, 2023	Physics	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ph15	All Degree Programs
Atomic And Molecular Physics	Prof. Amal Kumar Das	3	January 23, 2023	April 14, 2023	Physics	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ph16	All Degree Programs
Experimental Physics - II	Prof. Amal Kumar Das	3	January 23, 2023	April 14, 2023	Physics	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ph17	All Degree Programs
Electronic Theory Of Solids	Prof. Arghya Taraphder	3	January 23, 2023	April 14, 2023	Physics	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ph18	All Degree Programs
Physics of Linear And Nonlinear Optical Waveguides	Prof. Samudra Roy	3	January 23, 2023	April 14, 2023	Physics	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ph19	All Degree Programs
Advanced Atmospheric Physics	Prof. M V Sunil Krishna	3	January 23, 2023	April 14, 2023	Physics	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ph20	All Degree Programs
Nuclear Astrophysics	Prof. Anil Kumar Gourishetty	2	February 20, 2023	April 14, 2023	Physics	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ph21	All Degree Programs
Introduction To Statistical Mechanics	Prof. Girish S. Setlur	2	February 20, 2023	April 14, 2023	Physics	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_ph22	All Degree Programs
Characterization of Polymers, Elastomers and Composites	Prof. Santanu Chattopadhyay	3	January 23, 2023	April 14, 2023	Rubber Technology	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_ch41	All Degree Programs
Evaluation of Textiles Materials	Prof. Apurba Das	3	January 23, 2023	April 14, 2023	Textile Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_te01	All Degree Programs

Testing of Functional and Technical Textiles	Prof. Apurba Das	2	February 20, 2023	April 14, 2023	Textile Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_te02	All Degree Programs
Theory of Yarn Structure	Prof. Dipayan Das	3	January 23, 2023	April 14, 2023	Textile Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_te03	All Degree Programs
Advanced Textile Printing Technology	Prof. Kushal Sen	2	January 23, 2023	March 17, 2023	Textile Engineering	March 26, 2023	https://onlinecourses.nptel.ac.in/noc23_te04	All Degree Programs
Textured Yarn Technology	Prof. Kushal Sen	3	January 23, 2023	April 14, 2023	Textile Engineering	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_te05	All Degree Programs
Textile Product Design and Development	Prof. R Chattopadhyay	3	January 23, 2023	April 14, 2023	Textile Engineering	April 29, 2023	https://onlinecourses.nptel.ac.in/noc23_te06	All Degree Programs
New Spinning Technologies	Prof. R Chattopadhyay	3	January 23, 2023	April 14, 2023	Textile Technology	April 30, 2023	https://onlinecourses.nptel.ac.in/noc23_te07	All Degree Programs