



**JAIDEV EDUCATION SOCIETY'S
J D COLLEGE OF ENGINEERING AND
MANAGEMENT
KATOL ROAD, NAGPUR**
Website: www.jdceem.ac.in E-mail: info@jdceem.ac.in
(An Autonomous Institute, with NAAC "A" Grade)
Affiliated to DBATU, RTMNU & MSBTE Mumbai



VISION

“To be a centre of excellence imparting Professional education satisfying societal and global needs.


MISSION

1. Transforming students into lifelong learners through quality teaching training and exposure concurrent technologies.
2. Fostering conducive atmosphere for research and development through well-equipped laboratories and qualified personnel in collaboration with global organization

**List of Value Added Courses
Session 2020-21**

Course id	Discipline	Course Name	SME Name	Institute	Duration
noc21-ae01	Aerospace Engineering	Rocket Propulsion	Prof. K. Ramamurthi Prof. V. Nagabhushana Rao	IITM	12 Weeks
noc21-ae02	Aerospace Engineering	Computational Science in Engineering	Prof. Ashoke De	IITK	8 Weeks
noc21-ae03	Aerospace Engineering	Gasdynamics: Fundamentals and Applications	Prof. Srisha Rao M V	IISc	12 Weeks
noc21-ae04	Aerospace Engineering	Aircraft Design	Prof. A. K. Ghosh	IITK	12 Weeks
noc21-ae05	Aerospace Engineering	Introduction to Experiments in Flight	Prof. A. K. Ghosh	IITK	4 Weeks
noc21-ae06	Aerospace Engineering	Introduction to Launch Vehicle Analysis and Design	Prof. Ashok Joshi	IITB	8 Weeks
noc21-ae07	Aerospace engineering	Lighter than Air Systems	Prof. Rajkumar Pant	IITB	12 weeks
noc21-me01	Applied Mechanics	Engineering Mechanics - Statics and Dynamics	Prof. Anubhab Roy	IITM	8 Weeks
noc21-me02	Applied mechanics	Experimental Stress Analysis	Prof. K. Ramesh	IITM	12 Weeks
noc21-ar01	Architecture And Planning	Engineering/Architectural Graphics - part I - Orthographic projection	Prof. Avlokita Agrawal	IITR	8 Weeks
noc21-ar02	Architecture And Planning	Structure, Form, and Architecture : The Synergy	Prof. Shubhjit Sadhukhan	IITR	8 Weeks
noc21-ar03	Architecture And Planning	Sustainable Architecture	Prof. Avlokita Agrawal	IITR	12 Weeks
noc21-ar04	Architecture And Planning	Introduction to History of Architecture in India	Prof. Pushkar Sohoni	IISER Pune	4 Weeks




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noc21-ar05	Architecture And Planning	User Interface Design	Prof. Saptarshi Kolay	IITR	4 Weeks
noc21-bt01	Biotechnology and Bioengineering	Introduction to Professional Scientific Communication	Prof. S. Ganesh	IITK	4 Weeks
noc21-bt02	Biotechnology and Bioengineering	Human Molecular Genetics	Prof. S. Ganesh	IITK	4 Weeks
noc21-bt03	Biotechnology and Bioengineering	Thermodynamics for Biological Systems: Classical and Statistical Aspect	Prof. Suraishkumar G K Prof. Sanjib Senapati	IITM	12 Weeks
noc21-bt04	Biotechnology and Bioengineering	Material and Energy Balances	Prof. Vignesh Muthuvijayan	IITM	12 Weeks
noc21-bt05	Biotechnology and Bioengineering	Bioengineering: An Interface with Biology and Medicine	Prof. Sanjeeva Srivastava	IITB	8 Weeks
noc21-bt06	Biotechnology and Bioengineering	Bioinformatics: Algorithms and Applications	Prof. Michael Gromiha	IITM	12 Weeks
noc21-bt07	Biotechnology and Bioengineering	Biostatistics and Design of experiments	Prof. Mukesh Doble	IITM	8 Weeks
noc21-bt08	Biotechnology and Bioengineering	Medical Biomaterials	Prof. Mukesh Doble	IITM	8 Weeks
noc21-bt09	Biotechnology and Bioengineering	Introductory Mathematical Methods for Biologists	Prof. Ranjit Padinhateeri	IITB	8 Weeks
noc21-bt10	Biotechnology and Bioengineering	Interactomics : Basics & Applications	Prof. Sanjeeva Srivastava	IITB	12 Weeks
noc21-bt11	Biotechnology and Bioengineering	Demystifying The Brain	Prof. Srinivas Chakravarthy	IITM	4 Weeks
noc21-bt12	Biotechnology and Bioengineering	Biointerface Engineering	Prof. Lalit M. Pandey	IITG	8 Weeks
noc21-bt13	Biotechnology and Bioengineering	Bioreactor Design and Analysis	Prof. Smita Srivastava	IITM	8 Weeks
noc21-bt14	Biotechnology and Bioengineering	Structural Biology	Prof. Saugata Hazra	IITR	12 Weeks
noc21-bt15	Biotechnology and Bioengineering	Optical Spectroscopy and Microscopy : Fundamentals of optical measurements and instrumentation	Prof. Balaji Jayaprakash	IISc	12 Weeks
noc21-bt16	Biotechnology and Bioengineering	Computational Systems Biology	Prof. Karthik Raman	IITM	12 Weeks
noc21-bt17	Biotechnology and Bioengineering	Aspects Of Biochemical Engineering	Prof. Debabrata Das	IIT KGP	12 Weeks
noc21-bt18	Biotechnology and Bioengineering	Metabolic Engineering	Prof. Pinaki Sar Prof. Amit Ghosh	IIT KGP	8 Weeks




noc21-bt19	Biotechnology and Bioengineering	Biochemistry - IITM	Prof. Subramaniam K	IITM	12 Weeks
noc21-bt20	Biotechnology and Bioengineering	Forests and their management	Prof. Ankur Awadhiya	IITK	12 Weeks
noc21-bt21	Biotechnology and Bioengineering	Conservation Economics	Prof. Ankur Awadhiya	IITK	12 Weeks
noc21-bt22	Biotechnology and Bioengineering, Civil, Chemical, Mining or Environmental Engineering	Environmental Chemistry and Microbiology	Prof. Anjali Pal Prof. Sudha Goel	IIT KGP	12 Weeks
noc21-cy15	Biotechnology and Bioengineering	Cell Biology: Cellular organization, division and processes	Prof. Shikha Laloraya	IISc	8 Weeks
noc21-ch01	Chemical Engineering	Transport phenomena	Prof. Sunando DasGupta	IIT KGP	12 Weeks
noc21-ch02	Chemical Engineering	Optimization in Chemical Engineering	Prof. Debasis Sarkar	IIT KGP	12 Weeks
noc21-ch03	Chemical Engineering	Transport Processes I: Heat and Mass Transfer	Prof. V. Kumaran	IISc	12 Weeks
noc21-ch04	Chemical Engineering	Process Control - Design, Analysis and Assessment	Prof. Ragunathan Rengasamy	IITM	12 Weeks
noc21-ch05	Chemical Engineering	Computational Fluid Dynamics	Prof. Sreenivas Jayanti	IITM	12 Weeks
noc21-ch06	Chemical Engineering	Mass Transfer Operations -I	Prof. Bishnupada Mandal	IITG	12 Weeks
noc21-ch07	Chemical Engineering	Heat Transfer	Prof. Ganesh Vishwanathan	IITB	12 Weeks
noc21-ch08	Chemical Engineering	Chemical Reaction Engineering II	Prof. Ganesh Vishwanathan	IITB	12 Weeks
noc21-ch09	Chemical Engineering	Waste to Energy Conversion	Prof. P. Mondal	IITR	8 Weeks
noc21-ch10	Chemical Engineering	Equipment Design: Mechanical Aspects	Prof. Shabina Khanam	IITR	4 Weeks
noc21-ch11	Chemical Engineering	Renewable Energy Engineering: Solar, Wind and Biomass Energy Systems	Prof. Vaibhav Vasant Goud Prof. R. Anandalakshmi	IITG	8 Weeks
noc21-ch12	Chemical Engineering	Polymer Reaction Engineering	Prof. Shishir Sinha	IITR	12 Weeks
noc21-ch13	Chemical Engineering	Environmental Quality Monitoring & Analysis	Prof. Ravi Krishna R	IITM	12 Weeks
noc21-ch14	Chemical Engineering	Electrochemical Technology in Pollution control	Prof. J. R. Mudakavi	IISc	8 Weeks



noc21-ch15	Chemical Engineering	Biomass Conversion and Biorefinery	Prof. Kaustubha Mohanty	IITG	12 Weeks
noc21-ch16	Chemical Engineering	Membrane Technology	Prof. Kaustubha Mohanty	IITG	12 Weeks
noc21-ch17	Chemical Engineering	Chemical Engineering Thermodynamics	Prof. Sasidhar Gumma	IIT Tirupati	12 Weeks
noc21-ge01	Chemical Engineering/Multidisciplinary	Model Predictive Control: Theory and Applications	Prof. Niket Kaisare	IITM	12 Weeks
noc21-ch18	Chemical Engineering	Process Equipment Design	Prof. Shabina Khanam	IITR	12 Weeks
noc21-ch19	Chemical Engineering	Advanced Thermodynamics and Molecular Simulations	Prof. Prateek Kumar Jha	IITR	12 Weeks
noc21-ch20	Chemical Engineering	Basic Principles and Calculations in Chemical Engineering	Prof. Subrata Kumar Majumder	IITG	12 Weeks
noc21-ch21	Chemical Engineering	Fluid Flow Operations	Prof. Subrata Kumar Majumder	IITG	12 Weeks
noc21-ch22	Chemical Engineering	Computer Aided Applied Single Objective Optimization	Prof. Prakash Kotecha	IITG	8 Weeks + 4 weeks new
noc21-ch23	Chemical Engineering	Advanced Thermodynamics	Prof. Nanda Kishore	IITG	12 Weeks
noc21-ch24	Chemical Engineering	Introduction to process modeling in the Membrane Separation Process	Prof. Sirshendu De	IIT KGP	4 Weeks
noc21-ch25	Chemical Engineering	Soft Nano Technology	Prof. Rabibrata Mukherjee	IIT KGP	8 Weeks
noc21-ch26	Chemical Engineering	Chemical Process Instrumentation	Prof. Debasis Sarkar	IIT KGP	12 Weeks
noc21-ch27	Chemical Engineering	Engineering Thermodynamics	Prof. Jayant K. Singh	IITK	8 Weeks
noc21-ch28	Chemical Engineering	Applied Time-Series Analysis	Prof. Arun K. Tangirala	IITM	12 Weeks
noc21-ch29	Chemical Engineering	An Introduction to Cardiovascular Fluid Mechanics	Prof. Raghvendra Gupta	IITG	4 Weeks
noc21-ch30	Chemical Engineering	Multiphase Flows	Prof. Rajesh Kumar Upadhyay	IIT(BHU) Varanasi	8 Weeks
noc21-cy01	Chemistry	Basic thermodynamics: Classical and Statistical Approaches	Prof. Arnab Mukherjee	IISER Pune	12 Weeks
noc21-cy02	Chemistry	Biochemistry - IITKGP	Prof. Swagata Dasgupta	IIT KGP	12 Weeks
noc21-cy03	Chemistry	Reactive Intermediates Carbene and Nitrene	Prof. Rajarshi Samanta	IIT KGP	4 Weeks
noc21-cy04	Chemistry	Pericyclic Reactions and Organic Photochemistry	Prof. Sankararaman	IITM	8 Weeks




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noc21-cy05	Chemistry	Medicinal Chemistry	Prof. Harinath Chakrapani	IISER Pune	12 Weeks
noc21-cy06	Chemistry	Organometallic Chemistry	Prof. Debabrata Maiti	IITB	4 Weeks
noc21-cy07	Chemistry	Symmetry, Stereochemistry and Applications	Prof. Angshuman Roy Choudhury	IISER Mohali	12 Weeks
noc21-cy08	Chemistry	Essentials of Oxidation, Reduction and C-C Bond Formation. Application in Organic Synthesis	Prof. Yashwant D Vankar	IITB	12 Weeks
noc21-cy09	Chemistry	Fundamentals of Spectroscopy	Prof. Sayan Bagchi Prof. Anirban Hazra	NCL Pune, IISER Pune	12 Weeks
noc21-cy10	Chemistry	Basics in Inorganic Chemistry	Prof. Debabrata Maiti	IITB	4 Weeks
noc21-cy11	Chemistry	Transition Metal Organometallics in Catalysis and Biology	Prof. P. Ghosh	IITB	12 Weeks
noc21-cy12	Chemistry	Advanced Transition Metal Organometallic Chemistry	Prof. P. Ghosh	IITB	12 Weeks
noc21-cy13	Chemistry	Molecular Spectroscopy: A Physical Chemist's Perspective	Prof. Anindya Datta	IITB	12 Weeks
noc21-cy14	Chemistry	Ultrafast laser spectroscopy	Prof. Anindya Datta	IITB	12 Weeks
noc21-cy16	Chemistry	Symmetry and Group Theory	Prof. Jeetender Chugh	IISER PUNE	12 Weeks
noc21-cy17	Chemistry	Chemical kinetics and transition state theory	Prof. Amber Jain	IITB	8 Weeks
noc21-cy18	Chemistry	Bioinorganic Chemistry	Prof. S. P. Rath	IITK	4 Weeks
noc21-cy19	Chemistry	Structure, Stereochemistry and Reactivity of Organic Compounds and Intermediates: A Problem-solving Approach	Prof. Amit Basak	IIT KGP	8 Weeks
noc21-cy20	Chemistry	Approximate Methods in Quantum Chemistry	Prof. Sabyashachi Mishra	IIT KGP	8 Weeks
noc21-cy21	Chemistry	Essentials of Biomolecules : Nucleic Acids and Peptides	Prof. Lal Mohan Kundu	IITG	12 Weeks
noc21-cy22	Chemistry	Chemistry - II	Prof. K. Mangala Sunder	IITM	8 Weeks
noc21-cy23	Chemistry	Advanced Chemical Thermodynamics and Kinetics	Prof. Arijit Kumar De	IISER Mohali	12 Weeks
noc21-cy24	Chemistry	Chemistry Of Main Group Elements	Prof. M. S. Balakrishna	IITB	12 Weeks
noc21-cy26	Chemistry	Industrial Inorganic Chemistry	Prof. Debashish Ray	IIT KGP	12 Weeks




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noc21-cy27	Chemistry	Quantitative Methods in Chemistry	Prof. Aasheesh Srivastava Prof. Bharathwaj Sathyamoorthy	IISER Bhopal	8 Weeks (12- 4 weeks)
noc21-ce01	Civil Engineering	Geotechnical Engineering II Foundation Engineering	Prof. Dilip Kumar Baidya	IIT KGP	12 Weeks
noc21-ce02	Civil Engineering	Landscape Architecture and Site Planning - Basic Fundamentals	Prof. Uttam Kumar Banerjee	IIT KGP	8 Weeks
noc21-ce03	Civil Engineering	Electronic Waste Management - Issues and Challenges	Prof. Brajesh Kumar Dubey	IIT KGP	4 Weeks
noc21-ce04	Civil Engineering	Plastic Waste Management	Prof. Brajesh Kumar Dubey	IIT KGP	8 Weeks
noc21-ce05	Civil Engineering	Architectural Conservation and Historic Preservation	Prof. Sanghamitra Basu	IIT KGP	8 Weeks
noc21-ce06	Civil Engineering	Geosynthetics and Reinforced Soil Structures	Prof. K. Rajagopal	IITM	12 Weeks
noc21-ce07	Civil Engineering	Applied Environmental Microbiology	Prof. Gargi Singh	IITR	12 Weeks
noc21-ce08	Civil Engineering	Digital Land Surveying And Mapping (DLS&M)	Prof. J. K. Ghosh	IITR	8 Weeks
noc21-ce09	Civil Engineering	Geographic Information Systems	Prof. Arun K. Saraf	IITR	12 Weeks
noc21-ce10	Civil Engineering	Basic construction materials	Prof. Manu Santhanam Prof. Radhakrishna G. Pillai	IITM	12 Weeks
noc21-ce11	Civil Engineering	Remote Sensing: Principles and Applications	Prof. Eswar Rajasekaran	IITB	12 Weeks
noc21-ce12	Civil Engineering	Introduction to Civil Engineering Profession	Prof. Ravindra Gettu Prof. Subhadeep Banerjee	IITM	8 Weeks
noc21-ce13	Civil Engineering	Maintenance and Repair of Concrete Structures	Prof. Radhakrishna G. Pillai	IITM	12 Weeks
noc21-ce14	Civil Engineering	Mechanical Characterization of Bituminous Materials	Prof. M. R. Nivitha (MRN) Prof. Neethu Roy(NR) Prof. A. Padmarekha(APR) Prof. J. Murali Krishnan(JMK)	PSG Tech., Coimbatore MBCET, Trivandrum SRM IST, Kattankulathur IIT Madras	12 Weeks
noc21-ce15	Civil Engineering	Geotechnical Engineering - 1	Prof. D. N. Singh	IITB	12 Weeks



noc21-ce16	Civil Engineering	Safety in Construction	Prof. J. Uma Maheswari	IITD	8 weeks
noc21-ce17	Civil Engineering	Natural Hazards	Prof. Javed N. Malik	IITK	8 Weeks
noc21-ce19	Civil Engineering	Development and Applications of Special Concretes	Prof. Sudhir Misra	IITK	8 Weeks
noc21-ce20	Civil Engineering	Principles of Construction Management	Prof. Sudhir Misra	IITK	8 Weeks
noc21-ce21	Civil Engineering	Construction methods and equipment management	Prof. Indu Siva Ranjani Gandhi	IITG	8 Weeks
noc21-ce22	Civil Engineering	Scheduling Techniques in Projects	Prof. J. Uma Maheswari	IITD	4 Weeks
noc21-ce23	Civil Engineering	Advanced Soil Mechanics	Prof. Sreedeeep S	IITG	12 Weeks
noc21-ce24	Civil Engineering	Introduction to Accounting and Finance for Civil Engineers	Prof. K. N. Jha Prof. Sudhir Misra	IITK	8 Weeks
noc21-ce25	Civil Engineering	Water and waste water treatment	Prof. Bhanu Prakash Vellanki	IITR	12 Weeks
noc21-ce26	Civil Engineering	Soil Structure Interaction	Prof. Kousik Deb	IIT KGP	12 Weeks
noc21-ce28	Civil Engineering	Geology and Soil Mechanics	Prof. Priyanka Ghosh	IITK	12 Weeks
noc21-ce29	Civil Engineering	Geomorphology	Prof. Pitambar Pati	IITR	12 Weeks
noc21-ce30	Civil Engineering	Water Supply Engineering	Prof. Manoj Kumar Tiwari	IIT KGP	12 Weeks
noc21-ce31	Civil Engineering	Hydraulic Engineering	Prof. Mohammad Saud Afzal	IIT KGP	12 Weeks
noc21-ce32	Civil Engineering	Structural Dynamics	Prof. Ramancharala Pradeep Kumar	IIIT Hyderabad	12 Weeks
noc21-ce33	Civil Engineering	Advanced Foundation Engineering	Prof. Kousik Deb	IIT KGP	12 Weeks
noc21-ce34	Civil Engineering	Rock Engineering	Prof. Priti Maheshwari	IITR	12 Weeks
noc21-ce35	Civil Engineering	Urban Transportation Systems Planning	Prof. Bhargab Maitra	IIT KGP	12 Weeks
noc21-ce36	Civil Engineering	Environmental Remediation of Contaminated Sites	Prof. Bhanu Prakash Vellanki	IITR	12 Weeks
noc21-ce18	Earth Sciences	Geomorphic Processes: Landforms and Landscapes	Prof. Javed N. Malik	IITK	8 Weeks
noc21-ce37	Earth Sciences	Structural Geology	Prof. Santanu Misra	IITK	12 Weeks
noc21-cs01	Computer Science and Engineering	Problem solving through Programming In C	Prof. Anupam Basu	IIT KGP	12 Weeks
noc21-cs02	Computer Science and Engineering	Programming in C++	Prof. Partha Pratim Das	IIT KGP	8 Weeks
noc21-cs03	Computer Science and Engineering	Programming in Java	Prof. Debasis Samanta	IIT KGP	12 Weeks




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noc21-cs04	Computer Science and Engineering	Data Base Management System	Prof. Partha Pratim Das Prof. Samiran Chattopadhyay	IIT KGP	8 Weeks
noc21-cs05	Computer Science and Engineering	Deep Learning - IITKGP	Prof. Prabir Kumar Biswas	IIT KGP	12 Weeks
noc21-cs06	Computer Science and Engineering	Data Mining	Prof. Pabitra Mitra	IIT KGP	8 Weeks
noc21-cs07	Computer Science and Engineering	Compiler Design	Prof. Santanu Chattopadhyay	IIT KGP	12 Weeks
noc21-cs08	Computer Science and Engineering	Embedded Systems Design	Prof. Anupam Basu	IIT KGP	12 Weeks
noc21-cs09	Computer Science and Engineering	Embedded System Design with ARM	Prof. Indranil Sengupta Prof. Kamalika Datta	IIT KGP	8 Weeks
noc21-cs10	Computer Science and Engineering	Real Time Operating System	Prof. Rajib Mall	IIT KGP	4 Weeks
noc21-cs11	Computer Science and Engineering	Introduction to Soft Computing	Prof. Debasis Samanta	IIT KGP	8 Weeks
noc21-cs12	Computer Science and Engineering	VLSI Physical Design	Prof. Indranil Sengupta	IIT KGP	12 Weeks
noc21-cs13	Computer Science and Engineering	Software Testing	Prof. Rajib Mall	IIT KGP	4 Weeks
noc21-cs14	Computer Science and Engineering	Cloud computing	Prof. Soumya Kanti Ghosh	IIT KGP	8 Weeks
noc21-cs15	Computer Science and Engineering	Cloud Computing and Distributed Systems	Prof. Rajiv Misra	IITP	8 Weeks
noc21-cs16	Computer Science and Engineering	Cryptography and Network Security	Prof. Sourav Mukhopadhyay	IIT KGP	12 Weeks
noc21-cs17	Computer Science and Engineering	Introduction to internet of things	Prof. Sudip Misra	IIT KGP	12 Weeks
noc21-cs18	Computer Science and Engineering	Computer Networks and Internet Protocol	Prof. Soumya Kanti Ghosh Prof. Sandip Chakraborty	IIT KGP	12 Weeks
noc21-cs19	Computer Science and Engineering	Introduction to Automata, Languages and Computation	Prof. Sourav Mukhopadhyay	IIT KGP	12 Weeks
noc21-cs20	Computer Science and Engineering	Introduction to Industry 4.0 and Industrial Internet of Things	Prof. Sudip Misra	IIT KGP	12 Weeks



noc21-cs21	Computer Science and Engineering	Programming, Data Structures And Algorithms Using Python	Prof. Madhavan Mukund	CMI	8 Weeks
noc21-cs22	Computer Science and Engineering	Design and analysis of algorithms	Prof. Madhavan Mukund	CMI	8 Weeks
noc21-cs23	Computer Science and Engineering	Data Science for Engineers	Prof. Ragunathan Rengasamy Prof. Shankar Narasimhan	IITM	8 Weeks
noc21-cs24	Computer Science and Engineering	Introduction to Machine Learning	Prof. Balaraman Ravindran	IITM	12 Weeks
noc21-cs25	Computer Science and Engineering	Reinforcement Learning	Prof. Balaraman Ravindran	IITM	12 Weeks
noc21-cs26	Computer Science and Engineering	Artificial Intelligence: Knowledge Representation and Reasoning	Prof. Deepak Khemani	IITM	12 Weeks
noc21-cs27	Computer Science and Engineering	AI: Constraint Satisfaction	Prof. Deepak Khemani	IITM	8 Weeks
noc21-cs28	Computer Science and Engineering	Privacy and Security in Online Social Media	Prof. Ponnurangam Kumaraguru	IIIT Delhi	8 Weeks(in 12 weeks Duration)
noc21-cs29	Computer Science and Engineering	Foundations to Computer Systems Design	Prof. Kamakoti Veezhinathan	IITM	12 Weeks
noc21-cs30	Computer Science and Engineering	Information Security - 5 - Secure Systems Engineering	Prof. Chester Rebeiro	IITM	8 Weeks
noc21-cs31	Computer Science and Engineering	Social Networks	Prof. Sudarshan Iyengar	IIT Ropar	12 Weeks
noc21-cs32	Computer Science and Engineering	The Joy of Computing using Python	Prof. Sudarshan Iyengar Prof. Yayati Gupta	IIT Ropar	12 Weeks
noc21-cs33	Computer Science and Engineering	Python for Data Science	Prof. Ragunathan Rengasamy	IITM	4 Weeks
noc21-cs34	Computer Science and Engineering	Discrete Mathematics - IIT Ropar	Prof. Sudarshan Iyengar Prof. Neeldhara	IIT Ropar & IIT Gandhinagar	12 Weeks
noc21-cs35	Computer Science and Engineering	Deep Learning - IIT Ropar	Prof. Sudarshan Iyengar	IIT Ropar	12 Weeks
noc21-cs36	Computer Science and Engineering	Discrete Mathematics - IIITB	Prof. Ashish Choudhury	IIIT Bangalore	12 Weeks




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noc21-cs37	Computer Science and Engineering	Computer Organization and Architecture: A Pedagogical Aspect	Prof. Santhosh biswas Prof. Jatindra kumar deka Prof. Arnab sarkar	IITG	12 Weeks
noc21-cs38	Computer Science and Engineering	An Introduction to Programming Through C++	Prof. Abhiram G. Ranade	IITB	12 Weeks
noc21-cs39	Computer Science and Engineering	Introduction to Parallel Programming in OpenMP	Prof. Yogish Sabharwal	IITD	4 Weeks
noc21-cs40	Computer Science and Engineering	Computational Geometry	Prof. Amit Kumar	IITD	12 Weeks
noc21-cs41	Computer Science and Engineering	Computer Architecture	Prof. Smruti Ranjan Sarangi	IITD	12 Weeks
noc21-cs42	Computer Science and Engineering	An Introduction to Artificial Intelligence	Prof. Mausam	IITD	12 Weeks
noc21-cs43	Computer Science and Engineering	Foundations of Cryptography	Prof. Ashish Choudhury	IIT Bangalore	12 Weeks
noc21-cs44	Computer Science and Engineering	Operating System	Prof. Sorav Bansal	IITD	12 Weeks
noc21-cs45	Computer Science and Engineering	Data Analytics with Python	Prof. A. Ramesh	IITR	12 Weeks
noc21-cs46	Computer Science and Engineering	GPU Architectures and Programming	Prof. Soumyajit Dey	IIT KGP	12 Weeks
noc21-cs47	Computer Science and Engineering	Advanced Computer Architecture	Prof. John Jose	IITG	8 Weeks
noc21-cs48	Computer Science and Engineering	Advanced Graph Theory	Prof. Rajiv Misra	IITP	8 Weeks
noc21-cs49	Computer Science and Engineering	Computational Complexity Theory	Prof. Raghunath Tewari	IITK	12 Weeks
noc21-cs50	Computer Science and Engineering	User-centric Computing for Human-Computer Interaction	Prof. Samit Bhattacharya	IITG	8 Weeks
noc21-cs51	Computer Science and Engineering	Machine Learning, ML	Prof. Carl Gustaf Jansson	KTH Royal Institute of Technology, Sweden	8 Weeks
noc21-cs52	Computer Science and Engineering	Introduction to Database Systems	Prof. Sreenivasa Kumar	IITM	12 Weeks
noc21-cs53	Computer Science and Engineering/Mathematics	Randomized Methods in Complexity	Prof. Nitin Saxena	IITK	12 Weeks



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noc21-de01	Design Engineering	Product Design and Innovation	Prof. Supradip Das Prof. Swati Pal Prof. Debayan Dhar	IITG	4 Weeks
noc21-de02	Design Engineering	Fundamentals of Automotive Systems	Prof. C. S. Shankar Ram	IITM	12 Weeks
noc21-de03	Design Engineering	Design, Technology and Innovation	Prof. B. K. Chakravarthy	IITB	8 Weeks
noc21-de04	Design Engineering	Understanding Ethnography	Prof. Nina Sabnani	IITB	8 Weeks
noc21-de05	Design Engineering	Innovation by Design	Prof. B. K. Chakravarthy	IITB	4 Weeks
noc21-de06	Design Engineering	Understanding Design	Prof. Nina Sabnani	IITB	4 Weeks
noc21-de07	Architecture, Civil and Design	Strategies for Sustainable Design	Prof. Shiva Ji	IIT Hyderabad	12 Weeks
noc21-hs01	Economics	Introduction to Econometrics	Prof. Sabuj Kumar Mandal	IITM	12 Weeks
noc21-ee01	Electrical and Electronics Engineering	Fundamental of Power Electronics	Prof. L. Umanand	IISc	12 Weeks
noc21-ee02	Electrical and Electronics Engineering	Principles of Signals and Systems	Prof. Aditya K. Jagannatham	IITK	12 Weeks
noc21-ee03	Electrical and Electronics Engineering	Recent Advances in Transmission Insulators	Prof. Subba Reddy	IISc	4 Weeks
noc21-ee04	Electrical and Electronics Engineering	Mathematical Methods and Techniques in Signal Processing	Prof. Shayan Srinivasa Garani	IISc	12 Weeks
noc21-ee05	Electrical and Electronics Engineering	Control engineering	Prof. Ramkrishna Pasumarthy	IITM	12 Weeks
noc21-ee06	Electrical and Electronics Engineering	Nonlinear System Analysis	Prof. Ramkrishna Pasumarthy Prof. Arunkumar D Mahindrakar	IITM	12 Weeks
noc21-ee07	Electrical and Electronics Engineering	Analog Circuits	Prof. Jayanta Mukherjee	IITB	8 Weeks
noc21-ee08	Electrical and Electronics Engineering	Antennas	Prof. Girish Kumar	IITB	12 Weeks
noc21-ee09	Electrical and Electronics Engineering	CMOS Digital VLSI Design	Prof. Sudeb Dasgupta	IITR	8 Weeks
noc21-ee10	Electrical and Electronics Engineering	Digital Electronic Circuits	Prof. Goutam Saha	IIT KGP	12 Weeks
noc21-ee11	Electrical and Electronics Engineering	Modern digital communication techniques	Prof. Suvra Sekhar Das	IIT KGP	12 Weeks




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noc21-ee12	Electrical and Electronics Engineering	Evolution of Air Interface towards 5G	Prof. Suvra Sekhar Das	IIT KGP	8 Weeks
noc21-ee13	Electrical and Electronics Engineering	Electrical Machines - II	Prof. Tapas Kumar Bhattacharya	IIT KGP	12 Weeks
noc21-ee14	Electrical and Electronics Engineering	Network Analysis	Prof. Tapas Kumar Bhattacharya	IIT KGP	12 Weeks
noc21-ee15	Electrical and Electronics Engineering	Power System Engineering	Prof. Debapriya Das	IIT KGP	12 Weeks
noc21-ee16	Electrical and Electronics Engineering	Power System Dynamics, Control and Monitoring	Prof. Debapriya Das	IIT KGP	12 Weeks
noc21-ee17	Electrical and Electronics Engineering	Biomedical Signal Processing	Prof. Sudipta Mukhopadhyay	IIT KGP	12 Weeks
noc21-ee18	Electrical and Electronics Engineering	Microprocessors and Microcontrollers	Prof. Santanu Chattopadhyay	IIT KGP	12 Weeks
noc21-ee19	Electrical and Electronics Engineering	Fundamentals of semiconductor devices	Prof. Digbijoy N. Nath	IISc	12 Weeks
noc21-ee20	Electrical and Electronics Engineering	Digital Signal Processing and its Applications	Prof. V. M. Gadre	IITB	12 Weeks
noc21-ee21	Electrical and Electronics Engineering	Introduction to Time - Varying Electrical Networks	Prof. Shanthi Pavan	IITM	12 Weeks
noc21-ee22	Electrical and Electronics Engineering	Digital IC Design	Prof. Janakiraman	IITM	12 Weeks
noc21-ee23	Electrical and Electronics Engineering	Computer Vision and Image Processing - Fundamentals and Applications	Prof. M. K. Bhuyan	IITG	12 Weeks
noc21-ee24	Electrical and Electronics Engineering	Electrical Machines	Prof. G. Bhuvaneshwari	IITD	12 Weeks
noc21-ee25	Electrical and Electronics Engineering	Power Management Integrated Circuits	Prof. Qadeer Ahmad Khan	IITM	12 Weeks
noc21-ee26	Electrical and Electronics Engineering	A brief introduction of Micro - Sensors	Prof. Santanu Talukder	IISER Bhopal	4 Weeks
noc21-ee27	Electrical and Electronics Engineering	Linear Dynamical Systems	Prof. Tushar Jain	IIT Mandi	8 Weeks
noc21-ee28	Electrical and Electronics Engineering	Signals and Systems	Prof. Kushal K. Shah	IISER Bhopal	12 Weeks
noc21-ee29	Electrical and Electronics Engineering	High Power Multilevel Converters - Analysis, design and operational issues	Prof. Anandarup Das	IITD	12 Weeks
noc21-ee30	Electrical and Electronics Engineering	Principles of Digital Communications	Prof. Abhishek Dixit	IITD	12 Weeks
noc21-ee31	Electrical and Electronics Engineering	Integrated Circuits, MOSFETs, Op-Amps and their Applications	Prof. Hardik Jeetendra Pandya	IISc	12 Weeks




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noc21-ee32	Electrical and Electronics Engineering	Sensors and Actuators	Prof. Hardik Jeetendra Pandya	IISc	12 Weeks
noc21-ee33	Electrical and Electronics Engineering	Applied Linear Algebra for Signal Processing, Data Analytics and Machine Learning	Prof. Aditya K. Jagannatham	IITK	12 Weeks
noc21-ee34	Electrical and Electronics Engineering	Microwave Integrated Circuits	Prof. Jayanta Mukherjee	IITB	8 Weeks
noc21-ee35	Electrical and Electronics Engineering	Photonic integrated circuit	Prof. Shankar Kumar Selvaraja	IISc	12 Weeks
noc21-ee36	Electrical and Electronics Engineering	Multirate DSP	Prof. R. David Koilpillai	IITM	12 Weeks
noc21-ee37	Electrical and Electronics Engineering	Probability Foundations for Electrical engineers	Prof. Andrew Thangaraj Prof. Aravind R	IITM	8 Weeks + 4 weeks new
noc21-ee38	Electrical and Electronics Engineering	Applied Linear Algebra	Prof. Andrew Thangaraj	IITM	12 Weeks
noc21-ee39	Electrical and Electronics Engineering	Digital System Design	Prof. Neeraj Goel	IIT Ropar	12 Weeks
noc21-ee40	Electrical and Electronics Engineering	Optical Fiber Sensors	Prof Balaji Srinivasan	IITM	12 Weeks
noc21-ee41	Electrical and Electronics Engineering	Microprocessors and Interfacing	Prof. Shaik Rafi Ahamed	IITG	12 Weeks
noc21-ee42	Electrical and Electronics Engineering	Optical Communications	Prof. Pradeep Kumar K	IITK	12 Weeks
noc21-ee43	Electrical and Electronics Engineering	Electromagnetic Waves in Guided and Wireless Media	Prof. Pradeep Kumar K	IITK	8 Weeks
noc21-ee44	Electrical and Electronics Engineering	Statistical Signal Processing	Prof. Prabin Kumar Bora	IITG	12 Weeks
noc21-ee45	Electrical and Electronics Engineering	Electronics equipment integration and Prototype building	Prof. N. V. Chalapathi Rao	IISc	8 Weeks
noc21-ee46	Electrical and Electronics Engineering	Electronics Enclosures Thermal issues	Prof. N. V. Chalapathi Rao	IISc	8 Weeks
noc21-ee47	Electrical and Electronics Engineering	Spread Spectrum Communications And Jamming	Prof. Debarati Sen	IIT KGP	12 Weeks
noc21-ee48	Electrical and Electronics Engineering	Optimal control	Prof. Barjeev Tyagi	IITR	8 Weeks
noc21-ee49	Electrical and Electronics Engineering	Fuzzy Sets, Logic and Systems & Applications	Prof. Nishchal Kumar Verma	IITK	12 Weeks
noc21-ee50	Electrical and Electronics Engineering	Nonlinear and Adaptive Control	Prof. Shubhendu Bhasin	IITD	4 Weeks




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noc21-ee51	Electrical and Electronics Engineering	Analog Ic Design	Prof. Aniruddhan S	IITM	12 Weeks
noc21-ee52	Electrical and Electronics Engineering	Architectural Design of Digital Integrated Circuits	Prof. Indranil Hatai	IIT KGP	12 Weeks
noc21-ee53	Electrical and Electronics Engineering	Transmission lines and electromagnetic waves	Prof. Ananth Krishnan	IITM	12 Weeks
noc21-ee54	Electrical and Electronics Engineering	Discrete Time Signal Processing	Prof. Mrityunjoy Chakraborty	IIT KGP	8 Weeks
noc21-ge13	Electronics, Electrical, Physics, Biology, Biotechnology, Bioscience, Medicine, Biochemistry	Biophotonics	Prof. Basudev Lahiri	IIT KGP	12 Weeks
noc21-ee55	Electrical and Electronics Engineering	Basic Electronics	Prof. M.B. Patil	IITB	12 Weeks
noc21-ee56	Electrical and Electronics Engineering	Power Quality Improvement Technique	Prof. Avik Bhattacharya	IITR	8 Weeks
noc21-ee57	Electrical and Electronics Engineering	An Introduction to Information Theory	Prof. Adrish Banerjee	IITK	8 Weeks
noc21-ee58	Electrical and Electronics Engineering	Introduction to Embedded System Design	Prof. Dhananjay V. Gadre Prof. Badri N Subudhi	Netaji Subhas University of Technology and IIT Jammu	12 weeks
noc21-hs02	Humanities and Social Sciences	Enhancing Soft Skills and Personality	Prof. T. Ravichandran	IITK	8 Weeks
noc21-hs03	Humanities and Social Sciences	Introduction to Basic Spoken Sanskrit and Intermediate Level of Spoken Sanskrit	Prof. Anuradha Choudry	IIT KGP	12 Weeks
noc21-hs04	Humanities and Social Sciences	Emotional Intelligence	Prof. Rabindra Kumar Pradhan	IIT KGP	8 Weeks
noc21-hs05	Humanities and Social Sciences	Speaking Effectively	Prof. Anjali Gera Roy	IIT KGP	8 Weeks
noc21-hs06	Humanities and Social Sciences	Employment Communication A Lab based course	Prof. Seema Singh	IIT KGP	8 Weeks
noc21-hs07	Humanities and Social Sciences	Soft Skill Development	Prof. Priyadarshi Patnaik Prof. V. N. Giri Prof. D. Suar	IIT KGP	8 Weeks
noc21-hs08	Humanities and Social Sciences	Intellectual Property	Prof. Feroz Ali	IITM	12 Weeks
noc21-hs09	Humanities and Social Sciences	Health Research Fundamentals	Prof. P. Manickam	NIE	8 Weeks



noc21-hs10	Humanities and Social Sciences	Introduction to Modern Indian Political Thought	Prof. Mithilesh Kumar Jha	IITG	12 Weeks
noc21-hs11	Humanities and Social Sciences	Language and Mind	Prof. Rajesh Kumar	IITM	8 Weeks
noc21-hs12	Humanities and Social Sciences	Basics of language Science	Prof. Rajesh Kumar	IITM	12 Weeks
noc21-hs13	Humanities and Social Sciences	Introduction to World Literature	Prof. Merin Simi Raj	IITM	12 Weeks
noc21-hs14	Humanities and Social Sciences	Patent Drafting for Beginners	Prof. Feroz Ali	IITM	4 Weeks
noc21-hs15	Humanities and Social Sciences	Patent Law for Engineers and Scientists	Prof. Feroz Ali	IITM	12 Weeks
noc21-hs16	Humanities and Social Sciences	English language for competitive exams	Prof. Aysha Iqbal	IITM	12 Weeks
noc21-hs17	Humanities and Social Sciences	Introduction to Film Studies	Prof. Aysha Iqbal	IITM	12 Weeks
noc21-hs18	Humanities and Social Sciences	Introduction to Political Theory	Prof. Mithilesh Kumar Jha	IITG	12 Weeks
noc21-hs19	Humanities and Social Sciences	Introduction to Brain & Behaviour	Prof. Ark Verma	IITK	8 Weeks
noc21-hs20	Humanities and Social Sciences	Introduction to Modern Indian Drama	Prof. Kiran Keshavamurthy	IITG	8 Weeks
noc21-hs21	Humanities and Social Sciences	Human Behaviour	Prof. Naveen Kashyap	IITG	8 Weeks
noc21-hs22	Humanities and Social Sciences	Introduction to Cognitive Psychology	Prof. Naveen Kashyap	IITG	12 Weeks
noc21-hs23	Humanities and Social Sciences	English Literature of the Romantic Period, 1798-1832	Prof. Pramod K. Nayar	University of Hyderabad	8 Weeks
noc21-hs24	Humanities and Social Sciences	Introduction to Cultural Studies	Prof. Avishek Parui	IITM	12 Weeks
noc21-hs25	Humanities and Social Sciences	Literary Criticism (From Plato to Leavis)	Prof. Merin Simi Raj	IITM	12 Weeks
noc21-hs26	Humanities and Social Sciences	Literature, Culture and Media	Prof. Rashmi Gaur	IITR	12 Weeks
noc21-hs27	Humanities and Social Sciences	Modern Indian Writing in Translation	Prof. A. Divya	IITM	12 Weeks
noc21-hs28	Humanities and Social Sciences	The Nineteenth - Century English Novel	Prof. A. Divya	IITM	12 Weeks
noc21-hs29	Humanities and Social Sciences	Psychology of Stress, Health and Well-being	Prof. Dilwar Hussain	IITG	12 Weeks
noc21-hs30	Humanities and Social Sciences	German - I	Prof. Milind Brahme	IITM	12 Weeks
noc21-hs31	Humanities and Social Sciences	German - II	Prof. Milind Brahme	IITM	12 Weeks
noc21-hs32	Humanities and Social Sciences	Handling Large-Scale Unit Level Data Using STATA	Prof. Pratap C. Mohanty	IITR	8 Weeks
noc21-hs34	Humanities and Social Sciences	Psychiatry - An Overview and How the Brain Creates Mind	Prof. Alok Bajpai	IITK	8 Weeks
noc21-hs35	Humanities and Social Sciences	Introduction to the Psychology of Language	Prof. Ark Verma	IITK	8 Weeks
noc21-hs36	Humanities and Social Sciences	Twentieth Century Fiction	Prof. Avishek Parui	IITM	12 Weeks
noc21-hs37	Humanities and Social Sciences	Feminism : Concepts and Theories	Prof. Mathangi Krishnamurthy	IITM	12 Weeks
noc21-hs38	Humanities and Social Sciences	Introduction to Political Ideologies : Contexts, Ideas, and Practices	Prof. Arvind Sivaramakrishnan	IITM	12 Weeks



noc21-hs39	Humanities and Social Sciences	Applied Statistics and Econometrics	Prof. Deep Mukherjee	IITK	12 Weeks
noc21-hs40	Humanities and Social Sciences	Literature and Coping Skills	Prof. Ajit K Mishra	IIT(BHU) Varanasi	8 Weeks
noc21-hs41	Humanities and Social Sciences	Phonetics and Phonology: A broad overview	Prof. Shakuntala Mahanta	IITG	8 Weeks
noc21-hs42	Humanities and Social Sciences	Philosophical Foundations of Social Research	Prof. Sambit Mallick	IITG	8 Weeks
noc21-hs43	Humanities and Social Sciences	Globalization: Theoretical Perspectives	Prof. R. Santhosh	IITM	12 Weeks
noc21-hs44	Humanities and Social Sciences	Effective Writing	Prof. Binod Mishra	IITR	4 Weeks
noc21-hs45	Humanities and Social Sciences	Indian Business History	Prof. Vipul Dutta	IITG	8 Weeks
noc21-hs46	Humanities and Social Sciences	International Trade - Theory and Empirics	Prof. Pratap C. Mohanty	IITR	8 Weeks + 4 weeks new
noc21-hs47	Humanities and Social Sciences	Development of Sociology in India	Prof. Ashish Saxena	IITK	4 Weeks
noc21-hs48	Humanities and Social Sciences	Postcolonial Literature	Prof. Sayan Chattopadhyay	IITK	4 Weeks
noc21-hs49	Humanities and Social Sciences	Introduction to Psychology	Prof. Braj Bhushan	IITK	8 Weeks
noc21-hs50	Humanities and Social Sciences	Introduction to Environmental Economics	Prof. Diptimayee Nayak Prof. S. P. Singh	IITR	12 Weeks
noc21-hs51	Humanities and Social Sciences	Indian Economy: Some Contemporary Perspectives	Prof. Wasim Ahmad	IITK	8 Weeks
noc21-hs52	Humanities and Social Sciences	An Introduction to Microeconomics	Prof. Vimal Kumar	IITK	12 Weeks
noc21-hs53	Humanities and Social Sciences	Economic Growth and Development	Prof. Rajshree Bedamatta	IITG	8 Weeks
noc21-hs54	Humanities and Social Sciences	Energy Resources, Economics and Environment	Prof. Rangan Banerjee	IITB	12 Weeks
noc21-hs55	Humanities and Social Sciences	Towards an Ethical Digital Society: From Theory to Practice	Prof. Bidisha Chaudhuri	IIIT Bangalore	4 Weeks
noc21-mg01	Management	Strategic Performance Management	Prof. KBL Srivastava	IIT KGP	8 Weeks
noc21-mg02	Management	Data Analysis and Decision Making - I	Prof. Raghu Nandan Sengupta	IITK	12 Weeks
noc21-mg03	Management	Total Quality Management - I	Prof. Raghu Nandan Sengupta	IITK	8 Weeks
noc21-mg04	Management	Design Thinking - A Primer	Prof. Ashwin Mahalingam Prof. Bala Ramadurai	IITM	4 Weeks
noc21-mg05	Management	Financial Statement Analysis and Reporting	Prof. Anil K. Sharma	IITR	12 Weeks
noc21-mg06	Management	Financial Management for Managers	Prof. Anil K. Sharma	IITR	12 Weeks





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noc21-mg07	Management	Business Statistics	Prof. Mukesh Kumar Barua	IITR	12 Weeks
noc21-mg08	Management	Business analytics and data mining Modeling using R	Prof. Gaurav Dixit	IITR	12 Weeks
noc21-mg09	Management	MCDM Techniques using R	Prof. Gaurav Dixit	IITR	4 Weeks
noc21-mg10	Management	Global Marketing Management	Prof. Zillur Rahman	IITR	8 Weeks
noc21-mg11	Management	Marketing Research and Analysis-II	Prof. J. K. Nayak	IITR	12 Weeks
noc21-mg12	Management	Supply Chain Analytics	Prof. Rajat Agrawal	IITR	8 Weeks
noc21-mg13	Management	Production and Operation Management	Prof. Rajat Agrawal	IITR	12 Weeks
noc21-mg14	Management	Financial Institutions and Markets	Prof. Jitendra Mahakud	IIT KGP	12 Weeks
noc21-mg15	Management	Management of Commercial Banking	Prof. Jitendra Mahakud	IIT KGP	12 Weeks
noc21-mg16	Management	Business Analytics for Management Decision	Prof. Rudra P Pradhan	IIT KGP	12 Weeks
noc21-mg17	Management	Engineering Econometrics	Prof. Rudra P Pradhan	IIT KGP	12 Weeks
noc21-mg18	Management	Services Marketing: A Practical Approach	Prof. Biplab Datta	IIT KGP	4 Weeks
noc21-mg19	Management	Sales and Distribution Management	Prof. Sangeeta Sahney	IIT KGP	8 Weeks
noc21-mg20	Management	Consumer Behaviour	Prof. Srabanti Mukherjee	IIT KGP	8 Weeks
noc21-mg21	Management	Principles of Human Resource Management	Prof. Aradhna Malik	IIT KGP	8 Weeks
noc21-mg22	Management	Managing change in organizations	Prof. KBL Srivastava	IIT KGP	8 Weeks
noc21-mg23	Management	Management of Inventory Systems	Prof. Pradip Kumar Ray	IIT KGP	12 Weeks
noc21-mg24	Management	Quality Design And Control	Prof. Pradip Kumar Ray	IIT KGP	12 Weeks
noc21-mg25	Management	Six Sigma	Prof. Jitesh J Thakkar	IIT KGP	12 Weeks
noc21-mg26	Management	Foundation Course in Managerial Economics	Prof. Barnali Nag	IIT KGP	8 Weeks
noc21-mg27	Management	Technology Forecasting for strategic decision making - An Introduction	Prof. Dmitry KUCHARAVY Prof. Bala Ramadurai	EM Strasbourg Business School (University of Strasbourg) and IITM	4 Weeks



noc21-mg28	Management	Marketing Management - II	Prof. Jayanta Chatterjee Prof. Shashi Shekhar Mishra	IITK	8 Weeks
noc21-mg29	Management	Management of Field Sales	Prof. Jayanta Chatterjee	IITK	4 Weeks
noc21-mg30	Management	Principles of Management	Prof. Usha Lenka	IITR	12 Weeks
noc21-mg31	Management	Introduction to System Dynamics Modeling	Prof. Jayendran Venkateswaran	IITB	8 Weeks
noc21-mg32	Management	Integrated Marketing Management	Prof. R. Srinivasan	IISc	8 Weeks
noc21-mg33	Management	Organization Theory/Structure and Design	Prof. Zillur Rahman	IITR	8 Weeks
noc21-mg34	Management	Talent Acquisition and Management	Prof. S. Rangnekar	IITR	12 Weeks
noc21-mg35	Management	Leadership for India Inc: Practical Concepts and Constructs	Prof. C Bhaktavatsala Rao	IITM	12 Weeks
noc21-mg36	Management	Managerial Skills for Interpersonal Dynamics	Prof. Santosh Rangnekar	IITR	12 Weeks
noc21-mg38	Management	Simulation of Business Systems: An Applied Approach	Prof. Deepu Philip	IITK	8 Weeks
noc21-mg39	Management	Systems Engineering: Theory & Practice	Prof. Deepu Philip	IITK	8 Weeks
noc21-mg40	Management	Behavioral And Personal Finance	Prof. Abhijeet Chandra	IIT KGP	8 Weeks
noc21-mg41	Management	Introduction to Stochastic Processes	Prof. Manjesh hanawal	IITB	12 Weeks
noc21-mg42	Management	Microeconomics: Theory & Applications	Prof. Deep Mukherjee	IITK	12 Weeks
noc21-mg43	Management	Introduction to Operations Research	Prof. G. Srinivasan	IITM	8 Weeks
noc21-mg44	Management	Marketing Analytics	Prof. Swagato Chatterjee	IIT KGP	12 Weeks
noc21-mg45	Management	Modelling and Analytics for Supply Chain Management	Prof. Kunal Kanti Ghosh Prof. Anupam Ghosh	IIT KGP	12 Weeks
noc21-mg46	Management	Business Ethics	Prof. Susmita Mukhopadhyay	IIT KGP	12 Weeks
noc21-mg47	Management	Quality Control and Improvement with MINITAB	Prof. Indrajit Mukherjee	IITB	8 Weeks
noc21-mg48	Management	Design and Analysis of Experiments	Prof. Jhareswar Maiti	IIT KGP	12 Weeks
noc21-ma01	Mathematics	Introduction to probability and Statistics	Prof. G. Srinivasan	IITM	4 Weeks
noc21-ma02	Mathematics	Graph Theory	Prof. Soumen Maity	IISER Pune	8 Weeks
noc21-ma03	Mathematics	Basic Linear Algebra	Prof. I. K. Rana	IITB	8 Weeks
noc21-ma04	Mathematics	Basic Real Analysis	Prof. I. K. Rana	IITB	12 Weeks




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noc21-ma05	Mathematics	Linear Algebra	Prof. Pranav Haridas	Kerala School of Mathematics	12 Weeks
noc21-ma06	Mathematics	Introduction to Rings and Fields	Prof. Krishna Hanumanthu	CMI	8 Weeks
noc21-ma07	Mathematics	Numerical Methods: Finite difference approach	Prof. Ameeya Kumar Nayak	IITR	4 Weeks
noc21-ma08	Mathematics	Numerical Linear Algebra	Prof. P. N. Agrawal Prof. D. N. Pandey	IITR	12 Weeks
noc21-ma09	Mathematics	Ordinary and Partial Differential Equations and Applications	Prof. P. N. Agrawal Prof. D. N. Pandey	IITR	12 Weeks
noc21-ma10	Mathematics	Multivariable calculus	Prof. S. K. Gupta Prof. Sanjeev Kumar	IITR	8 Weeks
noc21-ma11	Mathematics	Engineering Mathematics II	Prof. Jitendra Kumar	IIT KGP	12 Weeks
noc21-ma12	Mathematics	Transform Calculus and its applications in Differential Equations	Prof. Adrijit Goswami	IIT KGP	12 Weeks
noc21-ma13	Mathematics	Integral and Vector Calculus	Prof. Hari Shankar Mahato	IIT KGP	12 Weeks
noc21-ma14	Mathematics	Variational Calculus and its applications in Control Theory and Nanomechanics	Prof. Sarthok Sircar	IIIT Delhi	12 Weeks
noc21-ma15	Mathematics	Introduction to Galois Theory	Prof. Krishna Hanumanthu	CMI	8 Weeks
noc21-ma16	Mathematics	Basic Calculus - 1	Prof. Arindama Singh	IITM	12 Weeks
noc21-ma17	Mathematics	Probabilistic Methods in PDE	Prof. Anindya Goswami	IISER Pune	12 Weeks
noc21-ma18	Mathematics	First Course on Partial Differential Equations - I	Prof. A. K. Nandakumaran Prof. P. S. Datti	IISc	8 Weeks
noc21-ma19	Mathematics	An Introduction to smooth Manifolds	Prof. Harish Seshadri	IISc	12 Weeks
noc21-ma20	Mathematics	Basic Calculus 1 and 2	Prof. Parasar Mohanty	IITK	8 Weeks
noc21-ma21	Mathematics	Measure Theory	Prof. E. K. Narayanan	IISc	12 Weeks
noc21-ma22	Mathematics	Introduction to Algebraic Geometry and Commutative Algebra	Prof. Dilip Patil	IISc	12 Weeks
noc21-ma23	Mathematics	Statistical Inference	Prof. Niladri Chatterjee	IITD	8 Weeks
noc21-ma24	Mathematics	Advanced Probability Theory	Prof. Niladri Chatterjee	IITD	12 Weeks
noc21-ma25	Mathematics	Functional Analysis	Prof. Kesavan	IMSc	12 Weeks
noc21-ma26	Mathematics	Introduction to Commutative Algebra	Prof. A. V. Jayanthan	IITM	12 Weeks



noc21-ma27	Mathematics	Mathematical Methods in Physics 1	Prof. Auditya Sharma	IISER Bhopal	8 Weeks
noc21-ma28	Mathematics	Introduction to Algebraic Topology (Part-I)	Prof. Anant R. Shastri	IITB	12 Weeks
noc21-ma29	Mathematics	Computational Mathematics with SageMath	Prof. Ajit Kumar	Institute of Chemical Technology, Mumbai	8 Weeks
noc21-ma30	Mathematics	Partial Differential Equations (PDE) for Engineers: Solution by Separation of Variables	Prof. Sirshendu De	IIT KGP	4 Weeks
noc21-ma31	Mathematics	Introduction to Probability (with examples using R)	Prof. Siva Athreya	ISI Bangalore	12 Weeks
noc21-ma32	Mathematics	Algebra - II	Prof. S. Viswanath Prof. Amritanshu Prasad	IMSc	12 Weeks
noc21-ma33	Mathematics	Advanced Partial Differential Equations	Prof. Kaushik Bal	IITK	12 Weeks
noc21-ma34	Mathematics	Applied Multivariate Statistical Modeling	Prof. Jhareswar Maiti	IIT KGP	12 Weeks
noc21-ma35	Mathematics	Essentials of Data Science With R Software - 1: Probability and Statistical Inference	Prof. Shalabh	IITK	12 Weeks
noc21-ma36	Mathematics	Essentials of Data Science With R Software - 2: Sampling Theory and Linear Regression Analysis	Prof. Shalabh	IITK	12 Weeks
noc21-ma37	Mathematics	Descriptive Statistics with R Software	Prof. Prashant Jha Prof. Shalabh	IITK	8 Weeks
noc21-me03	Mechanical Engineering	Introduction to Mechanical Micro Machining	Prof. Ajay M Sidpara	IIT KGP	12 Weeks
noc21-me04	Mechanical Engineering	Metal Cutting and Machine Tools	Prof. Asimava Roy Choudhury	IIT KGP	4 Weeks
noc21-me05	Mechanical Engineering	Non Traditional Abrasive Machining Processes Ultrasonic, Abrasive Jet and Abrasive Water Jet Machining	Prof. Asimava Roy Choudhury	IIT KGP	4 Weeks
noc21-me06	Mechanical Engineering	Gear and Gear Unit Design : Theory and Practice	Prof. Rathindranath Maiti	IIT KGP	8 Weeks
noc21-me07	Mechanical Engineering	Laws of Thermodynamics	Prof. S.K Som Prof. Suman Chakraborty	IIT KGP	4 Weeks
noc21-me08	Mechanical Engineering	Kinematics of Mechanisms and Machines	Prof. Anirvan DasGupta	IIT KGP	8 Weeks
noc21-me09	Mechanical Engineering	Introduction to Fluid Mechanics	Prof. Suman Chakraborty	IIT KGP	12 Weeks



noc21-me10	Mechanical Engineering	Optimization from fundamentals	Prof. Ankur A. Kulkarni	IITB	12 Weeks
noc21-me11	Mechanical Engineering	Conduction and Convection Heat Transfer	Prof. Suman Chakraborty Prof. Sankar Kumar Som	IIT KGP	12 Weeks
noc21-me12	Mechanical Engineering	Fundamental of Welding Science and Technology	Prof. Pankaj Biswas	IITG	8 Weeks
noc21-me13	Mechanical Engineering	Automatic Control	Prof. Anil Kumar	IITR	8 Weeks
noc21-me14	Mechanical Engineering	Failure analysis and Prevention	Prof. D. K. Dwivedi	IITR	8 Weeks
noc21-me15	Mechanical Engineering	Principles of Industrial Engineering	Prof. D. K. Dwivedi	IITR	12 Weeks
noc21-me16	Mechanical Engineering	Inspection and Quality Control in Manufacturing	Prof. Kaushik Pal	IITR	4 Weeks
noc21-me17	Mechanical Engineering	Processing of Polymers and Polymer Composites	Prof. Inderdeep Singh	IITR	8 Weeks
noc21-me18	Mechanical Engineering	Operations Management	Prof. Inderdeep Singh	IITR	12 Weeks
noc21-me19	Mechanical Engineering	Convective Heat Transfer	Prof. Arup Kumar Das	IITR	4 Weeks
noc21-me20	Mechanical Engineering	Two phase flow and heat transfer	Prof. Arup Kumar Das	IITR	4 Weeks
noc21-me21	Mechanical Engineering	Steam and Gas Power Systems	Prof. Ravi Kumar	IITR	8 Weeks
noc21-me22	Mechanical Engineering	Mechanical Measurement Systems	Prof. Ravi Kumar	IITR	8 Weeks
noc21-me23	Mechanical Engineering	Principles of Casting Technology	Prof. Pradeep Kumar Jha	IITR	8 Weeks
noc21-me24	Mechanical Engineering	Financial Mathematics	Prof. Pradeep Kumar Jha	IITR	12 Weeks
noc21-me25	Mechanical Engineering	Modelling and Simulation of Dynamic Systems	Prof. Pushparaj Mani Pathak	IITR	8 Weeks
noc21-me26	Mechanical Engineering	Theory of Composite Shells	Prof. Poonam Kumari	IITG	8 Weeks
noc21-me27	Mechanical Engineering	Mechatronics	Prof. Pushparaj Mani Pathak	IITR	8 Weeks
noc21-me28	Mechanical Engineering	Explosions and Safety	Prof. K. Ramamurthi Prof. Prasad Patnaik BSV	IITM	12 Weeks
noc21-me29	Mechanical Engineering	Mechanics of Machining	Prof. Uday S. Dixit	IITG	8 Weeks
noc21-me30	Mechanical Engineering	Manufacturing Process Technology I & II	Prof. Shantanu Bhattacharya	IITK	12 Weeks
noc21-me31	Mechanical Engineering	Design Practice	Prof. Shantanu Bhattacharya	IITK	8 Weeks
noc21-me32	Mechanical Engineering	Introduction to Robotics	Prof. Ashish Dutta	IITK	12 Weeks



noc21-me33	Mechanical Engineering	Muffler Acoustics – Application to Automotive Exhaust Noise Control	Prof. Akhilesh Mimani	IITK	12 Weeks
noc21-me34	Mechanical Engineering	Elements of Solar Energy Conversion	Prof. Jishnu Bhattacharya	IITK	12 Weeks
noc21-me35	Mechanical Engineering	Thermodynamics	Prof. S. R. Kale	IITD	12 Weeks
noc21-me36	Mechanical Engineering	Finite element modeling of welding processes	Prof. Swarup Bag	IITG	12 Weeks
noc21-me37	Mechanical Engineering	Robotics: Basics and Selected Advanced Concepts	Prof. Ashitava Ghosal	IISc	12 Weeks
noc21-me38	Mechanical Engineering	Introduction to soft matter	Prof. Alope Kumar	IISc	8 Weeks
noc21-me39	Mechanical Engineering	Machining Science	Prof. Sounak Kumar Choudhury	IITK	4 Weeks
noc21-me40	Mechanical Engineering	Manufacturing Processes - Casting and Joining	Prof. Sounak Kumar Choudhury	IITK	4 Weeks
noc21-me41	Mechanical Engineering	Nonlinear Vibration	Prof. S. K. Dwivedy	IITG	12 Weeks
noc21-me42	Mechanical Engineering	Vibrations of Structures	Prof. Anirvan DasGupta	IIT KGP	12 Weeks
noc21-me43	Mechanical Engineering	Evolutionary Computation for Single and Multi-Objective Optimization	Prof. Deepak Sharma	IITG	8 Weeks
noc21-me44	Mechanical Engineering	Wheeled Mobile Robots	Prof. Asokan Thondiyath Prof. Santhakumar Mohan	IITM IIT Palakkad	8 Weeks
noc21-me45	Mechanical Engineering	Viscous Fluid Flow	Prof. Amaresh Dalal	IITG	12 Weeks
noc21-me46	Mechanical Engineering	Computational Fluid Dynamics for Incompressible Flows	Prof. Amaresh Dalal	IITG	12 Weeks
noc21-me47	Mechanical Engineering	Fundamentals of Combustion	Prof. V. Raghavan	IITM	12 Weeks
noc21-me48	Mechanical Engineering	Acoustic Materials and Metamaterials	Prof. Sneha Singh	IITR	8 Weeks
noc21-me49	Mechanical Engineering	Robotics and Control : Theory and Practice	Prof. N. Sukavanam Prof. M. Felix Orlando	IITR	8 Weeks
noc21-me50	Mechanical Engineering	Turbulent Combustion: Theory and Modelling	Prof. Ashoke De	IITK	12 Weeks
noc21-me51	Mechanical Engineering	Oil Hydraulics and Pneumatics	Prof. Somashekar S	IITM	12 Weeks
noc21-me52	Mechanical Engineering	Mechanics of Human Movement	Prof. Sujatha Srinivasan	IITM	12 Weeks
noc21-me53	Mechanical Engineering/ Aerospace/Chemical/Electrical/Civil	Introduction to Uncertainty Analysis and Experimentation	Prof. S. R. Kale	IITD	8 Weeks



noc21-me54	Mechanical Engineering	Fundamentals of Nuclear Power Generation	Prof. Dipankar N. Basu	IITG	12 Weeks
noc21-me55	Mechanical Engineering	Principles of Mechanical Measurement	Prof. Dipankar N. Basu	IITG	12 Weeks
noc21-me56	Mechanical Engineering	Introduction to Abrasive Machining and Finishing Processes	Prof. Mamilla Ravi Sankar	IIT Tirupati	8 Weeks
noc21-me57	Mechanical Engineering	Introduction to Machining and Machining Fluids	Prof. Mamilla Ravi Sankar	IIT Tirupati	8 Weeks
noc21-me58	Mechanical Engineering	Traditional and Non-Traditional Optimization Tools	Prof. Dilip Kumar Pratihar	IIT KGP	8 Weeks
noc21-me59	Mechanical Engineering	Nature and Properties of Materials	Prof. Bishakh Bhattacharya	IITK	8 Weeks
noc21-me60	Mechanical Engineering	Smart Materials and Intelligent System Design	Prof. Bishakh Bhattacharya	IITK	4 Weeks
noc21-me61	Mechanical Engineering	Fundamentals of combustion for propulsion	Prof. S Varunkumar Prof. H S Mukunda	IITM IISc Bangalore	8 Weeks
noc21-me62	Mechanical Engineering	Experimental Methods in Fluid Mechanics	Prof. Pranab K. Mondal	IITG	12 Weeks
noc21-me64	Mechanical Engineering	Computational Fluid Dynamics and Heat Transfer	Prof. Gautam Biswas	IITK	12 Weeks
noc21-me65	Mechanical Engineering	Computer Integrated Manufacturing	Prof. J. Ramkumar Prof. Amandeep Singh	IITK	12 Weeks
noc21-me66	Mechanical Engineering	Product Design and Manufacturing	Prof. J. Ramkumar Prof. Amandeep Singh	IITK	12 Weeks
noc21-me67	Mechanical Engineering	Industrial Automation and Control	Prof. Siddhartha Mukhopadhyay	IIT KGP	12 Weeks
noc21-me68	Mechanical Engineering	Tools in Scientific Computing	Prof. Aditya Bandopadhyay	IIT KGP	8 Weeks
noc21-me69	Mechanical Engineering	IC Engines and Gas Turbines	Prof. Pranab K. Mondal Prof. Vinayak N. Kulkarni	IITG	12 Weeks
noc21-mm01	Metallurgical and Materials Engineering	Welding Processes	Prof. Murugaiyan Amirthalingam	IITM	12 Weeks
noc21-mm02	Metallurgical and Materials Engineering	Theory and Practice of Non Destructive Testing	Prof. Ranjit Bauri	IITM	8 Weeks




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noc21-mm03	Metallurgical and Materials Engineering	Fundamentals Of Electronic Materials and Devices	Prof. Parasuraman Swaminathan	IITM	8 Weeks
noc21-mm04	Metallurgical and Materials Engineering	Materials Science and Engineering	Prof. Vivek Pancholi	IITR	8 Weeks
noc21-mm05	Metallurgical and Materials Engineering	Surface Engineering of Nanomaterials	Prof. Kaushik Pal	IITR	8 Weeks
noc21-mm06	Metallurgical and Materials Engineering	Steel Quality: Role of Secondary Refining & Continuous Casting	Prof. Santanu Kr. Ray	IITM	12 Weeks
noc21-mm07	Metallurgical and Materials Engineering	Material Characterization	Prof. Sankaran.S	IITM	12 Weeks
noc21-mm08	Metallurgical and Materials Engineering	Carbon Materials and Manufacturing	Prof. Swati Sharma	IIT Mandi	12 Weeks
noc21-mm09	Metallurgical and Materials Engineering	Dealing with materials data : collection, analysis and interpretation	Prof. M P Gururajan Prof. Hina Gokhale	IITB	12 Weeks
noc21-mm10	Metallurgical and Materials Engineering	Cathodic Protection Engineering	Prof. V.S. Raja	IITB	4 Weeks
noc21-mm11	Metallurgical and Materials Engineering	Properties of Materials (Nature and Properties of Materials : III)	Prof. Ashish Garg	IITK	8 Weeks
noc21-mm12	Metallurgical and Materials Engineering	Solar Photovoltaics: Principles, Technologies & Materials	Prof. Ashish Garg	IITK	8 Weeks
noc21-mm13	Metallurgical and Materials Engineering	Diffusion in Multicomponent Solids	Prof. Kaustubh Kulkarni	IITK	12 Weeks
noc21-mm14	Metallurgical and Materials Engineering	Non - Metallic Materials	Prof. Subhasish Basu Majumder	IIT KGP	12 Weeks
noc21-mm15	Metallurgical and Materials Engineering	Fundamentals of Material Processing - Part 2	Prof. Shashank Shekhar Prof. Anshu Gaur	IITK	8 Weeks
noc21-mm16	Metallurgical and Materials Engineering	Scanning Electron / Ion / Probe Microscopy in Materials Characterization	Prof. Debabrata Pradhan	IIT KGP	8 Weeks
noc21-mm17	Mining Engineering	Mining Machinery	Prof. Khanindra Pathak	IIT KGP	12 Weeks
noc21-ge02	Multidisciplinary	Effective Engineering Teaching In Practice	Prof. G. K. Suraishkumar Prof. Edamana Prasad Prof. Richa Verma	IITM	4 Weeks
noc21-ge03	Multidisciplinary	Introduction to Research	Prof. Prathap Haridoss	IITM	8 Weeks
noc21-ge04	Multidisciplinary	Non-Conventional Energy Resources	Prof. Prathap Haridoss	IITM	12 Weeks




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noc21-ge05	Multidisciplinary	Roadmap for patent creation	Prof. Gouri Gargate	IIT KGP	8 Weeks
noc21-ge06	Multidisciplinary	Entrepreneurship Essentials	Prof. Manoj Kumar Mondal	IIT KGP	12 Weeks
noc21-ge07	Multidisciplinary	Fuzzy Logic and Neural Networks	Prof. Dilip Kumar Pratihar	IIT KGP	8 Weeks
noc21-ge08	Multidisciplinary	NBA Accreditation and Teaching - Learning in Engineering (NATE)	Prof. N J Rao Prof. K. Rajanikanth	IISc & MSRIT	12 Weeks
noc21-ge09	Multidisciplinary	Fundamental of Fluid Mechanics for Chemical and Biomedical Engineers	Prof. Raghvendra Gupta	IITG	12 Weeks
noc21-ge10	Multidisciplinary	Matlab Programming for Numerical Computation	Prof. Niket Kaisare	IITM	8 Weeks
noc21-ge11	Multidisciplinary	Designing Learner-Centric MOOCs	Prof. Sridhar Iyer Prof. Gargi Banerjee Prof. Jayakrishnan M Prof. Sameer Sahasrabudhe	IITB	4 Weeks
noc21-ge12	Multidisciplinary	Qualitative Research Methods And Research Writing	Prof. Aradhna Malik	IIT KGP	12 Weeks
noc21-ge14	Multidisciplinary	Current regulatory requirements for conducting clinical trials in India for investigational new drugs/new drug (Version 3.0)	Prof. Arun B. Ramteke Prof. Sucheta Banerjee Kurundkar Prof. Nandini K Kumar Prof. Y. K. Gupta Prof. D. K. Sable Prof. Rubina Bose Prof. Vishnu Rao	CDSA, THSTI, D BT	8 Weeks
noc21-oe01	Ocean Engineering	Offshore Structures Under Special Environmental Loads Including Fire Resistance	Prof. Srinivasan Chandrasekaran	IITM	12 Weeks
noc21-ph01	Physics	Introduction to LASER	Prof. M R Shenoy	IITD	12 Weeks
noc21-ph02	Physics	Physics through Computational Thinking	Prof. Auditya Sharma Prof. Ambar Jain	IISER Bhopal	8 Weeks
noc21-ph03	Physics	Group Theory methods in Physics	Prof. P. Ramadevi	IITB	12 Weeks
noc21-ph04	Physics	Quantum Mechanics I	Prof. P. Ramadevi	IITB	12 Weeks
noc21-ph05	Physics	Electromagnetism	Prof. Nirmal Ganguli	IISER Bhopal	12 Weeks
noc21-ph06	Physics	Fluid Dynamics for Astrophysics	Prof. Prasad Subramanian	IISER Pune	12 Weeks



noc21-ph07	Physics	Introduction to Astrophysical Fluids	Prof. Supratik Banerjee	IITK	12 Weeks
noc21-ph08	Physics	Quantum Transport	Prof. Madhu Thalakulam	IISER Thiruvananthapuram	12 Weeks
noc21-ph09	Physics	Statistical Mechanics	Prof. Dipanjan Chakraborty	IISER Mohali	12 Weeks
noc21-ph10	Physics	Electronic Theory Of Solids	Prof. Arghya Taraphder	IIT KGP	12 Weeks
noc21-ph11	Physics	Experimental Physics II	Prof. Amal Kumar Das	IIT KGP	12 Weeks
noc21-ph12	Physics	Experimental Physics III	Prof. Amal Kumar Das	IIT KGP	12 Weeks
noc21-ph13	Physics	Physics of Biological Systems	Prof. Mithun Mitra	IITB	12 Weeks
noc21-ph14	Physics	A brief course on Superconductivity	Prof. Saurabh Basu	IITG	4 Weeks
noc21-ph15	Physics	Advanced Condensed Matter Physics	Prof. Saurabh Basu	IITG	8 Weeks
noc21-ph16	Physics	Introduction to Atmospheric and Space Sciences	Prof. M V Sunil Krishna	IITR	12 Weeks
noc21-ph17	Physics	Optical Sensors	Prof. Sachin Kumar Srivastava	IITR	4 Weeks
noc21-ph18	Physics	Physics of linear and nonlinear optical waveguides	Prof. Samudra Roy	IIT KGP	12 Weeks
noc21-te01	Textile Engineering	Evaluation of Textiles Materials	Prof. Apurba Das	IITD	12 Weeks
noc21-te02	Textile Engineering	Testing of Functional and Technical Textiles	Prof. Apurba Das	IITD	8 Weeks
noc21-te03	Textile Engineering	Theory of Yarn Structure	Prof. Dipayan Das	IITD	12 Weeks
noc21-te04	Textile Engineering	Advanced Textile Printing Technology	Prof. Kushal Sen	IITD	8 Weeks
noc21-te05	Textile Engineering	Textured Yarn Technology	Prof. Kushal Sen	IITD	12 Weeks
noc20-ae04	Aerospace Engineering	UAV Design - Part II	Prof. Saderla Subrahmanyam	IITK	8 Weeks
noc20-ae05	Aerospace Engineering	Aircraft Stability and Control	Prof. A. K. Ghosh	IITK	12 Weeks
noc20-ae06	Aerospace Engineering	Space Flight Mechanics	Prof. Manoranjan Sinha	IIT KGP	12 Weeks
noc20-ae07	Aerospace Engineering	Advance Aircraft Maintenance	Prof. A. K. Ghosh Prof. Vipul Mathur	IITK	8 Weeks
noc20-ae08	Aerospace Engineering	Aircraft Structures - I	Prof. Anup Ghosh	IIT KGP	8 Weeks
noc20-ae09	Aerospace Engineering	Engineering Thermodynamics	Prof. D. P. Mishra	IITK	12 Weeks
noc20-ae10	Aerospace Engineering	Introduction to Ancient Indian Technology	Prof. D. P. Mishra	IITK	8 Weeks
noc20-ae11	Aerospace Engineering	Introduction to CFD	Prof. Arnab Roy	IIT KGP	12 Weeks
noc20-ae12	Aerospace Engineering	Introduction to Aerospace Engineering	Prof. Rajkumar Pant	IITB	12 Weeks




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noc20-ae13	Aerospace Engineering	Introduction to Airbreathing Propulsion	Prof. Ashoke De	IITK	12 Weeks
noc20-ae14	Aerospace Engineering	Introduction to Aircraft Design	Prof. Rajkumar Pant	IITB	12 Weeks
noc20-ag01	Agriculture Engineering	Fundamentals of Food Process Engineering	Prof. Jayeeta Mitra	IIT KGP	12 Weeks
noc20-ag02	Agriculture Engineering	Dairy and Food process and products technology	Prof. Tridib Kumar Goswami	IIT KGP	12 Weeks
noc20-ag03	Agriculture Engineering	Thermal Operations in Food Process Engineering: Theory and Applications	Prof. Tridib Kumar Goswami	IIT KGP	12 Weeks
noc20-ag04	Agriculture Engineering	Irrigation and Drainage	Prof. Damodhara Rao Mailapalli	IIT KGP	12 Weeks
noc20-ag05	Agriculture Engineering	Organic Farming for Sustainable Agricultural Production	Prof. Dillip Kumar Swain	IIT KGP	8 Weeks
noc20-ag06	Agriculture Engineering	Farm Machinery	Prof. V. K. Tewari	IIT KGP	12 Weeks
noc20-ag07	Agriculture Engineering	Thermal Processing of Foods	Prof. R. Anandalakshmi	IITG	12 Weeks
noc20-me46	Applied mechanics	Engineering Mechanics	Prof. K. Ramesh	IITM	12 Weeks
noc20-me47	Applied mechanics	Engineering Fracture Mechanics	Prof. K. Ramesh	IITM	12 Weeks
noc20-ar04	Architecture And Planning	Building Materials and Composites	Prof. Sumana Gupta	IIT KGP	8 Weeks
noc20-ar05	Architecture And Planning	Environmental Soil Chemistry	Prof. Somsubhra Chakraborty	IIT KGP	12 Weeks
noc20-ar07	Architecture And Planning	Architectural Acoustics	Prof. Sumana Gupta Prof. Shankha Pratim Bhattacharya	IIT KGP	8 Weeks
noc20-ar08	Architecture And Planning	Contemporary Architecture and Design	Prof. Saptarshi Kolay	IITR	8 Weeks
noc20-ar09	Architecture And Planning	Role of Craft and Technology in Interior - Architecture	Prof. Smriti Saraswat	IITR	8 Weeks
noc20-ar10	Architecture And Planning	Structural System in Architecture	Prof. Shankha Pratim Bhattacharya	IIT KGP	8 Weeks
noc20-ar11	Architecture And Planning	Urban Landuse and transportation planning	Prof. Debapratim Pandit	IIT KGP	12 Weeks
noc20-ar12	Architecture And Planning	Urban governance and Development Management (UGDM)	Prof. Uttam Kumar Roy	IITR	12 Weeks
noc20-ar13	Architecture And Planning	Disaster Recovery And Build Back Better	Prof. Ram Sateesh Pasupuleti Prof. Subhojyothi Samaddar	IITR	8 Weeks
noc20-ar14	Architecture And Planning	Housing Policy & Planning	Prof. Uttam Kumar Roy	IITR	8 Weeks
noc20-ar15	Architecture And Planning	Visual Communication Design for Digital Media	Prof. Saptarshi Kolay	IITR	4 Weeks



noc20-ar16	Architecture And Planning	Principles and applications of building science	Prof. E. Rajasekar	IITR	4 Weeks
noc20-bt19	Biotechnology & Bioengineering	Introduction to Proteogenomics	Prof. Sanjeeva Srivastava	IITB	12 Weeks
noc20-bt20	Biotechnology & Bioengineering	Introduction To Proteomics	Prof. Sanjeeva Srivastava	IITB	8 Weeks
noc20-bt21	Biotechnology & Bioengineering	Industrial Biotechnology	Prof. Debabrata Das	IIT KGP	12 Weeks
noc20-bt22	Biotechnology & Bioengineering	Biomicrofluidics	Prof. Tapas Kumar Maiti Prof. Suman Chakraborty	IIT KGP	4 Weeks
noc20-bt23	Biotechnology & Bioengineering	Computer Aided Drug Design	Prof. Mukesh Doble	IITM	8 Weeks
noc20-bt24	Biotechnology & Bioengineering	Drug Delivery: Principles and Engineering	Prof. Rachit Agarwal	IISc	12 Weeks
noc20-bt25	Biotechnology & Bioengineering	Principles Of Downstream Techniques In Bioprocess	Prof. Mukesh Doble	IITM	12 Weeks
noc20-bt26	Biotechnology & Bioengineering	Bioreactors	Prof. G. K. Suraishkumar	IITM	4 Weeks
noc20-bt27	Biotechnology & Bioengineering	Introduction to mechanobiology	Prof. Shamik Sen	IITB	8 Weeks
noc20-bt28	Biotechnology & Bioengineering	Introduction to Biostatistics	Prof. Shamik Sen	IITB	8 Weeks
noc20-bt29	Biotechnology & Bioengineering	Biomedical nanotechnology	Prof. P. Gopinath	IITR	4 Weeks
noc20-bt30	Biotechnology & Bioengineering	Transport Phenomena in Biological Systems	Prof. G. K. Suraishkumar	IITM	12 Weeks
noc20-bt31	Biotechnology & Bioengineering	Experimental Biotechnology	Prof. Vishal Trivedi	IITG	12 Weeks
noc20-bt32	Biotechnology & Bioengineering	Genetic Engineering: Theory And Application	Prof. Vishal Trivedi	IITG	12 Weeks
noc20-bt33	Biotechnology & Bioengineering	Tissue engineering	Prof. Vignesh Muthuvijayan	IITM	8 Weeks
noc20-bt34	Biotechnology & Bioengineering	Plant Cell Bioprocessing	Prof. Smita Srivastava	IITM	8 Weeks
noc20-bt35	Biotechnology & Bioengineering	Introduction to Developmental Biology	Prof. Subramaniam K	IITM	12 Weeks
noc20-bt36	Biotechnology & Bioengineering	Plant Developmental Biology	Prof. Shri Ram Yadav	IITR	4 Weeks
noc20-bt37	Biotechnology & Bioengineering	Fundamentals of micro and nanofabrication	Prof. Sushobhan avasthi Prof. Shankar Selvaraja	IISc	12 Weeks
noc20-bt38	Biotechnology & Bioengineering	Wildlife Ecology	Prof. Ankur Awadhiya	IITK	12 weeks
noc20-bt39	Biotechnology & Bioengineering	Wildlife Conservation	Prof. Ankur Awadhiya	IITK	8 weeks
noc20-bt40	Biotechnology & Bioengineering	Functional Genomics	Prof. S. Ganesh	IITK	4 weeks



noc20-bt41	Biotechnology & Bioengineering	Nanotechnology in Agriculture	Prof. Mainak Das	IITK	8 weeks
noc20-bt42	Biotechnology & Bioengineering	Animal Physiology	Prof. Mainak Das	IITK	12 weeks
noc20-bt43	Biotechnology & Bioengineering	Immunology	Prof. Sudip Kumar Ghosh Prof. Agneyo Ganguly	IIT KGP	12 weeks
noc20-ch21	Chemical Engineering	Heat Transfer	Prof. Sunando Dasgupta	IIT KGP	12 Weeks
noc20-ch22	Chemical Engineering	Phase equilibrium thermodynamics	Prof. Gargi Das	IIT KGP	8 Weeks
noc20-ch23	Chemical Engineering	Infrared spectroscopy for pollution monitoring	Prof. J. R. Mudakavi	IISc	4 Weeks
noc20-ch24	Chemical Engineering	Natural Gas Engineering	Prof. Pankaj Tiwari	IITG	8 Weeks
noc20-ch25	Chemical Engineering	Chemical Reaction Engineering-I	Prof. Bishnupada Mandal	IITG	12 Weeks
noc20-ch26	Chemical Engineering	Fluidization Engineering	Prof. Subrata Kumar Majumder	IITG	12 Weeks
noc20-ch27	Chemical Engineering	Mechanical Unit Operations	Prof. Nanda Kishore	IITG	12 Weeks
noc20-ch28	Chemical Engineering	Chemical Process Control	Prof. Sujit Jogwar	IITB	8 Weeks
noc20-ch29	Chemical Engineering	Unit operations of particulate matter	Prof. Shabina Khanam	IITR	4 Weeks
noc20-ch30	Chemical Engineering	Introduction to Polymer Physics	Prof. Amit Kumar	IITG	8 Weeks
noc20-ch31	Chemical Engineering	Plant Design and Economics	Prof. Debasis Sarkar	IIT KGP	12 Weeks
noc20-ch33	Chemical Engineering	Fluid and Particle Mechanics	Prof. Sumesh Prof. Basavaraju	IITM	12 Weeks
noc20-ch34	Chemical Engineering	Chemical Engineering Thermodynamics	Prof. Jayant K. Singh	IITK	12 Weeks
noc20-ch35	Chemical Engineering	Thermodynamics of Fluid Phase Equilibria	Prof. Jayant K. Singh	IITK	8 Weeks
noc20-ch36	Chemical Engineering	Colloids and Surfaces	Prof. Basavaraj Madivala Gurappa	IITM	8 Weeks
noc20-ch37	Chemical Engineering	Technologies For Clean And Renewable Energy Production	Prof. P. Mondal	IITR	8 Weeks
noc20-ch38	Chemical Engineering	Chemical Process Safety	Prof. Shishir Sinha	IITR	12 Weeks
noc20-ch39	Chemical Engineering	Mechanical Operation	Prof. Shabina Khanam	IITR	4 Weeks
noc20-ch40	Chemical Engineering	Chemical Process Intensification	Prof. Subrata Kumar Majumder	IITG	12 Weeks
noc20-ch41	Chemical Engineering	Polymers: concepts, properties, uses and sustainability	Prof. Abhijit P Deshpande	IITM	12 Weeks
noc20-cy17	Chemistry	Laser: Fundamentals and Applications	Prof. Manabendra Chandra	IITK	8 Weeks
noc20-cy18	Chemistry	Analytical chemistry	Prof. Debashis Ray	IIT KGP	12 Weeks



noc20-cy19	Chemistry	Co-Ordination Chemistry (Chemistry Of Transition Elements)	Prof. Debashis Ray	IIT KGP	12 Weeks
noc20-cy20	Chemistry	Stereochemistry	Prof. Amit Basak	IIT KGP	8 Weeks
noc20-cy21	Chemistry	Introduction to Polymer Science	Prof. Dibakar Dhara	IIT KGP	8 Weeks
noc20-cy22	Chemistry	Introduction to Chemical Thermodynamics and Kinetics	Prof. Arijit Kumar De	IISER Mohali	12 Weeks
noc20-cy23	Chemistry	Application of Spectroscopic Methods in Molecular Structure Determination	Prof. S. Sankararaman	IITM	8 Weeks
noc20-cy25	Chemistry	Chemical Crystallography	Prof. Angshuman Roy Choudhury	IISER Mohali	12 Weeks
noc20-cy26	Chemistry	Mechanisms in Organic Chemistry	Prof. Nandita Madhavan	IITB	8 Weeks
noc20-cy27	Chemistry	Quantum Chemistry of Atoms and Molecules	Prof. Anindya Datta	IITB	12 Weeks
noc20-cy28	Chemistry	Basic Statistical Mechanics	Prof. Biman Bagchi	IITB	12 Weeks
noc20-cy29	Chemistry	Metals in Biology	Prof. D. Maiti	IITB	8 Weeks
noc20-cy30	Chemistry	Introductory Organic Chemistry I	Prof. Neeraja Dashaputre Prof. Harinath Chakrapani	IISER Pune	8 Weeks
noc20-cy31	Chemistry	Quantum Mechanics and Molecular Spectroscopy	Prof. G Naresh Patwari	IITB	8 Weeks
noc20-cy32	Chemistry	Spectroscopic Techniques for Pharmaceutical and Biopharmaceutical Industries	Prof. Shashank Deep	IITD	12 Weeks
noc20-cy33	Chemistry	Biophysical chemistry	Prof. Pramit Kumar Chowdhury	IITD	12 Weeks
noc20-cy34	Chemistry	Principles Of Organic Synthesis	Prof. T Punniyamurthy	IITG	12 Weeks
noc20-cy35	Chemistry	Reagents In Organic Synthesis	Prof. Subhas Chandra Pan	IITG	12 Weeks
noc20-cy36	Chemistry	One and two dimensional NMR Spectroscopy for chemists	Prof. N. Suryaprakash	IISc	12 Weeks
noc20-ce33	Civil Engineering	Earth Sciences For Civil Engineering Part - I & II	Prof. Javed N. Malik	IITK	8 Weeks
noc20-ce34	Civil Engineering	Strength Of Materials	Prof. Sriman Kumar Bhattacharyya	IIT KGP	12 Weeks
noc20-ce35	Civil Engineering	Structural analysis-I	Prof. Amit Shaw	IIT KGP	12 Weeks
noc20-ce36	Civil Engineering	Foundation Engineering	Prof. Kousik Deb	IIT KGP	12 Weeks
noc20-ce37	Civil Engineering	Design of steel structures	Prof. Damodar Maity	IIT KGP	12 Weeks





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noc20-ce38	Civil Engineering	Soil Mechanics/Geotechnical Engineering I	Prof. Dilip Kumar Baidya	IIT KGP	12 Weeks
noc20-ce39	Civil Engineering	Design Of Reinforced Concrete Structures	Prof. Nirjhar Dhang	IIT KGP	12 Weeks
noc20-ce40	Civil Engineering	Reinforced Concrete Road Bridges	Prof. Nirjhar Dhang	IIT KGP	4 Weeks
noc20-ce41	Civil Engineering	Matrix Method of Structural Analysis	Prof. Amit Shaw Prof. Biswanath Banerjee	IIT KGP	8 Weeks
noc20-ce42	Civil Engineering	Theory of Elasticity	Prof. Amit Shaw Prof. Biswanath Banerjee	IIT KGP	12 Weeks
noc20-ce43	Civil Engineering	Integrated Waste Management for a Smart City	Prof. Brajesh Kumar Dubey	IIT KGP	12 Weeks
noc20-ce44	Civil Engineering	Project Planning & Control	Prof. Koshy Varghese	IITM	8 Weeks
noc20-ce45	Civil Engineering	Advanced Concrete Technology	Prof. Manu Santhanam	IITM	12 Weeks
noc20-ce46	Civil Engineering	Glass Processing Technology	Prof. K N Satyanarayana Prof. E. Rajasekar	IITM & Glass Academy	12 Weeks
noc20-ce47	Civil Engineering	Glass in buildings : Design and applications	Prof. K N Satyanarayana Prof. E. Rajasekar	IITM & Glass Academy	12 Weeks
noc20-ce48	Civil Engineering	Geotechnical Engineering Laboratory	Prof. J. N. Mandal	IITB	4 Weeks
noc20-ce49	Civil Engineering	Geosynthetics Testing Laboratory	Prof. J. N. Mandal	IITB	4 Weeks
noc20-ce50	Civil Engineering	Mechanics Of Materials	Prof. Saravanan U	IITM	12 Weeks
noc20-ce51	Civil Engineering	GPS Surveying	Prof. J. K. Ghosh	IITR	4 Weeks
noc20-ce52	Civil Engineering	Earthquake Resistant Design of Foundations	Prof. B. K. Maheshwari	IITR	8 Weeks
noc20-ce53	Civil Engineering	Introduction to Multimodal Urban Transportation Systems (MUTS)	Prof. Arkopal Kishore Goswami	IIT KGP	12 Weeks
noc20-ce54	Civil Engineering	River Engineering	Prof. Subashisa Dutta	IITG	8 Weeks
noc20-ce55	Civil Engineering	Design of Masonry Structures	Prof. Arun Menon	IITM	12 Weeks
noc20-ce56	Civil Engineering	Municipal Solid Waste Management	Prof. Ajay Kalamdhad	IITG	12 Weeks
noc20-ce57	Civil Engineering	Environmental Chemistry	Prof. Bhanu Prakash Vellanki	IITR	12 Weeks
noc20-ce58	Civil Engineering	Remote Sensing and GIS	Prof. Rishikesh Bharti	IITG	8 weeks
noc20-ce59	Civil Engineering	Fluid Mechanics	Prof. Subashisa Dutta	IITG	8 weeks
noc20-ce60	Civil Engineering	Photogeology in Terrain Evaluation (Part 1 and 2)	Prof. Javed N. Malik	IITK	8 weeks



noc20-ce61	Civil Engineering	Introduction to Engineering Seismology	Prof. Anbazhagan P	IISc	12 Weeks
noc20-ce62	Earth Sciences	Global Navigation Satellite Systems And Applications	Prof. Arun K. Saraf	IITR	4 Weeks
noc20-cs56	Computer Science and Engineering	Problem solving through Programming In C	Prof. Anupam Basu	IIT KGP	12 Weeks
noc20-cs57	Computer Science and Engineering	Programming in C++	Prof. Partha Pratim Das	IIT KGP	8 Weeks
noc20-cs58	Computer Science and Engineering	Programming in Java	Prof. Debasis Samanta	IIT KGP	12 Weeks
noc20-cs59	Computer Science and Engineering	Object Oriented Analysis and Design	Prof. Partha Pratim Das Prof. Ansuman Banerjee Prof. Kausik Datta	IIT KGP	8 Weeks
noc20-cs60	Computer Science and Engineering	Data Base Management System	Prof. Partha Pratim Das Prof. Samiran Chattopadhyay	IIT KGP	8 Weeks
noc20-cs61	Computer Science and Engineering	Scalable Data Science	Prof. Anirban Dasgupta Prof. Sourangshu Bhattacharya	IIT KGP	8 Weeks
noc20-cs62	Computer Science and Engineering	Deep Learning	Prof. Prabir Kumar Biswas	IIT KGP	12 Weeks
noc20-cs63	Computer Science and Engineering	Hardware modeling using verilog	Prof. Indranil Sengupta	IIT KGP	8 Weeks
noc20-cs64	Computer Science and Engineering	Computer architecture and organization	Prof. Indranil Sengupta Prof. Kamalika Datta	IIT KGP	12 Weeks
noc20-cs65	Computer Science and Engineering	Cloud computing	Prof. Soumya Kanti Ghosh	IIT KGP	8 Weeks
noc20-cs66	Computer Science and Engineering	Introduction to internet of things	Prof. Sudip Misra	IIT KGP	12 Weeks
noc20-cs67	Computer Science and Engineering	Switching Circuits and Logic Design	Prof. Indranil Sengupta	IIT KGP	12 Weeks
noc20-cs68	Computer Science and Engineering	Software Engineering	Prof. Rajib Mall	IIT KGP	12 Weeks
noc20-cs69	Computer Science and Engineering	Introduction to Industry 4.0 and Industrial Internet of Things	Prof. Sudip Misra	IIT KGP	12 Weeks




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noc20-cs70	Computer Science and Engineering	Programming, Data Structures And Algorithms Using Python	Prof. Madhavan Mukund	CMI	8 Weeks
noc20-cs71	Computer Science and Engineering	Design and analysis of algorithms	Prof. Madhavan Mukund	CMI	8 Weeks
noc20-cs72	Computer Science and Engineering	Data Science for Engineers	Prof. Ragunathan Rengasamy Prof. Shankar Narasimhan	IITM	8 Weeks
noc20-cs73	Computer Science and Engineering	Introduction to Machine Learning	Prof. Balaraman Ravindran	IITM	12 Weeks
noc20-cs74	Computer Science and Engineering	Reinforcement Learning	Prof. Balaraman Ravindran	IITM	12 Weeks
noc20-cs75	Computer Science and Engineering	Introduction to Operating Systems	Prof. Chester Rebeiro	IITM	8 Weeks
noc20-cs77	Computer Science and Engineering	Software Testing	Prof. Meenakshi D'souza	IIITB	12 Weeks
noc20-cs78	Computer Science and Engineering	Social Networks	Prof. Sudarshan Iyengar	IIT Ropar	12 Weeks
noc20-cs79	Computer Science and Engineering	Introduction To Haskell Programming	Prof. S. P Suresh	CMI	8 Weeks
noc20-cs80	Computer Science and Engineering	Python for Data Science	Prof. Ragunathan Rengasamy	IITM	4 Weeks
noc20-cs81	Computer Science and Engineering	Artificial Intelligence Search Methods For Problem Solving	Prof. Deepak Khemani	IITM	12 Weeks
noc20-cs82	Computer Science and Engineering	Discrete Mathematics	Prof. Sudarshan Iyengar Prof. Neeldhara	IIT Ropar & IIT Gandhinagar	12 Weeks
noc20-cs83	Computer Science and Engineering	The Joy of Computing using Python	Prof. Sudarshan Iyengar Prof. Yayati Gupta	IIT Ropar	12 Weeks
noc20-cs84	Computer Science and Engineering	Object Oriented System Development using UML, Java and Patterns	Prof. Rajib Mall	IIT KGP	12 Weeks
noc20-cs85	Computer Science and Engineering	Data Structure and algorithms using Java	Prof. Debasis Samanta	IIT KGP	12 Weeks
noc20-cs86	Computer Science and Engineering	Demystifying Networking	Prof. Sridhar Iyer	IITB	4 Weeks
noc20-cs87	Computer Science and Engineering	Applied Natural Language Processing	Prof. Ramaseshan R	CMI	12 Weeks
noc20-cs88	Computer Science and Engineering	Deep Learning for Computer Vision	Prof. Vineeth N Balasubramanian	IITH	12 Weeks




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noc20-cs90	Computer Science and Engineering	Computer Graphics	Prof. Samit Bhattacharya	IITG	8 Weeks
noc20-cs91	Computer Science and Engineering	Introduction to Programming in C	Prof. Satyadev Nandakumar	IITK	8 weeks
noc20-cs92	Computer Science and Engineering	Big Data Computing	Prof. Rajiv Misra	IITP	8 weeks
noc20-cs93	Computer Science and Engineering	Introduction to algorithms and analysis	Prof. Sourav Mukhopadhyay	IIT KGP	12 Weeks
noc20-cs94	Computer Science and Engineering	C Programming and Assembly Language	Prof. Janakiraman Viraraghavan	IITM	4 Weeks
noc20-cs95	Computer Science and Engineering	Practical Machine Learning with Tensorflow	Prof. Ashish Tendulkar Prof. Balaraman Ravindran	IITM & Google	8 weeks
noc20-cs96	Computer Science and Engineering	Google Cloud Computing Foundations	Prof. Soumya Kanti Ghosh	IIT KGP & Google	8 weeks
noc20-mg37	Computer Science and Engineering	Bandit Algorithm (Online Machine Learning)	Prof. Manjesh hanawal	IITB	12 Weeks
noc20-de07	Design Engineering	System design for sustainability	Prof. Sharmistha Banerjee	IITG	12 Weeks
noc20-de08	Design Engineering	Innovation by Design	Prof. B. K. Chakravarthy	IITB	4 Weeks
noc20-de09	Design Engineering	Understanding Design	Prof. Nina Sabnani	IITB	4 Weeks
noc20-de10	Design Engineering	Functional and Conceptual Design	Prof. Asokan T	IITM	12 Weeks
noc20-de11	Design Engineering	Introduction to robotics	Prof. Asokan T Prof. Balaraman Ravindran Prof. Krishna Vasudevan	IITM	12 Weeks
noc20-de12	Design Engineering	Ergonomics Workplace Analysis	Prof. Urmi R. Salve	IITG	4 Weeks
noc20-de13	Design Engineering	Design, Technology and Innovation	Prof. B.K. Chakravarthy	IITB	8 Weeks
noc20-de14	Design Engineering	Understanding Ethnography	Prof. Nina Sabnani	IITB	8 Weeks
noc20-ee55	Electrical and Electronics Engineering	Op-Amp Practical Applications: Design, Simulation and Implementation	Prof. Hardik Pandya	IISc	12 Weeks
noc20-ee56	Electrical and Electronics Engineering	Fabrication Techniques for MEMs-based sensors : clinical perspective	Prof. Hardik Pandya	IISc	12 Weeks
noc20-ee57	Electrical and Electronics Engineering	Design of photovoltaic systems	Prof. L Umanand	IISc	12 Weeks



noc20-ee58	Electrical and Electronics Engineering	Principles of Signal Estimation for MIMO/ OFDM Wireless Communication	Prof. Aditya K. Jagannatham	IITK	12 Weeks
noc20-ee59	Electrical and Electronics Engineering	Applied Optimization for Wireless, Machine Learning, Big Data	Prof. Aditya K. Jagannatham	IITK	12 Weeks
noc20-ee60	Electrical and Electronics Engineering	Electrical Machines - I	Prof. Tapas Kumar Bhattacharya	IIT KGP	12 Weeks
noc20-ee61	Electrical and Electronics Engineering	Introduction to Wireless and Cellular Communications	Prof. David Koilpillai	IITM	12 Weeks
noc20-ee62	Electrical and Electronics Engineering	Control engineering	Prof. Ramkrishna Pasumarthy	IITM	12 Weeks
noc20-ee63	Electrical and Electronics Engineering	Microwave Theory and Techniques	Prof. Girish Kumar	IITB	12 Weeks
noc20-ee64	Electrical and Electronics Engineering	Basic Electrical Circuits	Prof. Nagendra Krishnapura	IITM	12 Weeks
noc20-ee65	Electrical and Electronics Engineering	Introduction to Smart Grid	Prof. N. P. Padhy Prof. Premalata Jena	IITR	8 Weeks
noc20-ee67	Electrical and Electronics Engineering	Advances in UHV Transmission and Distribution	Prof. Subbba Reddy B	IISc	8 Weeks
noc20-ee68	Electrical and Electronics Engineering	Fundamentals of Electrical Engineering	Prof. Debapriya Das	IIT KGP	12 Weeks
noc20-ee69	Electrical and Electronics Engineering	Analog communication	Prof. Goutam Das	IIT KGP	12 Weeks
noc20-ee70	Electrical and Electronics Engineering	Digital Circuits	Prof. Santanu Chattopadhyay	IIT KGP	12 Weeks
noc20-ee71	Electrical and Electronics Engineering	Millimeter Wave Technology	Prof. Mrinal Kanti Mandal	IIT KGP	8 Weeks
noc20-ee72	Electrical and Electronics Engineering	Power system analysis	Prof. Debapriya Das	IIT KGP	12 Weeks
noc20-ee73	Electrical and Electronics Engineering	Power System Protection	Prof. Ashok Kumar Pradhan	IIT KGP	12 Weeks
noc20-ee74	Electrical and Electronics Engineering	Deep Learning For Visual Computing	Prof. Debdoot Sheet	IIT KGP	12 Weeks
noc20-ee75	Electrical and Electronics Engineering	Digital Image Processing	Prof. Prabir Kumar Biswas	IIT KGP	12 Weeks
noc20-ee76	Electrical and Electronics Engineering	Digital VLSI Testing	Prof. Santanu Chattopadhyay	IIT KGP	12 Weeks
noc20-ee77	Electrical and Electronics Engineering	Semiconductor Devices and Circuits	Prof. Sanjiv Sambandan	IISc	12 Weeks
noc20-ee78	Electrical and Electronics Engineering	Peer To Peer Networks	Prof. Y. N. Singh	IITK	8 Weeks



noc20-ee79	Electrical and Electronics Engineering	Fiber Optic Communication Technology	Prof. Deepa Venkitesh	IITM	12 Weeks
noc20-ee80	Electrical and Electronics Engineering	Power System Protection and Switchgear	Prof. Bhaveshkumar R. Bhalja	IITR	8 Weeks
noc20-ee81	Electrical and Electronics Engineering	Electrical Equipment and Machines: Finite Element Analysis	Prof. Shrikrishna V. Kulkarni	IITB	8 Weeks
noc20-ee82	Electrical and Electronics Engineering	Probability Foundations for Electrical Engineers	Prof. Krishna Jagannathan	IITM	12 Weeks
noc20-ee83	Electrical and Electronics Engineering	Image Signal Processing	Prof. A. N. Rajagopalan	IITM	12 Weeks
noc20-ee84	Electrical and Electronics Engineering	DC Microgrid and Control System	Prof. Avik Bhattacharya	IITR	8 Weeks
noc20-ee85	Electrical and Electronics Engineering	Microelectronics: Devices To Circuits	Prof. Sudeb Dasgupta	IITR	12 Weeks
noc20-ee86	Electrical and Electronics Engineering	Electrical Distribution System Analysis	Prof. G. B. Kumbhar	IITR	8 Weeks
noc20-ee87	Electrical and Electronics Engineering	Basics of software defined Radios and Practical Applications	Prof. Meenakshi Rawat	IITR	4 Weeks
noc20-ee88	Electrical and Electronics Engineering	Computer Aided Power System Analysis	Prof. Biswarup Das	IITR	12 Weeks
noc20-ee89	Electrical and Electronics Engineering	Analog Electronic Circuit	Prof. Shouribrata chatterjee	IITD	12 Weeks
noc20-ee90	Electrical and Electronics Engineering	Control systems	Prof. C. S. Shankar Ram	IITM	12 Weeks
noc20-ee91	Electrical and Electronics Engineering	Microwave Engineering	Prof. Ratnajit Bhattacharjee	IITG	12 Weeks
noc20-ee92	Electrical and Electronics Engineering	Linear System Theory	Prof. Ramkrishna Pasumarthy	IITM	12 Weeks
noc20-ee93	Electrical and Electronics Engineering	Applied Electromagnetics For Engineers	Prof. Pradeep Kumar	IITK	12 weeks
noc20-ee94	Electrical and Electronics Engineering	An Introduction to Coding Theory	Prof. Adrish Banerjee	IITK	8 weeks
noc20-ee95	Electrical and Electronics Engineering	Introductory Neuroscience & Neuro-Instrumentation	Prof. Mahesh Jayachandra	IISc	12 weeks
noc20-ee96	Electrical and Electronics Engineering	Information Theory	Prof. Himanshu Tyagi	IISc	12 weeks
noc20-ee97	Electrical and Electronics Engineering	Power Electronics	Prof. G.Bhuvaneshwari	IITD	12 weeks




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noc20-ee98	Electrical and Electronics Engineering	Introduction to Embedded System Design	Prof. Dhananjay V. Gadre Prof. Badri N Subudhi	Netaji Subhas University of Technology and IIT Jammu	12 weeks
noc20-ee99	Electrical and Electronics Engineering	Fundamentals of Electric vehicles: Technology & Economics	Prof. Ashok Jhunjhunwala Prof. Prabhjot Kaur Prof. Kaushal Kumar Jha Prof. L Kannan	IITM	8 weeks
noc20-hs43	Humanities and Social Sciences	Developing Soft Skills and Personality	Prof. T. Ravichandran	IITK	8 Weeks
noc20-hs44	Humanities and Social Sciences	Intermediate Level of Spoken Sanskrit	Prof. Anuradha Choudry	IIT KGP	8 Weeks
noc20-hs45	Humanities and Social Sciences	Great Experiments in Psychology	Prof. Rajlakshmi Guha	IIT KGP	4 Weeks
noc20-hs46	Humanities and Social Sciences	Water, Society and Sustainability	Prof. Jenia Mukherjee	IIT KGP	4 Weeks
noc20-hs47	Humanities and Social Sciences	Educational leadership	Prof. Atasi Mohanty	IIT KGP	8 Weeks
noc20-hs49	Humanities and Social Sciences	Short Fiction in Indian Literature	Prof. Divya A	IITM	12 Weeks
noc20-hs50	Humanities and Social Sciences	Health Research Fundamentals	Prof. P. Manickam	NIE	8 Weeks
noc20-hs51	Humanities and Social Sciences	Applied Linguistics	Prof. Rajesh Kumar	IITM	12 Weeks
noc20-hs52	Humanities and Social Sciences	History of English Language and Literature	Prof. Merin Simi Raj	IITM	12 Weeks
noc20-hs53	Humanities and Social Sciences	Managing Intellectual Property in Universities	Prof. Feroz Ali	IITM	4 Weeks
noc20-hs54	Humanities and Social Sciences	Patent Drafting for Beginners	Prof. Feroz Ali	IITM	4 Weeks
noc20-hs55	Humanities and Social Sciences	Patent Law for Engineers and Scientists	Prof. Feroz Ali	IITM	12 Weeks
noc20-hs56	Humanities and Social Sciences	Technical English for Engineers	Prof. Aysha Iqbal	IITM	8 Weeks
noc20-hs57	Humanities and Social Sciences	Consumer Psychology	Prof. Naveen Kashyap	IITG	8 Weeks
noc20-hs58	Humanities and Social Sciences	Feminist Writings	Prof. Avishek Parui	IITM	12 Weeks
noc20-hs59	Humanities and Social Sciences	Gender and literature	Prof. Avishek Parui	IITM	8 Weeks
noc20-hs60	Humanities and Social Sciences	Soft skills	Prof. Binod Mishra	IITR	12 Weeks
noc20-hs61	Humanities and Social Sciences	Introduction to Western Political Thought	Prof. Mithilesh Kumar Jha	IITG	12 Weeks
noc20-hs62	Humanities and Social Sciences	Postmodernism in Literature	Prof. Merin Simi Raj	IITM	8 Weeks
noc20-hs63	Humanities and Social Sciences	Film Appreciation	Prof. Aysha Iqbal	IITM	8 Weeks
noc20-hs64	Humanities and Social Sciences	Poetry	Prof. S P Dhanavel	IITM	12 Weeks



noc20-hs65	Humanities and Social Sciences	The Popular Gothic Novel	Prof. Divya A	IITM	12 Weeks
noc20-hs66	Humanities and Social Sciences	Entrepreneurship and IP strategy	Prof. Gouri Gargate	IIT KGP	8 Weeks
noc20-hs68	Humanities and Social Sciences	Energy Economics And Policy	Prof. Shyamasree Dasgupta	IIT Mandi	8 Weeks
noc20-hs69	Humanities and Social Sciences	Appreciating Linguistics: A typological approach	Prof. Anindita	IITM	12 Weeks
noc20-hs71	Humanities and Social Sciences	Body language: Key to professional Success	Prof. Rashmi Gaur	IITR	4 Weeks
noc20-hs72	Humanities and Social Sciences	Sociology of Science	Prof. A. J. Mishra	IITR	4 Weeks
noc20-hs74	Humanities and Social Sciences	Text, Textuality and Digital Media	Prof. Arjun Gosh	IITD	12 Weeks
noc20-hs76	Humanities and Social Sciences	Classical Sociological Theory	Prof. R. Santhosh	IITM	12 Weeks
noc20-hs77	Humanities and Social Sciences	Ecology and Society	Prof. Ngamjahao Kipgen	IITG	12 Weeks
noc20-hs78	Humanities and Social Sciences	Development Research Methods	Prof. Rajshree Bedamatta	IITG	8 weeks
noc20-hs80	Humanities and Social Sciences	Cognition, Transformation and Lives	Prof. Alok Bajpai	IITK	4 weeks
noc20-hs81	Humanities and Social Sciences	Elements of Visual Representation	Prof. Shatarupa Thakurta Roy	IITK	8 weeks
noc20-hs82	Humanities and Social Sciences	Introduction To Literary Theory	Prof. Sayan Chattopadhyay	IITK	8 weeks
noc20-hs83	Humanities and Social Sciences	Introduction To Japanese Language And Culture	Prof. Vatsala Misra	IITK	12 weeks
noc20-hs84	Humanities and Social Sciences	Modern Indian Art From the Colonial Period to the Present	Prof. Soumik Nandy Majumdar	Visva-Bharati University	4 weeks
noc20-hs85	Humanities and Social Sciences	Science, Technology and Society	Prof. Sambit Mallick	IITG	12 weeks
noc20-hs86	Humanities and Social Sciences	Sociological Perspectives on Modernity	Prof. Sambit Mallick	IITG	12 weeks
noc20-hs87	Humanities and Social Sciences	German - I	Prof. Milind Brahme	IITM	12 weeks
noc20-hs88	Humanities and Social Sciences	German - II	Prof. Milind Brahme	IITM	12 weeks
noc20-hs89	Humanities and Social Sciences	Patent Search for Engineers and Lawyers	Prof. M. Padmavati Prof. Shreya Matilal	IIT KGP	8 weeks
noc20-hs90	Humanities and Social Sciences	Appreciating Carnatic Music	Prof. Lakshmi Sreeram	IITM	8 weeks
noc20-me86	Humanities and Social Sciences	The Psychology Of Language	Prof. Naveen Kashyap	IITG	8 Weeks
noc20-lw01	Law	Right to Information and Good Governance	Prof. Sairam Bhat	National Law School of India University	12 Weeks



noc20-lw02	Law	Constitution of India and Environmental Governance: Administrative and Adjudicatory Process	Prof. Sairam Bhat Prof. M. K. Ramesh	National Law School of India University	12 Weeks
noc20-lw03	Law	Constitutional Studies	Prof. Sudhir Krishnaswamy	National Law School of India University	12 Weeks
noc20-hs48	Management	Human resource development	Prof. KBL Srivastava	IIT KGP	12 Weeks
noc20-mg36	Management	Managing Services	Prof. Jayanta Chatterjee	IITK	8 Weeks
noc20-mg38	Management	Design Thinking - A Primer	Prof. Ashwin Mahalingam Prof. Bala Ramadurai	IITM	4 Weeks
noc20-mg39	Management	Soft Skills For Business Negotiations And Marketing Strategies	Prof. Uttam Kumar Banerjee	IIT KGP	12 Weeks
noc20-mg40	Management	Knowledge Management	Prof. KBL Srivastava	IIT KGP	8 Weeks
noc20-mg41	Management	Leadership	Prof. Kalyan Chakravarti Prof. Tuheena Mukherjee	IIT KGP	4 Weeks
noc20-mg42	Management	Gender justice and workplace security	Prof. Dipa Dube	IIT KGP	4 Weeks
noc20-mg43	Management	Industrial Safety Engineering	Prof. Jhareswar Maiti	IIT KGP	12 Weeks
noc20-mg44	Management	Ethics in Engineering Practice	Prof. Susmita Mukhopadhyay	IIT KGP	8 Weeks
noc20-mg45	Management	Working Capital Management	Prof. Anil K. Sharma	IITR	12 Weeks
noc20-mg46	Management	Innovation, Business Models and Entrepreneurship	Prof. Rajat Agarwal Prof. Vinay Sharma	IITR	8 Weeks
noc20-mg47	Management	Business Analytics & Data Mining Modeling Using R Part II	Prof. Gaurav Dixit	IITR	4 Weeks
noc20-mg48	Management	Project management for managers	Prof. Mukesh Kumar Barua	IITR	12 Weeks
noc20-mg49	Management	Marketing research and analysis	Prof. J. K. Nayak	IITR	8 Weeks
noc20-mg50	Management	Manufacturing Strategy	Prof. Rajat Agarwal	IITR	8 Weeks
noc20-mg51	Management	Organizational Behaviour	Prof. M. P. Ganesh	IITH	12 Weeks
noc20-mg52	Management	Financial Accounting - IITB	Prof. Varadraj Bapat	IITB	8 Weeks
noc20-mg53	Management	Cost Accounting	Prof. Varadraj Bapat	IITB	4 Weeks
noc20-mg54	Management	International Business	Prof. J. K. Nayak	IITR	12 Weeks
noc20-mg55	Management	Path Integral Methods in Physics & Finance	Prof. J. P. Singh	IITR	12 Weeks



noc20-mg56	Management	Organization Development and Change in 21st Century	Prof. Ashish Pandey	IITB	8 Weeks
noc20-mg57	Management	Customer Relationship Management	Prof. Swagato Chatterjee	IIT KGP	8 Weeks
noc20-mg58	Management	Principles of Management	Prof. Susmita Muhopadhyay Prof. S. Srinivasan	IIT KGP	12 Weeks
noc20-mg59	Management	Decision Support System for Managers	Prof. Kunal Kanti Ghosh Prof. Anupam Ghosh Prof Sujoy Bhattacharya	IIT KGP	12 Weeks
noc20-mg60	Management	Management Information System	Prof. Kunal Kanti Ghosh Prof. Saini Das Prof. Surojit Mukherjee	IIT KGP	12 Weeks
noc20-mg61	Management	Introduction to Marketing Essentials	Prof. Zillur Rahman	IITR	8 Weeks
noc20-mg63	Management	Decision-Making Under Uncertainty	Prof. N. Gautam	Texas A&M Univ.	4 Weeks
noc20-mg64	Management	Training of Trainers	Prof. Santosh Rangnekar	IITR	12 Weeks
noc20-mg65	Management	Management Accounting	Prof. Anil K. Sharma	IITR	12 Weeks
noc20-mg66	Management	Business Analytics & Text Mining Modeling Using Python	Prof. Gaurav Dixit	IITR	8 Weeks
noc20-mg67	Management	Managerial Economics	Prof. Trupti Mishra	IITB	12 Weeks
noc20-mg68	Management	Marketing Management-I	Prof. Jayanta Chatterjee Prof. Shashi Shekhar Mishra	IITK	8 weeks
noc20-mg69	Management	Economics of Health and Health Care	Prof. Angan Sengupta	IITK	8 weeks
noc20-mg70	Management	The Future of Manufacturing Business: Role of Additive Manufacturing	Prof. R. K. Amit Prof. U. Chandrasekhar	IITM & Wipro 3D	8 Weeks
noc20-mg71	Management	Financial accounting - IITMandi	Prof. Puran Singh	IIT Mandi	12 Weeks
noc20-ma26	Mathematics	Calculus Of One Real Variable	Prof. Joydeep Dutta	IITK	8 Weeks
noc20-ma27	Mathematics	Calculus Of Several Real Variables	Prof. Joydeep Dutta	IITK	8 Weeks
noc20-ma28	Mathematics	Groups: Motion, symmetry and puzzles	Prof. Amit Kulshrestha	IISER Mohali	4 Weeks



noc20-ma29	Mathematics	Introduction to Abstract Group Theory	Prof. Krishna Hanumanthu	CMI	8 Weeks
noc20-ma30	Mathematics	Regression Analysis	Prof. Soumen Maity	IISER Pune	12 Weeks
noc20-ma31	Mathematics	Introduction to Abstract and Linear Algebra	Prof. Sourav Mukhopadhyay	IIT KGP	8 Weeks
noc20-ma25	Mathematics	Algebra - I	Prof. S. Viswanath Prof. Amritanshu Prasad	IMSc	12 Weeks
noc20-ma32	Mathematics	Constrained and unconstrained optimization	Prof. A. Goswami Prof. Debjani Chakraborty	IIT KGP	12 Weeks
noc20-ma33	Mathematics	Numerical methods	Prof. Ameeya Kumar Nayak Prof. Sanjeev Kumar	IITR	8 Weeks
noc20-ma34	Mathematics	Matrix Analysis with Applications	Prof. S. K. Gupta Prof. Sanjeev Kumar	IITR	8 Weeks
noc20-ma35	Mathematics	Essential Mathematics for Machine Learning	Prof. Sanjeev Kumar Prof. S.K. Gupta	IITR	8 Weeks
noc20-ma36	Mathematics	Mathematical Portfolio Theory	Prof. Siddhartha Pratim Chakrabarty	IITG	12 Weeks
noc20-ma37	Mathematics	Engineering Mathematics - I	Prof. Jitendra Kumar	IIT KGP	12 Weeks
noc20-ma38	Mathematics	Computational Commutative Algebra	Prof. Manoj Kummini	CMI	12 Weeks
noc20-ma39	Mathematics	A basic course in number theory	Prof. Shripad Garge	IITB	12 Weeks
noc20-ma40	Mathematics	Scientific Computing using Matlab	Prof. Mani Mehra Prof. Vivek K. Aggarwal	IITD	12 Weeks
noc20-ma41	Mathematics	Integral Transforms and their Applications	Prof. Sarthok Sircar	IIITD	12 Weeks
noc20-ma42	Mathematics	Computational Number Theory and Algebra	Prof. Nitin Saxena	IITK	12 Weeks
noc20-ma43	Mathematics	Laplace Transform	Prof. Indrava Roy	IMSC	4 Weeks
noc20-ma44	Mathematics	Measure Theory	Prof. Indrava Roy	IMSC	12 Weeks
noc20-ma45	Mathematics	Operations Research	Prof. Kusum Deep	IITR	8 Weeks
noc20-ma46	Mathematics	Dynamical System and Control	Prof. N. Sukavanam Prof. D. N. Pandey	IITR	12 Weeks
noc20-ma47	Mathematics	Mathematical Modelling: Analysis and Applications	Prof. Ameeya Kumar Nayak	IITR	4 Weeks
noc20-ma48	Mathematics	Introduction to Fuzzy Set Theory, Arithmetic and Logic	Prof. Niladri Chatterjee	IITD	12 Weeks



noc20-ma49	Mathematics	Introduction to Methods of Applied Mathematics	Prof. Mani Mehra Prof. Vivek aggarwal	IITD	12 Weeks
noc20-ma50	Mathematics	Complex Analysis	Prof. Pranav Haridas	Kerala School of Mathematics	12 Weeks
noc20-ma51	Mathematics	Real Analysis I	Prof. Jaikrishnan J	IIT Palakkad	12 Weeks
noc20-ma52	Mathematics	Mathematical Finance	Prof. N. Selvaraju Prof. Siddhartha Pratim Chakrabarty	IITG	12 Weeks
noc20-ma53	Mathematics	Introduction to R Software	Prof. Shalabh	IITK	8 weeks
noc20-ma54	Mathematics	Linear Algebra	Prof. Arbind Kumar Lal	IITK	12 Weeks
noc20-ma55	Mathematics	Non-parametric Statistical Inference	Prof. Niladri Chatterjee	IITD	4 Weeks
noc20-hs79	Mechanical Engineering	Mathematical Modeling Of Manufacturing Processes	Prof. Swarup Bag	IITG	12 Weeks
noc20-me48	Mechanical Engineering	Principles of Vibration Control	Prof. Bishakh Bhattacharya	IITK	4 Weeks
noc20-me49	Mechanical Engineering	Manufacturing Systems Technology I & II	Prof. Shantanu Bhattacharya	IITK	12 Weeks
noc20-me50	Mechanical Engineering	Rapid Manufacturing	Prof. J. Ramkumar Prof. Amandeep Singh	IITK	12 Weeks
noc20-me51	Mechanical Engineering	Concepts of Thermodynamics	Prof. Suman Chakraborty Prof. Aditya Bandopadhyay	IIT KGP	12 Weeks
noc20-me52	Mechanical Engineering	Heat Exchangers: Fundamentals and Design Analysis	Prof. Prasanta Kumar Das Prof. Indranil Ghosh	IIT KGP	12 Weeks
noc20-me53	Mechanical Engineering	Mechanism And Robot Kinematics	Prof. Anirvan Dasgupta	IIT KGP	8 Weeks
noc20-me54	Mechanical Engineering	Advanced Fluid Mechanics	Prof. Suman Chakraborty	IIT KGP	12 Weeks
noc20-me55	Mechanical Engineering	Fluid Machines	Prof. Suman Chakraborty	IIT KGP	8 Weeks
noc20-me56	Mechanical Engineering	Robotics	Prof. D. K. Pratihari	IIT KGP	8 Weeks
noc20-me57	Mechanical Engineering	Mechanical Measurement Systems	Prof. Ravi Kumar	IITR	8 Weeks
noc20-me58	Mechanical Engineering	Automation in Manufacturing	Prof. Shrikrishna N. Joshi	IITG	12 Weeks




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noc20-me59	Mechanical Engineering	Fundamentals of Compressible Flow	Prof. Niranjana Sahoo	IITG	8 Weeks
noc20-me60	Mechanical Engineering	Finite Element Method: Variational Methods to Computer Programming	Prof. Atanu Banerjee Prof. Arup Nandy	IITG	12 Weeks
noc20-me61	Mechanical Engineering	High Performance Computing for Scientists and Engineers	Prof. Somnath Roy	IIT KGP	8 Weeks
noc20-me64	Mechanical Engineering	Foundation of Computational Fluid Dynamics	Prof. Vengadesan	IITM	8 Weeks
noc20-me65	Mechanical Engineering	Advances in welding and joining technologies	Prof. Swarup Bag	IITG	8 Weeks
noc20-me66	Mechanical Engineering	Introduction to Mechanical Vibration	Prof. Anil Kumar	IITR	8 Weeks
noc20-me67	Mechanical Engineering	Fundamentals of manufacturing processes	Prof. D. K. Dwivedi	IITR	12 Weeks
noc20-me68	Mechanical Engineering	Fundamentals of Surface Engineering: Mechanisms, Processes and Characterizations	Prof. D. K. Dwivedi	IITR	12 Weeks
noc20-me69	Mechanical Engineering	Product Design and Development	Prof. Inderdeep Singh	IITR	4 Weeks
noc20-me70	Mechanical Engineering	Work System Design	Prof. Inderdeep Singh	IITR	12 Weeks
noc20-me71	Mechanical Engineering	Refrigeration and air-conditioning	Prof. Ravi Kumar	IITR	8 Weeks
noc20-me72	Mechanical Engineering	Principles of Metal Forming Technology	Prof. Pradeep Kumar Jha	IITR	8 Weeks
noc20-me73	Mechanical Engineering	Theory of Production Processes	Prof. Pradeep Kumar Jha	IITR	12 Weeks
noc20-me74	Mechanical Engineering	Computational Continuum Mechanics	Prof. Sachin Singh Gautam	IITG	12 Weeks
noc20-me75	Mechanical Engineering	Fluid dynamics and turbomachines	Prof. Dhiman Chatterjee Prof. Shamit Bakshi	IITM	8 Weeks
noc20-me76	Mechanical Engineering	Advanced Machining Processes	Prof. Manas Das	IITG	8 Weeks
noc20-me77	Mechanical Engineering	Principle of Hydraulic Machines and System Design	Prof. Pranab K. Mondal	IITG	8 Weeks
noc20-me78	Mechanical Engineering	Basics of Materials Engineering	Prof. Ratna Kumar Annabattula	IITM	12 Weeks
noc20-me79	Mechanical Engineering	Engineering drawing and computer graphics	Prof. Rajaram Lakkaraju	IIT KGP	12 Weeks
noc20-me81	Mechanical Engineering	Fundamentals of Convective Heat Transfer	Prof. Amaresh Dalal	IITG	12 Weeks
noc20-me82	Mechanical Engineering	Computational Fluid Dynamics using Finite Volume Method	Prof. Kameswararao Anupindi	IITM	12 Weeks
noc20-me83	Mechanical Engineering	Selection Of Nanomaterials For Energy Harvesting And Storage Application	Prof. Kaushik Pal	IITR	4 Weeks



noc20-me84	Mechanical Engineering	Solid Mechanics	Prof. Ajeet Kumar	IITD	12 Weeks
noc20-me85	Mechanical Engineering	Fundamentals of Conduction and Radiation	Prof. Amaresh Dalal Prof. Dipankar N. Basu	IITG	12 Weeks
noc20-me87	Mechanical Engineering	Steam Power Engineering	Prof. Vinayak N. Kulkarni	IITG	8 Weeks
noc20-me89	Mechanical Engineering	Dynamic Behaviour Of Materials	Prof. Prasenjit Khanikar	IITG	12 Weeks
noc20-me90	Mechanical Engineering	Aircraft Propulsion	Prof. Vinayak N. Kulkarni	IITG	12 weeks
noc20-me91	Mechanical Engineering	Basics Of Finite Element Analysis-I	Prof. Nachiketa Tiwari	IITK	8 weeks
noc20-me92	Mechanical Engineering	Foundations of Cognitive Robotics	Prof. Bishakh Bhattacharya	IITK	4 weeks
noc20-me93	Mechanical Engineering	BioMEMS And Microfluidics	Prof. Shantanu Bhattacharya	IITK	8 weeks
noc20-me94	Mechanical Engineering	Engineering Metrology	Prof. J. Ramkumar	IITK	12 weeks
noc20-me95	Mechanical Engineering	Introduction to Composites	Prof. Nachiketa Tiwari	IITK	12 weeks
noc20-mm15	Metallurgical and Materials Engineering	Elementary Stereology for Quantitative Metallography	Prof. Sandeep Sangal Prof. Sankaran	IITM	4 Weeks
noc20-mm16	Metallurgical and Materials Engineering	Welding of Advanced High Strength Steels for Automotive Applications	Prof. Murugaiyan Amirthalingam	IITM	4 Weeks
noc20-mm17	Metallurgical and Materials Engineering	Physics Of Materials	Prof. Prathap Haridoss	IITM	12 Weeks
noc20-mm18	Metallurgical and Materials Engineering	Structural Analysis of Nanomaterials	Prof. Kaushik Pal	IITR	4 Weeks
noc20-mm19	Metallurgical and Materials Engineering	Advanced Materials and Processes	Prof. Jayanta Das	IIT KGP	12 Weeks
noc20-mm20	Metallurgical and Materials Engineering	Energy conservation and waste heat recovery	Prof. P. K. Das Prof. A Bhattacharya	IIT KGP	12 Weeks
noc20-mm21	Metallurgical and Materials Engineering	Powder Metallurgy	Prof. Ranjit Bauri	IITM	12 Weeks
noc20-mm22	Metallurgical and Materials Engineering	X-ray Crystallography & Diffraction	Prof. Ranjit Kumar Ray Prof. S. Sankaran	IEST Shibpur	12 Weeks
noc20-mm23	Metallurgical and Materials Engineering	Ironmaking and Steelmaking	Prof. Gour Gopal Roy	IIT KGP	12 Weeks
noc20-mm24	Metallurgical and Materials Engineering	Aqueous Corrosion and Its Control	Prof. V. S. Raja	IITB	12 Weeks




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noc20-mm25	Metallurgical and Materials Engineering	Fundamentals of electronic device fabrication	Prof. Parasuraman Swaminathan	IITM	4 Weeks
noc20-mm26	Metallurgical and Materials Engineering	Thermo-Mechanical And Thermo-Chemical Processes	Prof. Vivek Pancholi Prof. S. R. Meka	IITR	8 Weeks
noc20-mm27	Metallurgical and Materials Engineering	Corrosion - Part II	Prof. Kallol Mondal	IITK	8 weeks
noc20-mm28	Metallurgical and Materials Engineering	Defects in Crystalline Solids (Part-I)	Prof. Shashank Shekhar	IITK	8 weeks
noc20-mm29	Metallurgical and Materials Engineering	Fundamentals Of Material Processing - I	Prof. Shashank Shekhar	IITK	8 weeks
noc20-ge22	Multidisciplinary	Introduction to Research	Prof. Prathap Haridoss	IITM	8 weeks
noc20-ge16	Multidisciplinary	Ecology and Environment	Prof. Abhijit Deshpande Prof. R. Ravi Krishna	IITM	8 Weeks
noc20-ge17	Multidisciplinary	Neuroscience of Human Movements	Prof. Varadhan	IITM	12 weeks
noc20-ge18	Multidisciplinary	Stress Management	Prof. Rajlakshmi Guha	IIT KGP	4 Weeks
noc20-ge19	Multidisciplinary	Designing learner-centric e-learning in STEM disciplines	Prof. Sahana Murthy	IITB	4 Weeks
noc20-ge20	Multidisciplinary	Numerical Methods for Engineers	Prof. Niket Kaisare	IITM	12 Weeks
noc20-ge21	Multidisciplinary	Teaching And Learning in General Programs: TALG	Prof. N J Rao	IISc	4 Weeks
noc20-cs89	Multidisciplinary	Learning Analytics Tools	Prof. Ramkumar Rajendran	IITB	12 Weeks
noc20-me88	Multidisciplinary	Fundamentals Of Artificial Intelligence	Prof. Shyamanta M. Hazarika	IITG	12 Weeks
noc20-ph14	Physics	Solar Energy Engineering and Technology	Prof. Pankaj Kalita	IITG	12 Weeks
noc20-ph15	Physics	Solid State Physics	Prof. Amal Kumar Das	IIT KGP	12 Weeks
noc20-ph16	Physics	Experimental Physics I	Prof. Amal Kumar Das	IIT KGP	12 Weeks
noc20-ph17	Physics	Introduction to Classical Mechanics	Prof. Anurag Tripathi	IITH	12 Weeks
noc20-ph18	Physics	Theoretical Mechanics	Prof. Charudatt Kadolkar	IITG	12 Weeks (8 Week rerun + 4 Week new)
noc20-ph19	Physics	Nuclear and Particle Physics	Prof. Poulouse Poulouse	IITG	12 Weeks
noc20-ph20	Physics	Computational Physics	Prof. Apratim Chatterji Prof. Prasenjit Ghosh	IISER Pune	12 Weeks




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noc20-ph21	Physics	Solar Photovoltaics Fundamentals, Technology And Applications	Prof. Soumitra Satapathi	IITR	8 Weeks
noc20-ph22	Physics	Waves and Oscillations	Prof. M. S. Santhanam	IISER Pune	12 Weeks
noc20-ph23	Physics	Numerical Methods And Simulation Techniques For Scientists And Engineers	Prof. Saurabh Basu	IITG	8 Weeks
noc20-ph24	Physics	Semiconductor Optoelectronics	Prof. M. R. Shenoy	IITD	12 Weeks
noc20-oe02	Ocean Engineering	Dynamics of Ocean Structures	Prof. Srinivasan Chandrasekaran	IITM	12 Weeks
noc20-oe03	Ocean Engineering	Computer Methods Of Structural Analysis Of Offshore Structures	Prof. Srinivasan Chandrasekaran	IITM	12 Weeks
noc20-te06	Textile Engineering	Technical Textiles	Prof. Apurba Das	IITD	12 Weeks
noc20-te07	Textile Engineering	Science of Clothing Comfort	Prof. Apurba Das	IITD	12 Weeks
noc20-te08	Textile Engineering	Science and Technology of Weft and Warp Knitting	Prof. Bipin kumar	IITD	12 Weeks
noc20-te09	Textile Engineering	Textile Finishing	Prof. Kushal Sen	IITD	12 Weeks
noc20-te10	Textile Engineering	Principles of Combing, Roving preparation & Ring spinning	Prof. R. Chattopadhyay	IITD	12 Weeks
noc20-te11	Textile Engineering	Yarn manufacture I : Principle of Carding and Drawing	Prof. R. Chattopadhyay	IITD	8 Weeks




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"To be a centre of excellence imparting Professional education satisfying societal and global needs.

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1. Transforming students into lifelong learners through quality teaching training and exposure concurrent technologies.
2. Fostering conducive atmosphere for research and development through well-equipped laboratories and qualified personnel in collaboration with global organization

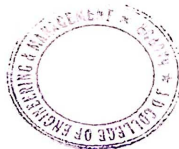
List of Value Added Courses
Session 2020-21

Course id	Discipline	Course Name	SME Name	Institute	Duration
noc21-ae01	Aerospace Engineering	Rocket Propulsion	Prof. K. Ramamurthi Prof. V. Nagabhusana Rao	IITM	12 Weeks
noc21-ae02	Aerospace Engineering	Computational Science in Engineering	Prof. Ashoke De	IITK	8 Weeks
noc21-ae03	Aerospace Engineering	Gasdynamics: Fundamentals and Applications	Prof. Srisha Rao M V	IISc	12 Weeks
noc21-ae04	Aerospace Engineering	Aircraft Design	Prof. A. K. Ghosh	IITK	12 Weeks
noc21-ae05	Aerospace Engineering	Introduction to Experiments in Flight	Prof. A. K. Ghosh	IITK	4 Weeks
noc21-ae06	Aerospace Engineering	Introduction to Launch Vehicle Analysis and Design	Prof. Ashok Joshi	IITB	8 Weeks
noc21-ae07	Aerospace engineering	Lighter than Air Systems	Prof. Rajkumar Pant	IITB	12 weeks
noc21-me01	Applied Mechanics	Engineering Mechanics - Statics and Dynamics	Prof. Anubhab Roy	IITM	8 Weeks
noc21-me02	Applied mechanics	Experimental Stress Analysis	Prof. K. Ramesh	IITM	12 Weeks
noc21-ar01	Architecture And Planning	Engineering/Architectural Graphics - part I - Orthographic projection	Prof. Avlokita Agrawal	IITR	8 Weeks
noc21-ar02	Architecture And Planning	Structure, Form, and Architecture : The Synergy	Prof. Shubhajit Sadhukhan	IITR	8 Weeks
noc21-ar03	Architecture And Planning	Sustainable Architecture	Prof. Avlokita Agrawal	IITR	12 Weeks
noc21-ar04	Architecture And Planning	Introduction to History of Architecture in India	Prof. Pushkar Sohoni	IISER Pune	4 Weeks




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noc20-ph21	Physics	Solar Photovoltaics Fundamentals, Technology And Applications	Prof. Soumitra Satapathi	IITR	8 Weeks
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noc20-te11	Textile Engineering	Yarn manufacture I : Principle of Carding and Drawing	Prof. R. Chattopadhyay	IITD	8 Weeks



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