



**JAIDEV EDUCATION SOCIETY'S
JD COLLEGE OF ENGINEERING AND
MANAGEMENT
KATOL ROAD, NAGPUR**
Website: www.jdecom.ac.in E-mail: info@jdecom.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

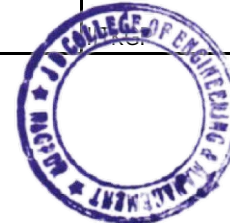
**List of Value Added Courses
Session 2021-22**

Course Id	Discipline	Course Name	SME Name	Institute	Co-ordinating Institute	Duration
noc21-ae08	Aerospace Engineering	Aircraft Stability and Control	Prof. A. K. Ghosh	IITK	IITK	12 Weeks
noc21-ae09	Aerospace Engineering	Introduction to Airplane performance	Prof. A. K. Ghosh	IITK	IITK	8 Weeks
noc21-ae10	Aerospace Engineering	Introduction to Airbreathing Propulsion	Prof. Ashoke De	IITK	IITK	12 Weeks
noc21-ae11	Aerospace Engineering	Introduction to Aerospace Engineering	Prof. Rajkumar Pant	IITB	IITB	12 Weeks
noc21-ae12	Aerospace Engineering	Introduction to Aircraft Design	Prof. Rajkumar Pant	IITB	IITB	12 Weeks
noc21-ae13	Aerospace Engineering	Design of fixed wing Unmanned Aerial Vehicles	Prof. Saderla Subrahmanyam	IITK	IITK	8 Weeks
noc21-ae14	Aerospace Engineering	UAV Design - Part II	Prof. Saderla Subrahmanyam	IITK	IITK	8 Weeks
noc21-ae15	Aerospace Engineering	Vibration and Structural Dynamics	Prof. Mira Mitra	IITKGP	IITKGP	8 Weeks
noc21-ag01	Agriculture Engineering	Fundamentals of Food Process Engineering	Prof. Jayeeta Mitra	IITKGP	IITKGP	12 Weeks

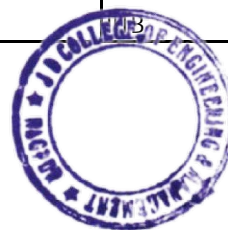


Principal
JD College of Engineering & Management
Khandala, Katol Road
Nagpur-441501

noc21-ag02	Agriculture Engineering	Dairy and Food process and products technology	Prof. Tridib Kumar Goswami	IITKGP	IITKGP	12 Weeks
noc21-ag03	Agriculture Engineering	Thermal Operations in Food Process Engineering: Theory and Applications	Prof. Tridib Kumar Goswami	IITKGP	IITKGP	12 Weeks
noc21-ag04	Agriculture Engineering	Irrigation and Drainage	Prof. Damodhara Rao Mailapalli	IITKGP	IITKGP	12 Weeks
noc21-ag05	Agriculture Engineering	Organic Farming for Sustainable Agricultural Production	Prof. Dillip Kumar Swain	IITKGP	IITKGP	8 Weeks
noc21-ag06	Agriculture Engineering	Farm Machinery	Prof. VK Tewari	IITKGP	IITKGP	12 Weeks
noc21-ag07	Agriculture Engineering	Thermal Processing of Foods	Prof. R. Anandalakshmi	IITG	IITG	12 Weeks
noc21-ag08	Agriculture Engineering	Micro Irrigation Engineering	Prof. Kamlesh Narayan Tiwari	IITKGP	IITKGP	12 Weeks
noc21-ag09	Agriculture Engineering	Environmental Soil Chemistry	Prof. Somsubhra Chakraborty	IITKGP	IITKGP	12 Weeks
noc21-me70	Applied mechanics	Engineering Mechanics	Prof. K. Ramesh	IITM	IITM	12 Weeks
noc21-me71	Applied mechanics	Engineering Fracture Mechanics	Prof. K. Ramesh	IITM	IITM	12 Weeks
noc21-ar06	Architecture And Planning	Architectural Acoustics	Prof. Sumana Gupta Prof. Shankha Pratim Bhattacharya	IITKGP	IITKGP	8 Weeks
noc21-ar07	Architecture And Planning	Culturally Responsive Built Environments	Prof. Ram Sateesh Pasupuleti	IITR	IITR	8 Weeks
noc21-ar08	Architecture And Planning	Contemporary Architecture and Design	Prof. Saptarshi Kolay	IITR	IITR	8 Weeks
noc21-ar09	Architecture And Planning	Role of Craft and Technology in Interior - Architecture	Prof. Smriti Saraswat	IITR	IITR	8 Weeks
noc21-ar10	Architecture And Planning	Urban governance and Development Management (UGDM)	Prof. Uttam Kumar Roy	IITR	IITR	12 Weeks
noc21-ar11	Architecture And Planning	Building Materials and Composites	Prof. Sumana Gupta	IITKGP		8 Weeks

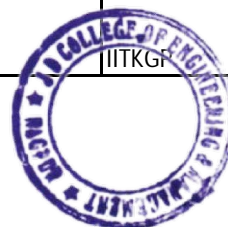



noc21-ar12	Architecture And Planning	Introduction to Urban Planning	Prof. Harshit Sosan Lakra	IITR	IITR	8 Weeks
noc21-ar13	Architecture And Planning	Urban utilities Planning : Water Supply, Sanitation and Drainage	Prof. Debapratim Pandit	IITKGP	IITKGP	12 Weeks
noc21-ar14	Architecture And Planning	Urban Landuse and Transportation Planning	Prof. Debapratim Pandit	IITKGP	IITKGP	12 Weeks
noc21-ar15	Architecture And Planning	Principles and Applications of Building Science	Prof. E. Rajasekar	IITR	IITR	4 Weeks
noc21-ar16	Architecture And Planning	Housing Policy & Planning	Prof. Uttam Kumar Roy	IITR	IITR	8 Weeks
noc21-ar17	Architecture And Planning	Visual Communication Design for Digital Media	Prof. Saptarshi Kolay	IITR	IITR	4 Weeks
noc21-bt23	Biotechnology and Bioengineering	Industrial Biotechnology	Prof. Debabrata Das	IITKGP	IITKGP	12 Weeks
noc21-bt24	Biotechnology and Bioengineering	Biomicrofluidics	Prof. Tapas Kumar Maiti Prof. Suman Chakraborty	IITKGP	IITKGP	4 Weeks
noc21-bt25	Biotechnology and Bioengineering	Introduction to Proteogenomics	Prof. Sanjeeva Srivastava	IITB	IITB	12 Weeks
noc21-bt26	Biotechnology and Bioengineering	Introduction to proteomics	Prof. Sanjeeva Srivastava	IITB	IITB	8 Weeks
noc21-bt27	Biotechnology and Bioengineering	Principles Of Downstream Techniques In Bioprocess	Prof. Mukesh Doble	IITM	IITM	12 Weeks
noc21-bt28	Biotechnology and Bioengineering	Bioreactors	Prof. G. K. Surashkumar	IITM	IITM	4 Weeks
noc21-bt29	Biotechnology and Bioengineering	Computer Aided Drug Design	Prof. Mukesh Doble	IITM	IITM	8 Weeks
noc21-bt30	Biotechnology and Bioengineering	Biomedical nanotechnology	Prof. P. Gopinath	IITR	IITR	4 Weeks
noc21-bt31	Biotechnology and Bioengineering	Introduction to mechanobiology	Prof. Shamik Sen	IITB	IITB	8 Weeks
noc21-bt32	Biotechnology and Bioengineering	Introduction to Biostatistics	Prof. Shamik Sen	IITB	IITB	8 Weeks



Principal
 J D College of Engineering & Management
 Khandala, Katol Road
 Nagpur-441501

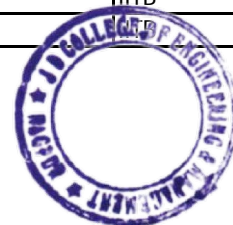
noc21-bt33	Biotechnology and Bioengineering	Tissue engineering	Prof. Vignesh Muthuvijayan	IITM	IITM	8 Weeks
noc21-bt34	Biotechnology and Bioengineering	Plant Cell Bioprocessing	Prof. Smita Srivastava	IITM	IITM	8 Weeks
noc21-bt35	Biotechnology and Bioengineering	Genetic Engineering: Theory and Application	Prof. Vishal Trivedi	IITG	IITG	12 Weeks
noc21-bt36	Biotechnology and Bioengineering	Experimental Biotechnology	Prof. Vishal Trivedi	IITG	IITG	12 Weeks
noc21-bt37	Biotechnology and Bioengineering	Drug Delivery: Principles and Engineering	Prof. Rachit Agarwal	IISc	IISc	12 Weeks
noc21-bt38	Biotechnology and Bioengineering	Fundamentals of micro and nanofabrication	Prof. Sushobhan avasthi Prof. Shankar Selvaraja	IISc	IISc	12 Weeks
noc21-bt39	Biotechnology and Bioengineering	Functional Genomics	Prof. S. Ganesh	IITK	IITK	4 Weeks
noc21-bt40	Biotechnology and Bioengineering	Transport Phenomena in Biological Systems	Prof. G. K. Suraishkumar	IITM	IITM	12 Weeks
noc21-bt41	Biotechnology and Bioengineering	Environmental Biotechnology	Prof. Pinaki Sar	IITKGP	IITKGP	12 Weeks
noc21-bt42	Biotechnology and Bioengineering	Introduction to Dynamical Models in Biology	Prof. Biplab Bose	IITG	IITG	4 Weeks
noc21-bt43	Biotechnology and Bioengineering	Introduction to Developmental Biology	Prof. Subramaniam K	IITM	IITM	12 Weeks
noc21-bt44	Biotechnology and Bioengineering	Conservation Geography	Prof. Ankur Awadhiya	IITK	IITK	12 Weeks
noc21-bt45	Biotechnology and Bioengineering	Wildlife Ecology	Prof. Ankur Awadhiya	IITK	IITK	12 Weeks
noc21-bt46	Biotechnology and Bioengineering	Animal Physiology	Prof. Mainak Das	IITK	IITK	12 Weeks
noc21-bt47	Biotechnology and Bioengineering	Cell Culture Technologies	Prof. Mainak Das	IITK	IITK	8 Weeks
noc21-bt48	Biotechnology and Bioengineering/C	Fundamentals of Protein Chemistry	Prof. Swagata Dasgupta	IITKGP	IITKGP	12 Weeks
noc21-bt49	Biotechnology and Bioengineering	Immunology	Prof. Sudip Kumar Ghosh Prof. Agneyo Ganguly	IITKGP	IITKGP	12 Weeks




Principal
 J D College of Engineering & Management
 Khandala, Katol Road
 Nagpur-441501

noc21-bt50	Biotechnology and Bioengineering/B	Introduction to Biomedical Imaging Systems	Prof. Arun K. Thittai	IITM	IITM	12 Weeks
noc21-ch31	Chemical Engineering	Heat Transfer	Prof. Sunando Dasgupta	IITKGP	IITKGP	12 Weeks
noc21-ch32	Chemical Engineering	Natural Gas Engineering	Prof. Pankaj Tiwari	IITG	IITG	8 Weeks
noc21-ch33	Chemical Engineering	Chemical Reaction Engineering-I	Prof. Bishnupada Mandal	IITG	IITG	12 Weeks
noc21-ch34	Chemical Engineering	Mechanical Unit Operations	Prof. Nanda Kishore	IITG	IITG	12 Weeks
noc21-ch35	Chemical Engineering	Mass Transfer Operations II	Prof. Chandan Das	IITG	IITG	12 Weeks
noc21-ch36	Chemical Engineering	Introduction to Polymer Physics-IITR	Prof. Prateek Kumar Jha	IITR	IITR	12 Weeks
noc21-ch37	Chemical Engineering	Introduction to Polymer Physics-IITG	Prof. Amit Kumar	IITG	IITG	8 Weeks
noc21-ch38	Chemical Engineering	Chemical Process Control	Prof. Sujit Jogwar	IITB	IITB	8 Weeks
noc21-ch39	Chemical Engineering	Fluid and Particle Mechanics	Prof. Sumesh Prof. Basavaraju	IITM	IITM	12 Weeks
noc21-ch40	Chemical Engineering	Chemical Process Intensification	Prof. Subrata Kumar Majumder	IITG	IITG	12 Weeks
noc21-ch41	Chemical Engineering	Fluidization Engineering	Prof. Subrata Kumar Majumder	IITG	IITG	12 Weeks
noc21-ch42	Chemical Engineering	Technologies For Clean And Renewable Energy Production	Prof. P. Mondal	IITR	IITR	8 Weeks
noc21-ch43	Chemical Engineering	Chemical Engineering Thermodynamics	Prof. Jayant K. Singh	IITK	IITK	12 Weeks
noc21-ch44	Chemical Engineering	Aspen Plus® simulation software - a basic course for beginners	Prof. Prabirkumar Saha	IITG	IITG	12 Weeks
noc21-ch45	Chemical Engineering	Adiabatic Two Phase Flow and Flow Boiling in Microchannel	Prof. Gargi Das	IITKGP	IITKGP	4 Weeks
noc21-ch46	Chemical Engineering	Transport Phenomena of Non-Newtonian Fluids	Prof. Nanda Kishore	IITG	IITG	12 Weeks

noc21-ch47	Chemical Engineering	Trace and ultra-trace analysis of metals using atomic absorption spectrometry	Prof. J R Mudakavi	IISc	IISc	8 Weeks
noc21-ch48	Chemical Engineering	Colloids and Surfaces	Prof. Basavaraj Madivala Gurappa	IITM	IITM	8 Weeks
noc21-ch49	Chemical Engineering	Polymers: concepts, properties, uses and sustainability	Prof. Abhijit P Deshpande	IITM	IITM	12 Weeks
noc21-ch50	Chemical Engineering	Material & Energy Balance Computations	Prof. Arnab Atta Prof. Rabibrata Mukherjee	IITKGP	IITKGP	12 Weeks
noc21-ch51	Chemical Engineering	Flow Through Porous Media	Prof. Somenath Ganguly	IITKGP	IITKGP	12 Weeks
noc21-ch52	Chemical Engineering	Principles and Practices of Process Equipment and Plant Design	Prof. Gargi Das Prof S. Ray	IITKGP	IITKGP	12 Weeks
noc21-ch53	Chemical Engineering	Introduction to interfacial waves	Prof. Ratul Dasgupta	IITB	IITB	12 Weeks
noc21-cy28	Chemistry	Analytical chemistry	Prof. Debashis Ray	IITKGP	IITKGP	12 Weeks
noc21-cy29	Chemistry	Stereochemistry	Prof. Amit Basak	IITKGP	IITKGP	8 Weeks
noc21-cy30	Chemistry	Organic Chemistry in Biology and Drug Development	Prof. Amit Basak	IITKGP	IITKGP	12 Weeks
noc21-cy31	Chemistry	Introduction to Chemical Thermodynamics and Kinetics	Prof. Arijit Kumar De	IISER Mohali	IITM	12 Weeks
noc21-cy32	Chemistry	Introductory Organic Chemistry I	Prof. Neeraja Dashaputre Prof. Harinath Chakrapani	IISER Pune	IITM	8 Weeks
noc21-cy33	Chemistry	Chemical Crystallography	Prof. Angshuman Roy Choudhury	IISER Mohali	IITM	12 Weeks
noc21-cy34	Chemistry	Metal Mediated Synthesis-I	Prof. D. Maiti	IITB	IITB	4 Weeks
noc21-cy35	Chemistry	Metals In Biology	Prof. D. Maiti	IITB	IITB	8 Weeks



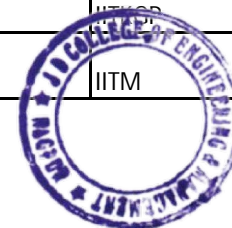
Principal
 J D College of Engineering & Management
 Khandala, Katol Road
 Nagpur-441301

noc21-cy36	Chemistry	Transition Metal Organometallic Chemistry: Principles to Applications	Prof. P. Ghosh	IITB	IITB	12 Weeks
noc21-cy37	Chemistry	Symmetry and Group Theory	Prof. Anindya Datta	IITB	IITB	12 Weeks
noc21-cy38	Chemistry	Quantum Chemistry of Atoms and Molecules	Prof. Anindya Datta	IITB	IITB	12 Weeks
noc21-cy39	Chemistry	Mechanisms in Organic Chemistry	Prof. Nandita Madhavan	IITB	IITB	8 Weeks
noc21-cy40	Chemistry	Biophysical chemistry	Prof. Pramit Kumar Chowdhury	IITD	IITD	12 Weeks
noc21-cy41	Chemistry	Principles Of Organic Synthesis	Prof. T Punniyamurthy	IITG	IITG	12 Weeks
noc21-cy42	Chemistry	Reagents In Organic Synthesis	Prof. Subhas Chandra Pan	IITG	IITG	12 Weeks
noc21-cy43	Chemistry	Spectroscopic Techniques for Pharmaceutical and Biopharmaceutical Industries	Prof. Shashank Deep	IITD	IITD	12 Weeks
noc21-cy45	Chemistry	Chemistry and Physics of Surfaces and Interfaces	Prof. Thiruvancheril G. Gopakumar	IITK	IITK	8 Weeks
noc21-cy46	Chemistry	Introductory Organic Chemistry II	Prof. Harinath Chakrapani Prof. Neeraja Dashaputre	IISER Pune	IITM	8 Weeks
noc21-cy47	Chemistry	One and two dimensional NMR Spectroscopy for chemists	Prof. N. Suryaprakash	IISc	IISc	12 Weeks
noc21-cy48	Chemistry	Biological Inorganic Chemistry	Prof. Debashis Ray	IITKGP	IITKGP	12 Weeks

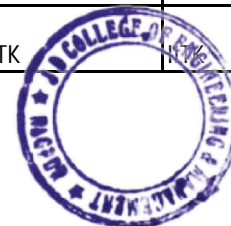



Principal
 J D College of Engineering & Management
 Khandala, Katol Road
 Nagpur-441301

noc21-cy49	Chemistry	Concepts of chemistry for engineering	Prof. Anindya Datta Prof. Debabrata Maiti Prof. Chidambar Kulkarni Prof. Arnab Dutta	IITB	IITB	12 Weeks
noc21-cy50	Chemistry	Introduction to Polymer Science	Prof. Dibakar Dhara	IITKGP	IITKGP	8 Weeks
noc21-ce38	Civil Engineering	Strength Of Materials	Prof. Sriman Kumar Bhattacharyya	IITKGP	IITKGP	12 Weeks
noc21-ce39	Civil Engineering	Foundation Engineering	Prof. Kousik Deb	IITKGP	IITKGP	12 Weeks
noc21-ce40	Civil Engineering	Design of steel structures	Prof. Damodar Maity	IITKGP	IITKGP	12 Weeks
noc21-ce41	Civil Engineering	Soil Mechanics/Geotechnical Engineering I	Prof. Dilip Kumar Baidya	IITKGP	IITKGP	12 Weeks
noc21-ce42	Civil Engineering	Design Of Reinforced Concrete Structures	Prof. Nirjhar Dhang	IITKGP	IITKGP	12 Weeks
noc21-ce43	Civil Engineering	Reinforced Concrete Road Bridges	Prof. Nirjhar Dhang	IITKGP	IITKGP	4 Weeks
noc21-ce44	Civil Engineering	Matrix Method of Structural Analysis	Prof. Amit Shaw Prof. Biswanath Banerjee	IITKGP	IITKGP	8 Weeks
noc21-ce45	Civil Engineering	Theory of Elasticity	Prof. Amit Shaw Prof. Biswanath Banerjee	IITKGP	IITKGP	12 Weeks
noc21-ce46	Civil Engineering	Integrated Waste Management for a Smart City	Prof. Brajesh Kumar Dubey	IITKGP	IITKGP	12 Weeks
noc21-ce47	Civil Engineering	Sustainable Engineering Concepts and Life Cycle Analysis	Prof. Brajesh Kumar Dubey	IITKGP	IITKGP	8 Weeks
noc21-ce48	Civil Engineering	Water Economics and Governance	Prof. Manoj Kumar Tiwari	IITKGP	IITKGP	12 Weeks
noc21-ce49	Civil Engineering	Wastewater Treatment and Recycling	Prof. Manoj Kumar Tiwari	IITKGP	IITKGP	12 Weeks
noc21-ce50	Civil Engineering	Project Planning & Control	Prof. Koshy Varghese	IITM	IITM	8 Weeks

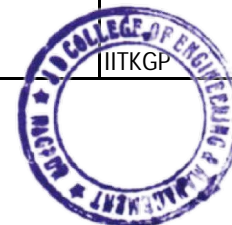


noc21-ce51	Civil Engineering	Glass Processing Technology	Prof. K N Satyanarayana Prof. E. Rajasekar	IITM & Glass Academy	IITM	12 Weeks
noc21-ce52	Civil Engineering	Glass in buildings : Design and applications	Prof. K N Satyanarayana Prof. E. Rajasekar	IITM & Glass Academy	IITM	12 Weeks
noc21-ce53	Civil Engineering	Mechanics Of Materials	Prof. Saravanan U	IITM	IITM	12 Weeks
noc21-ce54	Civil Engineering	Geotechnical Engineering Laboratory	Prof. J. N. Mandal	IITB	IITB	4 Weeks
noc21-ce56	Civil Engineering	Fluid Mechanics	Prof. Subashisa Dutta	IITG	IITG	8 Weeks + 4 Weeks new
noc21-ce57	Civil Engineering	Environmental Geomechanics	Prof. D. N. Singh	IITB	IITB	12 Weeks
noc21-ce58	Civil Engineering	Structural Reliability	Prof. Baidurya Bhattacharya	IITKGP	IITKGP	12 Weeks
noc21-ce59	Civil Engineering	Plates and Shells	Prof. Sudip Talukdar	IITG	IITG	12 Weeks
noc21-ce60	Civil Engineering	Optimization methods for Civil engineering	Prof. Rajib Kumar Bhattacharjya	IITG	IITG	12 Weeks
noc21-ce61	Civil Engineering	Remote Sensing and GIS	Prof. Rishikesh Bharti	IITG	IITG	8 Weeks
noc21-ce62	Civil Engineering	Finite Element Method and Computational Structural Dynamics	Prof. Manish Shrikhande	IITR	IITR	12 Weeks
noc21-ce63	Civil Engineering	Environmental Chemistry	Prof. Bhanu Prakash Vellanki	IITR	IITR	12 Weeks
noc21-ce64	Civil Engineering	Dynamics of Structures	Prof. Manish Kumar	IITB	IITB	12 Weeks
noc21-ce65	Civil Engineering	Ground Improvement	Prof. Dilip Kumar Baidya	IITKGP	IITKGP	12 Weeks
noc21-ce66	Civil Engineering	Hydration, Porosity & Strength of Cementitious Materials	Prof. Sudhir Misra Prof. K. V. Harish	IITK	IITK	8 Weeks
noc21-ce67	Civil Engineering	Photogeology in Terrain Evaluation (Part 1 And 2)	Prof. Javed N. Malik	IITK	IITK	8 Weeks
noc21-ce68	Civil Engineering	Earth Sciences for Civil Engineering Part - I & II	Prof. Javed N. Malik	IITK		8 Weeks

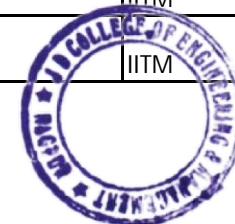


Principal
J D College of Engineering & Management
 Khandala, Katol Road
 Nagpur-441301

noc21-ce69	Civil Engineering	Municipal Solid Waste Management	Prof. Ajay Kalamdhad	IITG	IITG	12 Weeks
noc21-ce70	Civil Engineering	River Engineering	Prof. Subashisa Dutta	IITG	IITG	8 Weeks
noc21-ce71	Civil Engineering	Introduction to Engineering Seismology	Prof. Anbazhagan P	IISc	IISc	12 Weeks
noc21-ce72	Civil Engineering	Introduction to Multimodal Urban Transportation Systems (MUTS)	Prof. Arkopal Kishore Goswami	IITKGP	IITKGP	12 Weeks
noc21-ce73	Civil Engineering	Earthquake Resistant Design of Foundations	Prof. B. K. Maheshwari	IITR	IITR	8 Weeks
noc21-ce74	Civil Engineering	Sustainable Transportation systems	Prof. Bhola Ram Gurjar	IITR	IITR	12 Weeks
noc21-ce75	Civil Engineering(Forest Remote Sen	Remote Sensing of Leaf Area Index and Primary Productivity	Prof. MD Behera	IITKGP	IITKGP	4 Weeks
noc21-ce76	Civil/Mining Engineering	Rock Mechanics and Tunneling	Prof. Debarghya Chakraborty	IITKGP	IITKGP	12 Weeks
noc21-ce77	Earth Sciences	Global Navigation Satellite Systems And Applications	Prof. Arun K. Saraf	IITR	IITR	4 Weeks
noc21-cs54	Computer Science and Engineering	Problem solving through Programming In C	Prof. Anupam Basu	IITKGP	IITKGP	12 Weeks
noc21-cs55	Computer Science and Engineering	Programming in C++	Prof. Partha Pratim Das	IITKGP	IITKGP	8 Weeks
noc21-cs56	Computer Science and Engineering	Programming in Java	Prof. Debasis Samanta	IITKGP	IITKGP	12 Weeks
noc21-cs57	Computer Science and Engineering	Object Oriented Analysis and Design	Prof. Partha Pratim Das Prof. Samiran Chattopadhyay Prof. Kausik Datta	IITKGP	IITKGP	8 Weeks
noc21-cs58	Computer Science and Engineering	Data Base Management System	Prof. Partha Pratim Das Prof. Samiran Chattopadhyay	IITKGP	IITKGP	8 Weeks

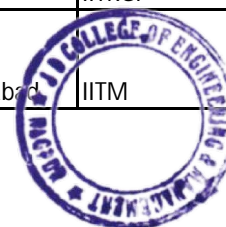


noc21-cs59	Computer Science and Engineering	Scalable Data Science	Prof. Anirban Dasgupta Prof. Sourangshu Bhattacharya	IITKGP	IITKGP	8 Weeks
noc21-cs60	Computer Science and Engineering	Hardware modeling using verilog	Prof. Indranil Sengupta	IITKGP	IITKGP	8 Weeks
noc21-cs61	Computer Science and Engineering	Computer architecture and organization	Prof. Indranil Sengupta Prof. Kamalika Datta	IITKGP	IITKGP	12 Weeks
noc21-cs62	Computer Science and Engineering	Cloud computing	Prof. Soumya Kanti Ghosh	IITKGP	IITKGP	8 Weeks
noc21-cs63	Computer Science and Engineering	Introduction to internet of things	Prof. Sudip Misra	IITKGP	IITKGP	12 Weeks
noc21-cs64	Computer Science and Engineering	Switching Circuits and Logic Design	Prof. Indranil Sengupta	IITKGP	IITKGP	12 Weeks
noc21-cs65	Computer Science and Engineering	Software Engineering	Prof. Rajib Mall	IITKGP	IITKGP	12 Weeks
noc21-cs66	Computer Science and Engineering	Introduction to Industry 4.0 and Industrial Internet of Things	Prof. Sudip Misra	IITKGP	IITKGP	12 Weeks
noc21-cs67	Computer Science and Engineering	Programming, Data Structures And Algorithms Using Python	Prof. Madhavan Mukund	CMI	IITM	8 Weeks
noc21-cs68	Computer Science and Engineering	Design and analysis of algorithms	Prof. Madhavan Mukund	CMI	IITM	8 Weeks
noc21-cs69	Computer Science and Engineering	Data Science for Engineers	Prof. Rangunathan Rengasamy Prof. Shankar Narasimhan	IITM	IITM	8 Weeks
noc21-cs70	Computer Science and Engineering	Introduction to Machine Learning - IITM	Prof. Balaraman Ravindran	IITM	IITM	12 Weeks
noc21-cs71	Computer Science and Engineering	Reinforcement Learning	Prof. Balaraman Ravindran	IITM	IITM	12 Weeks
noc21-cs72	Computer Science and Engineering	Introduction to Operating Systems	Prof. Chester Rebeiro	IITM	IITM	8 Weeks
noc21-cs73	Computer Science and Engineering	Software Testing	Prof. Meenakshi D'souza	IIITB	IITM	12 Weeks

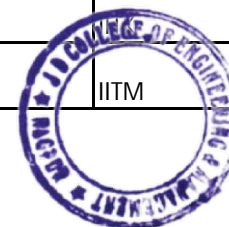


Principal
J D College of Engineering & Management
 Khandala, Katol Road
 Nagpur-441301

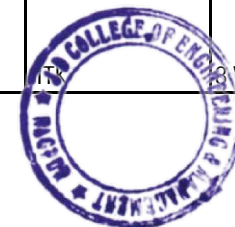
noc21-cs74	Computer Science and Engineering	Social Networks	Prof. Sudarshan Iyengar	IIT Ropar	IITM	12 Weeks
noc21-cs75	Computer Science and Engineering	The Joy of Computing using Python	Prof. Sudarshan Iyengar Prof. Yayati Gupta	IIT Ropar	IITM	12 Weeks
noc21-cs76	Computer Science and Engineering	Deep learning - IITRopar	Prof. Sudarshan Iyengar Prof. Padmavati	IIT Ropar	IITM	12 Weeks
noc21-cs77	Computer Science and Engineering	Introduction To Haskell Programming	Prof. S. P Suresh	CMI	IITM	8 Weeks
noc21-cs78	Computer Science and Engineering	Python for Data Science	Prof. Ragnathan Rengasamy	IITM	IITM	4 Weeks
noc21-cs79	Computer Science and Engineering	Artificial Intelligence Search Methods For Problem Solving	Prof. Deepak Khemani	IITM	IITM	12 Weeks
noc21-cs80	Computer Science and Engineering	Discrete Mathematics	Prof. Sudarshan Iyengar Prof. Neeldhara	IIT Ropar	IITM	12 Weeks
noc21-cs81	Computer Science and Engineering	C Programming and Assembly Language	Prof. Janakiraman Viraraghavan	IITM	IITM	4 Weeks
noc21-cs82	Computer Science and Engineering	Multi-Core Computer Architecture – Storage and Interconnects	Prof. John Jose	IITG	IITG	8 Weeks
noc21-cs83	Computer Science and Engineering	Theory of Computation	Prof. Raghunath Tewari	IITK	IITK	8 Weeks
noc21-cs84	Computer Science and Engineering	Modern Algebra	Prof. Manindra Agrawal	IITK	IITK	8 Weeks
noc21-cs85	Computer Science and Engineering	Introduction to Machine Learning - IITKGP	Prof. Sudeshna Sarkar	IITKGP	IITKGP	8 Weeks
noc21-cs86	Computer Science and Engineering	Big Data Computing	Prof. Rajiv Misra	IIT Patna	IITK	8 Weeks
noc21-cs87	Computer Science and Engineering	Distributed Systems	Prof. Rajiv Misra	IIT Patna	IITK	8 Weeks
noc21-cs88	Computer Science and Engineering	Operating System Fundamentals	Prof. Santanu Chattopadhyay	IITKGP	IITKGP	12 Weeks
noc21-cs89	Computer Science and Engineering	Introduction to algorithms and analysis	Prof. Sourav Mukhopadhyay	IITKGP	IITKGP	12 Weeks
noc21-cs90	Computer Science and Engineering	Computational Complexity	Prof. Subrahmanyam Kalyanasundaram	IIT Hyderabad	IITM	12 Weeks



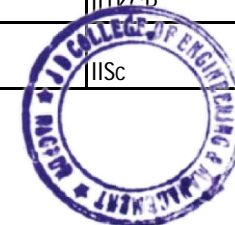
noc21-cs91	Computer Science and Engineering	Secure Computation: Part I	Prof. Ashish Choudhury	IITB	IISc	12 Weeks
noc21-cs92	Computer Science and Engineering	Parameterized Algorithms	Prof. Neeldhara Misra Prof. Saket Saurabh	IIT Gandhinagar IMSC	IITM	12 Weeks
noc21-cs93	Computer Science and Engineering	Deep Learning for Computer Vision	Prof. Vineeth N Balasubramanian	IIT Hyderabad	IITM	12 Weeks
noc21-cs94	Computer Science and Engineering	Demystifying Networking	Prof. Sridhar Iyer	IITB	IITB	4 Weeks
noc21-cs95	Computer Science and Engineering	Advanced computer architecture	Prof. Smruti R. Sarangi	IITD	IITD	12 Weeks
noc21-cs96	Computer Science and Engineering	C-Based VLSI Design	Prof. Chandan Karfa	IITG	IITG	12 Weeks
noc21-cs97	Computer Science and Engineering	Computer Graphics	Prof. Samit Bhattacharya	IITG	IITG	8 Weeks
noc21-cs98	Computer Science and Engineering	Real-Time Systems	Prof. Rajib Mall Prof. Durga Prasad Mohapatra	IITKGP	IITKGP	12 Weeks
noc21-cs99	Computer Science and Engineering	Getting Started with Competitive Programming	Prof. Neeldhara Misra & Mr. Arjun	IIT Gandhinagar	IITM	12 Weeks
noc21-cs100	Computer Science and Engineering	Algorithms for protein modelling and engineering	Prof. Pralay Mitra	IITKGP	IITKGP	12 Weeks
noc21-cs101	Computer Science and Engineering	Computer Vision	Prof. Jayanta Mukhopadhyay	IITKGP	IITKGP	12 Weeks
noc21-cs102	Computer Science and Engineering	Natural Language Processing	Prof. Pawan Goyal	IITKGP	IITKGP	12 Weeks
noc21-cs103	Computer Science and Engineering	Introduction to Quantum Computing: Quantum Algorithms and Qiskit	Prof. Prabha Mandayam Prof. Anupama Ray Prof. Sheshashayee Raghunathan	IBM and IITM	IITM	4 weeks
noc21-cs104	Computer Science and Engineering/Science	Probability for Computer Science	Prof. Nitin Saxena	IITK		8 Weeks
noc21-de08	Design Engineering	Control systems	Prof. C. S. Shankar Ram	IITM	IITM	12 Weeks



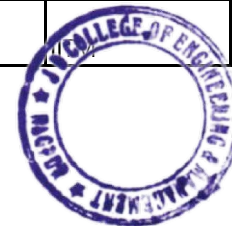
noc21-de09	Design Engineering	System Design for Sustainability	Prof. Sharmistha Banerjee	IITG	IITG	12 Weeks
noc21-de10	Design Engineering	Ergonomics Workplace Analysis	Prof. Urmi R. Salve	IITG	IITG	4 Weeks
noc21-de11	Design Engineering	Geographic Information System	Prof. Bharath H Aithal	IITKGP	IITKGP	12 Weeks
noc21-de12	Design Engineering	Functional and Conceptual Design	Prof. Asokan T	IITM	IITM	12 Weeks
noc21-de13	Design Engineering	Introduction to robotics	Prof. Asokan T Prof. Balaraman Ravindran Prof. Krishna Vasudevan	IITM	IITM	12 Weeks
noc21-de14	Design Engineering	Innovation by Design	Prof. B. K. Chakravarthy	IITB	IITB	4 Weeks
noc21-de15	Design Engineering	Understanding Design	Prof. Nina Sabnani	IITB	IITB	4 Weeks
noc21-de16	Design Engineering	Design, Technology and Innovation	Prof. B. K. Chakravarthy	IITB	IITB	8 Weeks
noc21-de17	Design Engineering	Understanding Ethnography	Prof. Nina Sabnani	IITB	IITB	8 Weeks
noc21-hs56	Economics	Environmental & Resource Economics	Prof. Sabuj Kumar Mandal	IITM	IITM	12 Weeks
noc21-ee60	Electrical and Electronics Engineering	Fabrication Techniques for MEMs-based sensors : clinical perspective	Prof. Hardik Jeetendra Pandya	IISc	IISc	12 Weeks
noc21-ee61	Electrical and Electronics Engineering	Op-Amp Practical Applications: Design, Simulation and Implementation	Prof. Hardik Jeetendra Pandya	IISc	IISc	12 Weeks
noc21-ee62	Electrical and Electronics Engineering	Design of photovoltaic systems	Prof. L Umanand	IISc	IISc	12 Weeks
noc21-ee63	Electrical and Electronics Engineering	Advances in UHV Transmission and Distribution	Prof. Subbba Reddy	IISc	IISc	8 Weeks
noc21-ee64	Electrical and Electronics Engineering	Principles of Modern CDMA/ MIMO/ OFDM Wireless Communications	Prof. Aditya K. Jagannatham	IITK	IITK	8 Weeks



noc21-ee65	Electrical and Electronics Engineering	Principles of Communication Systems: Part - II	Prof. Aditya K. Jagannatham	IITK	IITK	8 Weeks
noc21-ee66	Electrical and Electronics Engineering	Introduction to Wireless and Cellular Communications	Prof. David Koilpillai	IITM	IITM	12 Weeks
noc21-ee67	Electrical and Electronics Engineering	Control engineering	Prof. Ramkrishna Pasumarthy	IITM	IITM	12 Weeks
noc21-ee68	Electrical and Electronics Engineering	Introduction to Smart Grid	Prof. N. P. Padhy Prof. Premalata Jena	IITR	IITR	8 Weeks
noc21-ee69	Electrical and Electronics Engineering	Electrical Distribution System Analysis	Prof. G. B. Kumbhar	IITR	IITR	8 Weeks
noc21-ee70	Electrical and Electronics Engineering	Advanced Linear Continuous Control Systems: Applications with MATLAB Programming and Simulink	Prof. Yogesh Vijay Hote	IITR	IITR	8 Weeks
noc21-ee71	Electrical and Electronics Engineering	Electrical Machines - I	Prof. Tapas Kumar Bhattacharya	IITKGP	IITKGP	12 Weeks
noc21-ee72	Electrical and Electronics Engineering	Microwave Theory and Techniques	Prof. Girish Kumar	IITB	IITB	12 Weeks
noc21-ee73	Electrical and Electronics Engineering	Fundamentals of Electrical Engineering	Prof. Debapriya Das	IITKGP	IITKGP	12 Weeks
noc21-ee74	Electrical and Electronics Engineering	Analog communication	Prof. Goutam Das	IITKGP	IITKGP	12 Weeks
noc21-ee75	Electrical and Electronics Engineering	Digital Circuits	Prof. Santanu Chattopadhyay	IITKGP	IITKGP	12 Weeks
noc21-ee76	Electrical and Electronics Engineering	Millimeter Wave Technology	Prof. Mrinal Kanti Mandal	IITKGP	IITKGP	8 Weeks
noc21-ee77	Electrical and Electronics Engineering	Power system analysis	Prof. Debapriya Das	IITKGP	IITKGP	12 Weeks
noc21-ee78	Electrical and Electronics Engineering	Digital Image Processing	Prof. Prabir Kumar Biswas	IITKGP	IITKGP	12 Weeks
noc21-ee79	Electrical and Electronics Engineering	Pattern Recognition and Application	Prof. Prabir Kumar Biswas	IITKGP	IITKGP	12 Weeks
noc21-ee80	Electrical and Electronics Engineering	Semiconductor Devices and Circuits	Prof. Sanjiv Sambandan	IISc	IISc	12 Weeks



noc21-ee81	Electrical and Electronics Engineering	Optical Engineering	Prof. Shanti Bhattacharya	IITM	IITM	12 Weeks
noc21-ee82	Electrical and Electronics Engineering	Applied Electromagnetics For Engineers	Prof. Pradeep Kumar	IITK	IITK	12 Weeks
noc21-ee83	Electrical and Electronics Engineering	Electromagnetic Theory	Prof. Pradeep Kumar	IITK	IITK	12 Weeks
noc21-ee85	Electrical and Electronics Engineering	Design for internet of things	Prof. T V Prabhakar	IISc	IISc	8 Weeks
noc21-ee86	Electrical and Electronics Engineering	Microelectronics: Devices To Circuits	Prof. Sudeb Dasgupta	IITR	IITR	12 Weeks
noc21-ee87	Electrical and Electronics Engineering	Introduction to Photonics	Prof. Balaji Srinivasan	IITM	IITM	12 Weeks
noc21-ee88	Electrical and Electronics Engineering	Microwave Engineering	Prof. Ratnajit Bhattacharjee	IITG	IITG	12 Weeks
noc21-ee89	Electrical and Electronics Engineering	Analog Electronic Circuits	Prof. Shouribrata chatterjee	IITD	IITD	12 Weeks
noc21-ee90	Electrical and Electronics Engineering	Enclosure design of electronics equipment	Prof. N. V Chalapathi Rao	IISc	IISc	12 Weeks
noc21-ee91	Electrical and Electronics Engineering	Computational Electromagnetics	Prof. Uday Khankhoje	IITM	IITM	12 Weeks
noc21-ee92	Electrical and Electronics Engineering	Probability Foundations for Electrical Engineers	Prof. Krishna Jagannathan	IITM	IITM	12 Weeks
noc21-ee93	Electrical and Electronics Engineering	Stochastic Modeling and the Theory of Queues	Prof. Krishna Jagannathan	IITM	IITM	12 Weeks
noc21-ee94	Electrical and Electronics Engineering	Digital Switching - I	Prof. Y. N. Singh	IITK	IITK	8 Weeks
noc21-ee95	Electrical and Electronics Engineering	Basics of software defined Radios and Practical Applications	Prof. Meenakshi Rawat	IITR	IITR	4 Weeks
noc21-ee96	Electrical and Electronics Engineering	Dc Microgrid and Control System	Prof. Avik Bhattacharya	IITR	IITR	8 Weeks
noc21-ee97	Electrical and Electronics Engineering	System Design Through VERILOG	Prof. Shaik Rafi Ahamed	IITG	IITG	8 Weeks
noc21-ee98	Electrical and Electronics Engineering	Integrated Photonics Devices and Circuits	Prof. Bijoy Krishna Das	IITM		12 Weeks



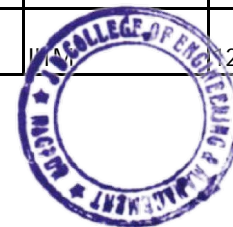
Principal
 J D College of Engineering & Management
 Khandala, Katol Road
 Nagpur-441501

noc21-ee99	Electrical and Electronics Engineering	Basic Electrical Circuits	Prof. Gajendranath Chowdary(Prof. Nagendra Krishnapura)	IIT Hyderabad (IITM)	IITM	12 Weeks
noc21-ee59	Electrical and Electronics Engineering	Introduction to Semiconductor Devices	Prof. Naresh Kumar Emani	IIT Hyderabad	IITM	12 Weeks
noc21-ee100	Electrical and Electronics Engineering	Image Signal Processing	Prof. A. N. Rajagopalan	IITM	IITM	12 Weeks
noc21-ee101	Electrical and Electronics Engineering	Introductory Neuroscience & Neuro-Instrumentation	Prof. Mahesh Jayachandra	IISc	IISc	12 Weeks
noc21-ee102	Electrical and Electronics Engineering	Signal Processing for mm Wave communication for 5G and beyond	Prof. Amit Kumar Dutta	IITKGP	IITKGP	12 Weeks
noc21-ee103	Electrical and Electronics Engineering	Power Quality	Prof. Bhim Singh	IITD	IITD	12 Weeks
noc21-ee104	Electrical and Electronics Engineering	Control and Tuning Methods in Switched Mode Power Converters	Prof. Santanu Kapat	IITKGP	IITKGP	12 Weeks
noc21-ee105	Electrical and Electronics Engineering	Mathematical Aspects of Biomedical Electronic System Design	Prof. Chandramani Singh	IISc	IISc	12 Weeks
noc21-ee106	Electrical and Electronics Engineering	Concentration inequalities	Prof. Aditya Gopalan Prof. Himanshu tyagi	IISc	IISc	8 Weeks
noc21-ee107	Electrical and Electronics Engineering	Electrical Measurement and Electronic Instruments	Prof. Avishek Chatterjee	IITKGP	IITKGP	12 Weeks
noc21-ee108	Electrical and Electronics Engineering	Principles and Techniques of Modern Radar Systems	Prof. Amitabha Bhattacharya	IITKGP	IITKGP	12 Weeks
noc21-ee109	Electrical and Electronics Engineering	Power System Protection	Prof. Ashok Kumar Pradhan	IITKGP	IITKGP	12 Weeks
noc21-ee110	Electrical and Electronics Engineering	Power System Protection and Switchgear	Prof. Bhaveshkumar R. Bhalja	IITR	IITR	8 Weeks

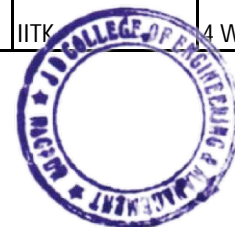


Principal
 J D College of Engineering & Management
 Khandala, Katol Road
 Nagpur-441301

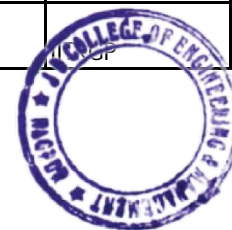
noc21-ee111	Electrical and Electronics Engineering	Advanced Microwave Guided-Structures and Analysis	Prof. Bratin Ghosh	IITKGP	IITKGP	12 Weeks
noc21-ee112	Electrical and Electronics Engineering	Electric vehicles and Renewable energy	Prof. Ashok Jhunjunwala Prof. Prabhjot Kaur Prof. Kaushal Kumar Jha Prof. L Kannan	IITM	IITM	12 Weeks
noc21-ee113	Electrical and Electronics Engineering	Linear Systems Theory	Prof. Ramkrishna Pasumarthy	IITM	IITM	12 Weeks
noc21-ee114	Electrical and Electronics Engineering	Fiber Optic Communication Technology	Prof. Deepa Venkitesh	IITM	IITM	12 Weeks
noc21-hs57	Humanities and Social Sciences	Developing Soft Skills and Personality	Prof. T. Ravichandran	IITK	IITK	8 Weeks
noc21-hs58	Humanities and Social Sciences	Literary and Cultural Disability Studies: An Exploration	Prof. Hemachandran Karah	IITM	IITM	12 Weeks
noc21-hs59	Humanities and Social Sciences	Great Experiments in Psychology	Prof. Rajlakshmi Guha	IITKGP	IITKGP	4 Weeks
noc21-hs60	Humanities and Social Sciences	Water, Society and Sustainability	Prof. Jenia Mukherjee	IITKGP	IITKGP	4 Weeks
noc21-hs61	Humanities and Social Sciences	Educational leadership	Prof. Atasi Mohanty	IITKGP	IITKGP	8 Weeks
noc21-hs62	Humanities and Social Sciences	Health Research Fundamentals	Prof. P. Manickam	NIE	IITM	8 Weeks
noc21-hs63	Humanities and Social Sciences	American Literature & Culture	Prof. Aysha Iqbal	IITM	IITM	12 Weeks
noc21-hs64	Humanities and Social Sciences	Consumer Psychology	Prof. Naveen Kashyap	IITG	IITG	8 Weeks
noc21-hs65	Humanities and Social Sciences	The Psychology Of Language	Prof. Naveen Kashyap	IITG	IITG	8 Weeks
noc21-hs66	Humanities and Social Sciences	Short Fiction in Indian Literature	Prof. Divya A	IITM	IITM	12 Weeks
noc21-hs67	Humanities and Social Sciences	Applied Linguistics	Prof. Rajesh Kumar	IITM	IITM	12 Weeks
noc21-hs68	Humanities and Social Sciences	History of English Language and Literature	Prof. Merin Simi Raj	IITM	IITM	12 Weeks



noc21-hs69	Humanities and Social Sciences	Managing Intellectual Property in Universities	Prof. Feroz Ali	IITM	IITM	4 Weeks
noc21-hs70	Humanities and Social Sciences	Patent Drafting for Beginners	Prof. Feroz Ali	IITM	IITM	4 Weeks
noc21-hs71	Humanities and Social Sciences	Patent Law for Engineers and Scientists	Prof. Feroz Ali	IITM	IITM	12 Weeks
noc21-hs72	Humanities and Social Sciences	Film Appreciation	Prof. Aysha Iqbal	IITM	IITM	8 Weeks
noc21-hs73	Humanities and Social Sciences	Feminist Writings	Prof. Avishek Parui	IITM	IITM	12 Weeks
noc21-hs74	Humanities and Social Sciences	Trauma and Literature	Prof. Avishek Parui	IITM	IITM	12 Weeks
noc21-hs75	Humanities and Social Sciences	Twentieth Century American Drama	Prof. Merin Simi Raj	IITM	IITM	12 Weeks
noc21-hs76	Humanities and Social Sciences	Soft skills	Prof. Binod Mishra	IITR	IITR	12 Weeks
noc21-hs77	Humanities and Social Sciences	Energy Economics And Policy	Prof. Shyamasree Dasgupta	IIT Mandi	IITM	8 Weeks
noc21-hs78	Humanities and Social Sciences	Appreciating Linguistics: A typological approach	Prof. Anindita	IITM	IITM	12 Weeks
noc21-hs79	Humanities and Social Sciences	German - I	Prof. Milind Brahme	IITM	IITM	12 Weeks
noc21-hs80	Humanities and Social Sciences	German - II	Prof. Milind Brahme	IITM	IITM	12 Weeks
noc21-hs81	Humanities and Social Sciences	Sociology of Development	Prof. Sambit Mallick	IITG	IITG	12 Weeks
noc21-hs82	Humanities and Social Sciences	Science, Technology and Society	Prof. Sambit Mallick	IITG	IITG	12 Weeks
noc21-hs83	Humanities and Social Sciences	Environment and Development	Prof. Ngamjahao Kipgen	IITG	IITG	12 Weeks
noc21-hs84	Humanities and Social Sciences	Introduction to Market Structures	Prof. Amarjyoti Mahanta	IITG	IITG	12 Weeks
noc21-hs85	Humanities and Social Sciences	Development Research Methods	Prof. Rajshree Bedamatta	IITG	IITG	8 Weeks
noc21-hs86	Humanities and Social Sciences	Introduction to Literary Theory	Prof. Sayan Chattopadhyay	IITK	IITK	8 Weeks
noc21-hs87	Humanities and Social Sciences	Brief introduction to Psychology	Prof. Braj Bhushan	IITK	IITK	4 Weeks
noc21-hs88	Humanities and Social Sciences	Psychology of Everyday	Prof. Braj Bhushan Prof. Alok Bajpai	IITK	IITK	4 Weeks
noc21-hs89	Humanities and Social Sciences	Cognition, Transformation and Lives	Prof. Alok Bajpai	IITK	IITK	4 Weeks

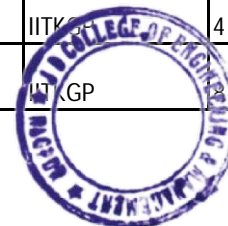


noc21-hs90	Humanities and Social Sciences	Introduction to Japanese Language and Culture	Prof. Vatsala Misra	IITK	IITK	12 Weeks
noc21-hs91	Humanities and Social Sciences	Ecology and Society	Prof. Ngamjahao Kipgen	IITG	IITG	12 Weeks
noc21-hs92	Humanities and Social Sciences	Sociology of Science	Prof. A. J. Mishra	IITR	IITR	4 Weeks
noc21-hs93	Humanities and Social Sciences	Body language: Key to professional Success	Prof. Rashmi Gaur	IITR	IITR	4 Weeks
noc21-hs94	Humanities and Social Sciences	Globalization and Culture	Prof. Anjali Gera Roy	IITKGP	IITKGP	8 Weeks
noc21-hs95	Humanities and Social Sciences	Appreciating Carnatic Music	Prof. Lakshmi Sreeram	IITM	IITM	8 Weeks
noc21-hs96	Humanities and Social Sciences	Urbanization and Environment	Prof. Jenia Mukherjee	IITKGP	IITKGP	8 Weeks
noc21-hs97	Humanities and Social Sciences	The Popular Gothic Novel	Prof. Divya A	IITM	IITM	12 Weeks
noc21-hs98	Humanities and Social Sciences	Classical Sociological Theory	Prof. R. Santhosh	IITM	IITM	12 Weeks
noc21-hs99	Humanities and Social Sciences	Poetry	Prof. S P Dhanavel	IITM	IITM	12 Weeks
noc21-hs100	Humanities and Social Sciences	Fundamental Concepts in Sociolinguistics	Prof. Om Prakash	Gautam Buddha University	IITM	12 Weeks
noc21-hs101	Humanities and Social Sciences	Introduction to Western Political Thought	Prof. Mithilesh Kumar Jha	IITG	IITG	12 Weeks
noc21-hs102	Humanities and Social Sciences	Entrepreneurship and IP Strategy	Prof. Gouri Gargate	IITKGP	IITKGP	8 Weeks
noc21-hs103	Humanities and Social Sciences	Patent Search for Engineers and Lawyers	Prof. M Padmavati Prof. Shreya Matilal	IITKGP	IITKGP	8 Weeks
noc21-hs104	Humanities and Social Sciences(Econ	Mathematics for Economics - I	Prof. Debarshi Das	IITG	IITG	12 Weeks
noc21-hs105	Humanities and Social Sciences	Introduction to Advanced Cognitive Processes	Prof. Ark Verma	IITK	IITK	8 Weeks
noc21-hs106	Humanities and Social Sciences	Introduction to Basic Cognitive Processes	Prof. Ark Verma	IITK	IITK	8 Weeks
noc21-hs107	Humanities and Social Sciences	Spoken Sanskrit: Basic and Intermediate Levels	Prof. Anuradha Choudry	IITKGP		12 Weeks

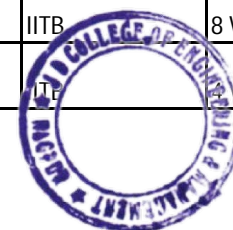


Principal
 J D College of Engineering & Management
 Khandala, Katol Road
 Nagpur-441301

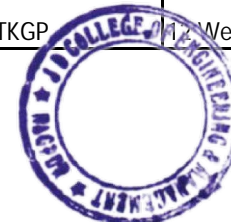
noc21-lw01	Law	Right to Information and Good Governance	Prof. Sairam Bhat	National Law School of India University	IITM	12 Weeks
noc21-lw02	Law	Constitution of India and Environmental Governance: Administrative and Adjudicatory Process	Prof. Sairam Bhat Prof. M. K. Ramesh	National Law School of India University	IITM	12 Weeks
noc21-lw03	Law	Introduction to Law on Electricity	Prof. Uday Shankar	IITKGP	IITKGP	8 Weeks
noc21-lw04	Law	Legal and Regulatory Issues in Biotechnology	Prof. Niharika Sahoo Bhattacharya	IITKGP	IITKGP	4 Weeks
noc21-mg49	Management	Human resource development	Prof. KBL Srivastava	IITKGP	IITKGP	12 Weeks
noc21-mg50	Management	Strategy: An Introduction to game Theory	Prof. Aditya K. Jagannatham Prof. Vimal Kumar	IITK	IITK	8 Weeks
noc21-mg51	Management	Marketing Management - I	Prof. Jayanta Chatterjee Prof. Shashi Shekhar	IITK	IITK	8 Weeks
noc21-mg52	Management	Managing Services	Prof. Jayanta Chatterjee	IITK	IITK	8 Weeks
noc21-mg53	Management	Design Thinking - A Primer	Prof. Ashwin Mahalingam Prof. Bala Ramadurai	IITM	IITM	4 Weeks
noc21-mg54	Management	Corporate social responsibility	Prof. Aradhna Malik	IITKGP	IITKGP	8 Weeks
noc21-mg55	Management/Multidisciplinary	Strategic Communication for Sustainable Development	Prof. Aradhna Malik	IITKGP	IITKGP	4 Weeks
noc21-mg56	Management	Knowledge Management	Prof. KBL Srivastava	IITKGP	IITKGP	8 Weeks
noc21-mg57	Management	Gender justice and workplace security	Prof. Dipa Dube	IITKGP	IITKGP	4 Weeks
noc21-mg58	Management	Commodity Derivatives and Risk Management	Prof. Prabina Rajib	IITKGP	IITKGP	4 Weeks



noc21-mg59	Management	Industrial Safety Engineering	Prof. Jhareswar Maiti	IITKGP	IITKGP	12 Weeks
noc21-mg60	Management	Ethics in Engineering Practice	Prof. Susmita Mukhopadhyay	IITKGP	IITKGP	8 Weeks
noc21-mg61	Management	Working Capital Management	Prof. Anil K. Sharma	IITR	IITR	12 Weeks
noc21-mg62	Management	Management Accounting	Prof. Anil K. Sharma	IITR	IITR	12 Weeks
noc21-mg63	Management	Innovation, Business Models and Entrepreneurship	Prof. Rajat Agarwal Prof. Vinay Sharma	IITR	IITR	8 Weeks
noc21-mg64	Management	Business Analytics & Data Mining Modeling Using R Part II	Prof. Gaurav Dixit	IITR	IITR	4 Weeks
noc21-mg65	Management	Business Analytics & Text Mining Modeling Using Python	Prof. Gaurav Dixit	IITR	IITR	8 Weeks
noc21-mg66	Management	Project management for managers	Prof. Mukesh Kumar Barua	IITR	IITR	12 Weeks
noc21-mg67	Management	Marketing research and analysis	Prof. J.K.Nayak	IITR	IITR	8 Weeks
noc21-mg68	Management	Manufacturing Strategy	Prof. Rajat Agarwal	IITR	IITR	8 Weeks
noc21-mg69	Management	Toyota Production System	Prof. Rajat Agarwal	IITR	IITR	8 Weeks
noc21-mg70	Management	Entrepreneurship	Prof. C Bhaktavatsala Rao	IITM	IITM	12 Weeks
noc21-mg71	Management	Project Management	Prof. Raghu Nandan Sengupta	IITK	IITK	8 Weeks
noc21-mg72	Management	Total Quality Management - II	Prof. Raghu Nandan Sengupta	IITK	IITK	8 Weeks
noc21-mg73	Management	Training Of Trainers	Prof. Santosh Rangnekar	IITR	IITR	12 Weeks
noc21-mg74	Management	Decision-Making Under Uncertainty	Prof. N. Gautam	Texas A&M Univ.	IITM	4 Weeks
noc21-mg75	Management	Financial Accounting	Prof. Varadraj Bapat	IITB	IITB	8 Weeks
noc21-mg76	Management	Cost Accounting	Prof. Varadraj Bapat	IITB	IITB	8 Weeks

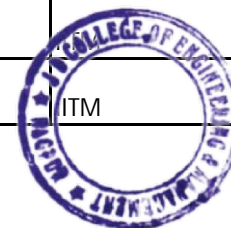


noc21-mg77	Management	Applied Econometrics	Prof. Tutan Ahmed	IITKGP	IITKGP	12 Weeks
noc21-mg78	Management	Services Marketing : Integrating People, Technology, Strategy	Prof. Zillur Rahman	IITR	IITR	8 Weeks
noc21-mg79	Management	Operations and supply chain management	Prof. G. Srinivasan	IITM	IITM	12 Weeks
noc21-mg80	Management	Econometric Modelling	Prof. Sujata Kar	IITR	IITR	8 Weeks
noc21-mg81	Management	Infrastructure Planning and Managements	Prof. Ashwin Mahalingam	IITM	IITM	12 Weeks
noc21-mg82	Management	Organizational Behaviour	Prof. M. P. Ganesh	IIT Hyderabad	IITM	12 Weeks
noc21-mg83	Management	The Future of Manufacturing Business: Role of Digital Technologies	Prof. R. K. Amit Prof. U. Chandrasekhar	IITM & Wipro 3D	IITM	8 Weeks
noc21-mg84	Management	Financial Derivatives & Risk Management	Prof. J. P. Singh	IITR	IITR	12 Weeks
noc21-mg85	Management	Sustainability through Green Manufacturing Systems: An Applied Approach	Prof. Deepu Philip Prof. Amandeep Singh	IITK	IITK	8 Weeks
noc21-mg86	Management	Practitioners Course in Descriptive, Predictive and Prescriptive Analytics	Prof. Deepu Philip Prof. Amandeep Singh Prof. Sanjeev Newar	IITK	IITK	8 Weeks
noc21-mg87	Management	Organizational Behaviour - II	Prof. Susmita Mukhopadyay Prof. Sangeeta Sahney Prof. S. Srinivasan	IITKGP	IITKGP	12 Weeks
noc21-mg88	Management	Principles of Management	Prof. Susmita Muhopadhyay Prof. S. Srinivasan	IITKGP	IITKGP	12 Weeks

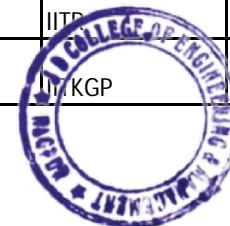




Principal
J D College of Engineering & Management
 Khandala, Katol Road
 Nagpur-441301

noc21-mg89	Management	Management Information System	Prof. Kunal Kanti Ghosh Prof. Saini Das Prof. Surojit Mukherjee	IITKGP	IITKGP	12 Weeks
noc21-mg90	Economics/Management	Managerial Economics	Prof. Trupti Mishra	IITB	IITB	12 Weeks
noc21-mg91	Management	Organization Development and Change in 21st Century	Prof. Ashish Pandey	IITB	IITB	8 Weeks
noc21-mg92	Management	Automation in Production Systems and Management	Prof. Pradip Kumar Ray	IITKGP	IITKGP	12 Weeks
noc21-mg93	Management	Corporate Finance	Prof. Abhijeet Chandra	IITKGP	IITKGP	8 Weeks
noc21-mg94	Management	Business and Sustainable Development	Prof. Trupti Mishra	IITB	IITB	4 Weeks
noc21-mg95	Management	Decision Modeling	Prof. Biswajit Mahanty	IITKGP	IITKGP	8 Weeks
noc21-mg96	Management	Intellectual Property Rights and Competition Law	Prof. KD Raju Prof. Niharika Sahoo Bhattacharya	IITKGP	IITKGP	8 Weeks
noc21-mg97	Management	Introduction to Marketing Essentials	Prof. Zillur Rahman	IITR	IITR	8 Weeks
noc21-mg98	Management	International Business	Prof. J. K. Nayak	IITR	IITR	12 Weeks
noc21-mg99	Management	Security Analysis & Portfolio Management	Prof. J. P. Singh	IITR	IITR	12 Weeks
noc21-ma38	Mathematics	Essential Mathematics for Machine Learning	Prof. Sanjeev Kumar Prof. S.K. Gupta	IITR	IITR	8 Weeks + 4 Weeks new
noc21-ma39	Mathematics	Complex Analysis	Prof. Pranav Haridas	Kerala School of Mathematics	IITM	12 Weeks
noc21-ma40	Mathematics	Computational Commutative Algebra	Prof. Manoj Kummini	CMI		12 Weeks
noc21-ma41	Mathematics	Groups: Motion, symmetry and puzzles	Prof. Amit Kulshrestha	IISER Mohali	IITM	4 Weeks

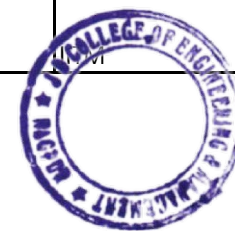


noc21-ma42	Mathematics	Introduction to Abstract Group Theory	Prof. Krishna Hanumanthu	CMI	IITM	8 Weeks
noc21-ma43	Mathematics	Regression Analysis	Prof. Soumen Maity	IISER Pune	IITM	12 Weeks
noc21-ma44	Mathematics	Introduction to Abstract and Linear Algebra	Prof. Sourav Mukhopadhyay	IITKGP	IITKGP	8 Weeks
noc21-ma45	Mathematics	Numerical methods	Prof. Ameeya Kumar Nayak Prof. Sanjeev Kumar	IITR	IITR	8 Weeks
noc21-ma46	Mathematics	Matrix Analysis with Applications	Prof. S.K.Gupta Prof. Sanjeev Kumar	IITR	IITR	8 Weeks
noc21-ma47	Mathematics	First Course on Partial Differential Equations - II	Prof. A. K. Nandakumaran Prof. P.S. Datti	IISc	IISc	8 Weeks
noc21-ma48	Mathematics	Mathematical Methods in Physics 2	Prof. Auditya Sharma	IISER Bhopal	IITM	8 Weeks
noc21-ma49	Mathematics	Introduction to Algebraic Topology (Part-II)	Prof. Anant R. Shastri	IITB	IITB	12 Weeks
noc21-ma50	Mathematics	Linear Algebra	Prof. Dilip Patil	IISc	IISc	12 Weeks
noc21-ma51	Mathematics	Partial Differential Equations	Prof. Sivaji Ganesh	IITB	IITB	12 Weeks
noc21-ma52	Mathematics	Measure Theory - IITB	Prof. Inder Kumar Rana	IITB	IITB	12 Weeks
noc21-ma53	Mathematics	Calculus for Economics, Commerce and Management	Prof. Inder Kumar Rana	IITB	IITB	8 Weeks
noc21-ma54	Mathematics	Galois Theory	Prof. Dilip Patil	IITB	IITB	12 Weeks
noc21-ma55	Mathematics	Introduction to Fuzzy Set Theory, Arithmetic and Logic	Prof. Niladri Chatterjee	IITD	IITD	12 Weeks
noc21-ma56	Mathematics	Mathematical Methods and its Applications	Prof. P. N. Agrawal Prof. S. K. Gupta	IITR	IITR	12 Weeks
noc21-ma57	Mathematics	Advanced Engineering Mathematics	Prof. P.N. Agarwal	IITR	IITR	12 Weeks
noc21-ma58	Mathematics	Engineering Mathematics - I	Prof. Jitendra Kumar	IITKGP	IITKGP	12 Weeks




Principal
 J D College of Engineering & Management
 Khandala, Katol Road
 Nagpur-441501

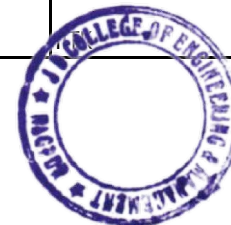
noc21-ma59	Mathematics	Integral Transforms And Their Applications	Prof. Sarthok Sircar	IITD	IITM	12 Weeks
noc21-ma60	Mathematics	Calculus of One Real Variable	Prof. Joydeep Dutta	IITK	IITK	8 Weeks
noc21-ma61	Mathematics	Calculus of Several Real Variables	Prof. Joydeep Dutta	IITK	IITK	8 Weeks
noc21-ma62	Mathematics	Operations Research	Prof. Kusumdeep	IITR	IITR	8 Weeks
noc21-ma63	Mathematics	Real Analysis II	Prof. Jaikrishnan J	IIT Palakkad	IITM	12 Weeks
noc21-ma64	Mathematics	Introduction to Methods of Applied Mathematics	Prof. Mani Mehra Prof. Vivek Kumar Aggarwal	IITD	IITD	12 Weeks
noc21-ma65	Mathematics	Matrix Computation and its applications	Prof. Vivek K. Aggarwal	IITD	IITD	12 Weeks
noc21-ma66	Mathematics	Introduction to Probability Theory and Stochastic Processes	Prof. S Dharmaraja	IITD	IITD	12 Weeks
noc21-ma67	Mathematics	Sobolev Spaces and Partial Differential Equations	Prof. Kesavan	IMSc	IITM	12 Weeks
noc21-ma68	Mathematics	Combinatorics	Prof. Narayanan N	IITM	IITM	12 Weeks
noc21-ma69	Mathematics	Laplace Transform	Prof. Indrava Roy	IMSc	IITM	4 Weeks
noc21-ma70	Mathematics	Measure Theory - IMSc	Prof. Indrava Roy	IMSc	IITM	12 Weeks
noc21-ma71	Mathematics	Algebra - I	Prof. S. Viswanath Prof. Amritanshu Prasad	IMSc	IITM	12 Weeks
noc21-ma72	Mathematics	Measure Theoretic Probability 1	Prof. Suprio Bhar	IITK	IITK	8 Weeks
noc21-ma73	Mathematics	Non-parametric Statistical Inference	Prof. Niladri Chatterjee	IITD	IITD	4 Weeks
noc21-ma74	Mathematics	Probability and Statistics	Prof. Somesh Kumar	IITKGP	IITKGP	12 Weeks
noc21-ma75	Mathematics	Introduction To R Software	Prof. Shalabh	IITK	IITK	8 Weeks
noc21-ma76	Mathematics	Descriptive Statistics With R Software	Prof. Prashant Jha Prof. Shalabh	IITK	IITK	8 Weeks
noc21-ma77	Mathematics	Our Mathematical Senses Part 1: Geometry of Vision	Prof. Vijay Ravikumar	CMI		4 Weeks



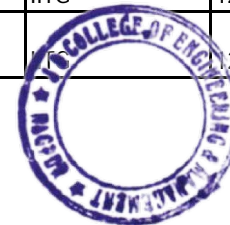
noc21-me72	Mechanical Engineering	Manufacturing Systems Technology I & II	Prof. Shantanu Bhattacharya	IITK	IITK	12 Weeks
noc21-me73	Mechanical Engineering	Concepts of Thermodynamics	Prof. Suman Chakraborty Prof. Aditya Bandopadhyay	IITKGP	IITKGP	12 Weeks
noc21-me74	Mechanical Engineering	Heat Exchangers: Fundamentals and Design Analysis	Prof. Prasanta Kr Das Prof. Indranil Ghosh	IITKGP	IITKGP	12 Weeks
noc21-me75	Mechanical Engineering	Fluid Machines	Prof. Suman Chakraborty	IITKGP	IITKGP	8 Weeks
noc21-me76	Mechanical Engineering	Robotics	Prof. DK Pratihari	IITKGP	IITKGP	8 Weeks
noc21-me77	Mechanical Engineering	Foundation of Computational Fluid Dynamics	Prof. Vengadesan	IITM	IITM	8 Weeks
noc21-me78	Mechanical Engineering	Advances in welding and joining technologies	Prof. Swarup Bag	IITG	IITG	8 Weeks
noc21-me79	Mechanical Engineering	Principle of Hydraulic Machines and System Design	Prof. Pranab K. Mondal	IITG	IITG	8 Weeks + 4 Weeks new
noc21-me80	Mechanical Engineering	Introduction to Mechanical Vibration	Prof. Anil Kumar	IITR	IITR	8 Weeks
noc21-me81	Mechanical Engineering	Fundamentals of manufacturing processes	Prof. D K Dwivedi	IITR	IITR	12 Weeks
noc21-me82	Mechanical Engineering	Joining Technologies for metals	Prof. D K Dwivedi	IITR	IITR	8 Weeks
noc21-me83	Mechanical Engineering	Product Design and Development	Prof. Inderdeep Singh	IITR	IITR	4 Weeks
noc21-me84	Mechanical Engineering	Work System Design	Prof. Inderdeep Singh	IITR	IITR	12 Weeks
noc21-me85	Mechanical Engineering	Refrigeration and air-conditioning	Prof. Ravi Kumar	IITR	IITR	8 Weeks
noc21-me86	Mechanical Engineering	Power Plant Engineering	Prof. Ravi Kumar	IITR	IITR	8 Weeks
noc21-me87	Mechanical Engineering	Principles of Metal Forming Technology	Prof. Pradeep Kumar Jha	IITR	IITR	8 Weeks
noc21-me88	Mechanical Engineering	Theory of Production Processes	Prof. Pradeep Kumar Jha	IITR	IITR	12 Weeks



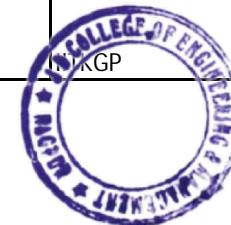
noc21-me89	Mechanical Engineering	Advanced Machining Processes	Prof. Manas Das	IITG	IITG	8 Weeks
noc21-me90	Mechanical Engineering	Elements of metal cutting, Machine tools, gear cutting and CNC machining	Prof. Asimava Roy Choudhury	IITKGP	IITKGP	12 Weeks
noc21-me91	Mechanical Engineering	Fundamentals of Conduction and Radiation	Prof. Amaresh Dalal Prof. Dipankar N.Basu	IITG	IITG	12 Weeks
noc21-me92	Mechanical Engineering	Applied Thermodynamics For Engineers	Prof. Dipankar N. Basu	IITG	IITG	12 Weeks
noc21-me93	Mechanical Engineering	Dynamic Behaviour Of Materials	Prof. Prasenjit Khanikar	IITG	IITG	12 Weeks
noc21-me94	Mechanical Engineering	Steam Power Engineering	Prof. Vinayak N. Kulkarni	IITG	IITG	8 Weeks
noc21-me95	Mechanical Engineering	Aircraft Propulsion	Prof. Vinayak N. Kulkarni	IITG	IITG	12 Weeks
noc21-me96	Mechanical Engineering	Advanced Dynamics	Prof. Anirvan DasGupta	IITKGP	IITKGP	12 Weeks
noc21-me97	Mechanical Engineering	Production Technology: Theory and Practice	Prof. Sounak Kumar Choudhury	IITK	IITK	12 Weeks
noc21-me99	Mechanical Engineering	Welding Application Technology	Prof. Pankaj Biswas	IITG	IITG	8 Weeks
noc21-me100	Mechanical Engineering	Foundations of Cognitive Robotics	Prof. Bishakh Bhattacharya	IITK	IITK	4 Weeks
noc21-me101	Mechanical Engineering	Principles of Vibration Control	Prof. Bishakh Bhattacharya	IITK	IITK	4 Weeks
noc21-me102	Mechanical Engineering	Design Practice - II	Prof. Shantanu Bhattacharya	IITK	IITK	8 Weeks
noc21-me103	Mechanical Engineering	Polymer Assisted Abrasive Finishing Processes	Prof. M. Ravi Sankar	IITG	IITG	4 Weeks
noc21-me104	Mechanical Engineering	Rapid Manufacturing	Prof. J. Ramkumar Prof. Amandeep Singh	IITK		12 Weeks



noc21-me105	Mechanical Engineering	Engineering Metrology	Prof. J. Ramkumar Prof. Amandeep Singh	IITK	IITK	12 Weeks
noc21-me106	Mechanical Engineering	RAC Product Design	Prof. Sanjeev Jain Prof. Bhupinder Godara	IITD	IITD	4 Weeks
noc21-me107	Mechanical Engineering	Foundations of Computational Materials Modelling	Prof. Narasimhan Swaminathan	IITM	IITM	12 Weeks
noc21-me108	Mechanical Engineering	Mechanics and Control of Robotic Manipulators	Prof. Santhakumar Mohan	IIT Palakkad	IITM	8 Weeks
noc21-me109	Mechanical Engineering	Basics Of Finite Element Analysis - I	Prof. Nachiketa Tiwari	IITK	IITK	8 Weeks
noc21-me110	Mechanical Engineering	Introduction To Composites	Prof. Nachiketa Tiwari	IITK	IITK	12 Weeks
noc21-me111	Mechanical Engineering	Thermodynamics	Prof. Anand T. N. C	IITM	IITM	12 Weeks
noc21-me112	Mechanical Engineering	Computational Fluid Dynamics using Finite Volume Method	Prof. Kameswararao Anupindi	IITM	IITM	12 Weeks
noc21-me113	Mechanical Engineering	Basics of Materials Engineering	Prof. Ratna Kumar Annabattula	IITM	IITM	12 Weeks
noc21-me115	Mechanical Engineering	Fundamentals of Additive Manufacturing Technologies	Prof. Sajan Kapil	IITG	IITG	12 Weeks
noc21-me116	Mechanical Engineering	Fundamentals of Convective Heat Transfer	Prof. Amaresh Dalal	IITG	IITG	12 Weeks
noc21-me117	Mechanical Engineering	Solid Mechanics	Prof. Ajeet Kumar	IITD	IITD	12 Weeks
noc21-me118	Mechanical Engineering	Fluid dynamics and turbomachines	Prof. Dhiman Chatterjee Prof. Shamit Bakshi	IITM	IITM	8 Weeks
noc21-me119	Mechanical Engineering	Applied Thermodynamics	Prof. Niranjana Sahoo Prof. Pranab K. Mondal	IITG	IITG	12 Weeks
noc21-me120	Mechanical Engineering	Automation in Manufacturing	Prof. Shrikrishna N. Joshi	IITG	IITG	12 Weeks
noc21-me121	Mechanical Engineering	Computational Continuum Mechanics	Prof. Sachin Singh Gautam	IITG		2 Weeks

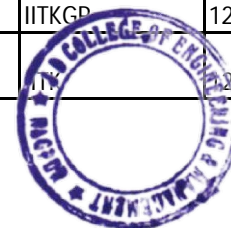


noc21-me122	Mechanical Engineering	Finite Element Method: Variational Methods to Computer Programming	Prof. Atanu Banerjee Prof. Arup Nandy	IITG	IITG	12 Weeks
noc21-me123	Mechanical Engineering	Fundamentals of Compressible Flow	Prof. Niranjana Sahoo	IITG	IITG	8 Weeks + 4 Weeks new
noc21-me124	Mechanical Engineering	Mathematical Modeling of Manufacturing Processes	Prof. Swarup Bag	IITG	IITG	12 Weeks
noc21-me125	Mechanical Engineering	Engineering Drawing and Computer Graphics	Prof. Rajaram Lakkaraju	IITKGP	IITKGP	12 Weeks
noc21-me126	Mechanical Engineering	Computational Fluid Dynamics	Prof. Suman Chakraborty	IITKGP	IITKGP	12 Weeks
noc21-me127	Mechanical Engineering	Introduction to Turbomachinery	Prof. Subrata Sarkar	IITK	IITK	12 Weeks
noc21-me128	Mechanical Engineering	Engineering Graphics and Design	Prof. Naresh Varma Datla and Prof. S.R Kale	IITD	IITD	12 Weeks
noc21-me129	Mechanical Engineering, Electronics	Design of Mechatronic Systems	Prof. Prasanna Gandhi	IITB	IITB	12 Weeks
noc21-me130	Mechanical Engineering / Bioengineering	Biomechanics of Joints and Orthopaedic Implants	Prof. Sanjay Gupta	IITKGP	IITKGP	8 Weeks
noc21-mm18	Metallurgical and Materials Engineering	Techniques of Material Characterization	Prof. Shibayan Roy	IITKGP	IITKGP	12 Weeks
noc21-mm19	Metallurgical and Materials Engineering	Welding of Advanced High Strength Steels for Automotive Applications	Prof. Murugaiyan Amirthalingam	IITM	IITM	4 Weeks
noc21-mm20	Metallurgical and Materials Engineering	Physics Of Materials	Prof. Prathap Haridoss	IITM	IITM	12 Weeks
noc21-mm21	Metallurgical and Materials Engineering	Structural Analysis of Nanomaterials	Prof. Kaushik Pal	IITR	IITR	4 Weeks
noc21-mm22	Metallurgical and Materials Engineering	Advanced Materials and Processes	Prof. Jayanta Das	IITKGP	IITKGP	12 Weeks
noc21-mm23	Metallurgical and Materials Engineering	Energy conservation and waste heat recovery	Prof. Prasanta Kr Das Prof. A Bhattacharya	IITKGP	IITKGP	12 Weeks




Principal
 J D College of Engineering & Management
 Khandala, Katol Road
 Nagpur-441301

noc21-mm24	Metallurgical and Materials Engineer	X-ray Crystallography & Diffraction	Prof. Ranjit Kumar Ray Prof. S. Sankaran	IEST Shibpur IITM	IITM	12 Weeks
noc21-mm25	Metallurgical and Materials Engineer	Elementary Stereology for Quantitative Metallography	Prof. Sandeep Sangal Prof. Sankaran	IITM	IITM	4 Weeks
noc21-mm26	Metallurgical and Materials Engineer	Fundamentals of electronic device fabrication	Prof. Parasuraman Swaminathan	IITM	IITM	4 Weeks
noc21-mm27	Metallurgical and Materials Engineer	Mechanical Behavior of Materials	Prof. S. Sankaran	IITM	IITM	12 Weeks
noc21-mm28	Metallurgical and Materials Engineer	An Introduction To Materials: Nature And Properties (Part 1: Structure Of Materials)	Prof. Ashish Garg	IITK	IITK	8 Weeks
noc21-mm29	Metallurgical and Materials Engineer	Phase Equilibria in Materials (Nature & Properties of Materials-II)	Prof. Ashish Garg	IITK	IITK	8 Weeks
noc21-mm30	Metallurgical and Materials Engineer	Thermo-Mechanical And Thermo-Chemical Processes	Prof. Vivek Pancholi Prof. S. R. Meka	IITR	IITR	8 Weeks
noc21-mm31	Metallurgical and Materials Engineer	Defects in Crystalline Solids (Part-I)	Prof. Shashank Shekhar	IITK	IITK	8 Weeks
noc21-mm32	Metallurgical and Materials Engineer	Fundamentals of Material Processing - I	Prof. Shashank Shekhar	IITK	IITK	8 Weeks
noc21-mm33	Metallurgical and Materials Engineer	Powder Metallurgy	Prof. Ranjit Bauri	IITM	IITM	12 Weeks
noc21-mm34	Metallurgical and Materials Engineer	Electrochemical Energy Storage	Prof. Subhasish Basu Majumder	IITKGP	IITKGP	12 Weeks
noc21-mm35	Metallurgical and Materials Engineer	Aqueous Corrosion and Its Control	Prof. V. S. Raja	IITB	IITB	12 Weeks
noc21-mm36	Metallurgical and Materials Engineer	Corrosion Failures and Analysis	Prof. Kallol Mondal	IITK	IITK	8 Weeks
noc21-mm37	Metallurgical and Materials Engineer	Texture in Materials	Prof. Somjeet Biswas	IITKGP	IITKGP	12 Weeks
noc21-mm38	Metallurgical and Materials Engineer	Nanomaterials and their Properties	Prof. Krishanu Biswas	IITK		12 Weeks



noc21-mm39	Mining Engineering	Underground Mining of Metalliferous deposits	Prof. Bibhuti Bhusan Mandal Prof. Kaushik Dey	IITKGP	IITKGP	12 Weeks
noc21-mm40	Mining Engineering	Surface Mining Technology	Prof. Kaushik Dey	IITKGP	IITKGP	12 Weeks
noc21-ge15	Multidisciplinary	Introduction to Research	Prof. Prathap Haridoss	IITM	IITM	8 Weeks
noc21-ge16	Multidisciplinary	Ecology and Environment	Prof. Abhijit Deshpande Prof. R. Ravi Krishna	IITM	IITM	8 Weeks
noc21-ge17	Multidisciplinary	Neuroscience of Human Movements	Prof. Varadhan	IITM	IITM	12 Weeks
noc21-ge18	Multidisciplinary	Stress Management	Prof. Rajlakshmi Guha	IITKGP	IITKGP	4 Weeks
noc21-ge19	Multidisciplinary	Teaching And Learning in General Programs: TALG	Prof. N J Rao	IISc	IISc	4 Weeks
noc21-ge20	Multidisciplinary	Fundamentals Of Artificial Intelligence	Prof. Shyamanta M. Hazarika	IITG	IITG	12 Weeks
noc21-ge21	Multidisciplinary	Learning Analytics Tools	Prof. Ramkumar Rajendran	IITB	IITB	12 Weeks
noc21-ge22	Multidisciplinary	Accreditation and Outcome based Learning	Prof. AK Ray Prof. Shyamal Kumar Das Mandal	IITKGP	IITKGP	8 Weeks
noc21-ge23	Multidisciplinary	Solar Energy Engineering and Technology	Prof. Pankaj Kalita	IITG	IITG	12 Weeks
noc21-ge24	Multidisciplinary	Game Theory	Prof. K.S. Mallikarjuna Rao	IITB	IITB	8 Weeks




Principal
 J D College of Engineering & Management
 Khandala, Katol Road
 Nagpur-441301


noc21-ge25	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, DBT	IITM	8 Weeks
noc21-ge26	Multidisciplinary	Numerical Methods for Engineers	Prof. Niket Kaisare	IITM	IITM	12 Weeks
noc21-oe02	Ocean Engineering	Dynamics of Ocean Structures	Prof. Srinivasan Chandrasekaran	IITM	IITM	12 Weeks
noc21-oe03	Ocean Engineering	Computer Methods Of Structural Analysis Of Offshore Structures	Prof. Srinivasan Chandrasekaran	IITM	IITM	12 Weeks
noc21-oe04	Ocean Engineering	Hydrostatics and Stability	Prof. Hari Warrior	IITKGP	IITKGP	12 Weeks
noc21-ph19	Physics	Experimental Physics I	Prof. Amal Kumar Das	IITKGP	IITKGP	12 Weeks
noc21-ph20	Physics	Computational Physics	Prof. Apratim Chatterji Prof. Prasenjit Ghosh	IISER Pune	IITM	12 Weeks
noc21-ph21	Physics	Solid State Physics	Prof. Nirmal Ganguli	IISER Bhopal	IITM	8 Weeks
noc21-ph22	Physics	Numerical Methods And Simulation Techniques For Scientists And Engineers	Prof. Saurabh Basu	IITG	IITG	8 Weeks
noc21-ph23	Physics	Advanced Quantum Mechanics with Applications	Prof Saurabh Basu	IITG	IITG	8 Weeks
noc21-ph24	Physics	Waves and Oscillations	Prof. M. S. Santhanam	IISER Pune	IITM	12 Weeks




Principal
 J D College of Engineering & Management
 Khandala, Katol Road
 Nagpur-441301

noc21-ph25	Physics	Solar Photovoltaics Fundamentals, Technology And Applications	Prof. Soumitra SataPathi	IITR	IITR	8 Weeks
noc21-ph26	Physics	Nuclear and Particle Physics	Prof. Poulouse Poulouse	IITG	IITG	12 Weeks
noc21-ph27	Physics	Theoretical Mechanics	Prof. Charudatt Kadolkar	IITG	IITG	12 Weeks
noc21-ph28	Physics	Introduction to Quantum Field Theory(Theory of Scalar Fields)	Prof. Anurag Tripathi	IIT Hyderabad	IITM	12 Weeks
noc21-ph29	Physics	Introduction to Classical Mechanics	Prof. Anurag Tripathi	IIT Hyderabad	IITM	12 Weeks
noc21-ph30	Physics	Introduction to Solid State Physics	Prof. Manoj Harbola Prof. Satyajit Banerjee	IITK	IITK	12 Weeks
noc21-ph31	Physics	Upstream LNG Technology	Prof. Pavitra Sandilya	IITKGP	IITKGP	12 Weeks
noc21-ph32	Physics	Classical Mechanics: From Newtonian to Lagrangian Formulation	Prof. Debamalya Banerjee	IITKGP	IITKGP	12 Weeks
noc21-ph33	Physics/ Energy Science and Technol	Physics of Renewable Energy Systems	Prof. Amreesh Chandra	IITKGP	IITKGP	12 Weeks
noc21-ph34	Physics/Chemistry/Materials Science	Bonds and Bands in Solids	S. Ramasesha	IISc	IISc	12 Weeks
noc21-te06	Textile Engineering	Science of Clothing Comfort	Prof. Apurba Das	IITD	IITD	12 Weeks
noc21-te07	Textile Engineering	Textile Finishing	Prof. Kushal Sen	IITD	IITD	12 Weeks
noc21-te08	Textile Engineering	Science and Technology of Weft and Warp Knitting	Prof. Bipin Kumar	IITD	IITD	12 Weeks
noc21-te09	Textile Engineering	Technical Textiles	Prof. Apurba Das	IITD	IITD	12 Weeks
noc21-te10	Textile Engineering	Principles of Combing, Roving preparation & Ring spinning	Prof. R. Chattopadhyay	IITD		12 Weeks




Principal
J D College of Engineering & Management
 Khandala, Katol Road
 Nagpur-441301

noc21-te11	Textile Engineering	Yarn manufacture I : Principle of Carding and Drawing	Prof. R. Chattopadhyay	IITD	IITD	8 Weeks + 4 Weeks new
noc22-ae01	Aerospace Engineering	Aircraft Design	Prof. A.K.Ghosh	IITK	IITK	12 Weeks
noc22-ae02	Aerospace Engineering	Introduction to Experiments in Flight	Prof. A.K.Ghosh	IITK	IITK	4 Weeks
noc22-ae03	Aerospace engineering	Rocket Propulsion	Prof. K. Ramamurthi Prof. V. Nagabhushana Rao	IITM	IITM	12 Weeks
noc22-ae04	Aerospace engineering	Computational Science in Engineering	Prof. Ashoke De	IITK	IITK	8 Weeks
noc22-ae05	Aerospace engineering	Gasdynamics: Fundamentals and Applications	Prof. Srisha Rao M V	IISc	IISc	12 Weeks
noc22-ae06	Aerospace engineering	Introduction to Launch Vehicle Analysis and Design	Prof. Ashok Joshi	IITB	IITB	8 Weeks
noc22-ae07	Aerospace engineering	Lighter than Air Systems	Prof. Rajkumar S. Pant	IITB	IITB	12 Weeks
noc22-ae08	Aerospace Engineering	Satellite Attitude Dynamics and Control	Prof. Manoranjan Sinha	IITKGP	IITKGP	12 Weeks
noc22-ae09	Aerodynamics, AerospaceEngineering	Fundamentals of Theoretical and Experimental Aerodynamics	Prof. Arnab Roy	IITKGP	IITKGP	12 Weeks
noc22-ag01	Agriculture Engineering	Soil And Water Conservation Engineering	Prof. Rajendra Singh	IITKGP	IITKGP	12 Weeks
noc22-ag02	Agriculture Engineering	Soil Science and Technology	Prof. Somsubhra Chakraborty	IITKGP	IITKGP	12 Weeks
noc22-ag03	Agriculture Engineering	Novel Technologies for Food Processing and Shelf- Life Extension	Prof. Hari Niwas Mishra	IITKGP	IITKGP	12 Weeks
noc22-ag04	Agriculture Engineering	Instrumentation and Process Control in Food Industry	Prof. Ashis Kumar Datta	IITKGP	IITKGP	8 Weeks

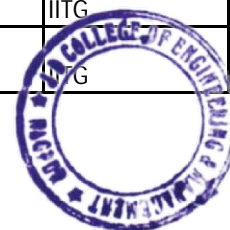


Principal
 J D College of Engineering & Management
 Khandala, Katol Road
 Nagpur-441301

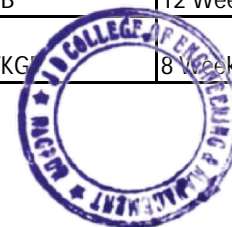
noc22-ag05	Agriculture Engineering	Machine Learning For Soil And Crop Management	Prof. Somsubhra Chakraborty	IITKGP	IITKGP	12 Weeks
noc22-me66	Applied Mechanics	Engineering Mechanics - Statics and Dynamics	Prof. Anubhab Roy	IITM	IITM	8 Weeks
noc22-me67	Applied Mechanics	Experimental Stress Analysis	Prof. K. Ramesh	IITM	IITM	12 Weeks
noc22-ar01	Architecture and Planning	Structure, Form, and Architecture: The Synergy	Prof. Shubhajit Sadhukhan	IITR	IITR	8 Weeks
noc22-ar02	Architecture and Planning	User Interface Design	Prof. Saptarshi Kolay	IITR	IITR	4 Weeks
noc22-ar03	Architecture and Planning	Introduction to History of Architecture in India	Prof. Pushkar Sohoni	IISER Pune	IITM	4 Weeks
noc22-ar04	Architecture and Planning	Engineering/Architectural Graphics – part II – Isometric and Axonometric Drawings	Prof. Avlokita Agrawal	IITR	IITR	4 Weeks
noc22-ar05	Architecture and Planning	Disaster Recovery and Build Back Better	Prof. Ram Sateesh Pasupuleti Prof. Subhojyothi Samaddar	IITR	IITR	8 Weeks
noc22-ar06	Architecture and Planning	Engineering/Architectural Graphics - part I - Orthographic projection	Prof. Avlokita Agrawal	IITR	IITR	8 Weeks
noc22-ar07	Architecture and Planning	Environmental Impact Assessment	Prof. Harshit Sosan Lakra	IITR	IITR	12 Weeks
noc22-bt01	Biological science	Maternal Infant Young Child Nutrition	Prof. Rupal Dalal	IITB	IITB	12 Weeks
noc22-bt03	Biotechnology and Bioengineering	Computational Systems Biology	Prof. Karthik Raman	IITM	IITM	12 Weeks
noc22-bt04	Biotechnology and Bioengineering	Material and Energy Balances	Prof. Vignesh Muthuvijayan	IITM	IITM	12 Weeks
noc22-bt05	Biotechnology and Bioengineering	Optical Spectroscopy and Microscopy : Fundamentals of optical measurements and instrumentation	Prof. Balaji Jayaprakash	IISc		12 Weeks



noc22-bt06	Biotechnology and Bioengineering	Introduction to Professional Scientific Communication	Prof. S. Ganesh	IITK	IITK	4 Weeks
noc22-bt07	Biotechnology and Bioengineering	Human Molecular Genetics	Prof. S. Ganesh	IITK	IITK	4 Weeks
noc22-bt08	Biotechnology and Bioengineering	Introductory Mathematical Methods for Biologists	Prof. Ranjit Padinhateeri	IITB	IITB	8 Weeks
noc22-bt09	Biotechnology and Bioengineering	Aspects Of Biochemical Engineering	Prof. Debabrata Das	IITKGP	IITKGP	12 Weeks
noc22-bt10	Biotechnology and Bioengineering	Bioengineering: An Interface with Biology and Medicine	Prof. Sanjeeva Srivastava	IITB	IITB	8 Weeks
noc22-bt11	Biotechnology and Bioengineering	Interactomics : Basics & Applications	Prof. Sanjeeva Srivastava	IITB	IITB	12 Weeks
noc22-bt12	Biotechnology and Bioengineering	Bioinformatics: Algorithms and Applications	Prof. Michael Gromiha	IITM	IITM	12 Weeks
noc22-bt13	Biotechnology and Bioengineering	Biostatistics and Design of experiments	Prof. Mukesh Doble	IITM	IITM	8 Weeks
noc22-bt14	Biotechnology and Bioengineering	Demystifying The Brain	Prof. Srinivas Chakravarthy	IITM	IITM	4 Weeks
noc22-bt15	Biotechnology and Bioengineering	Medical Biomaterials	Prof. Mukesh Doble	IITM	IITM	8 Weeks
noc22-bt16	Biotechnology and Bioengineering	Thermodynamics for Biological Systems : Classical and Statistical Aspect	Prof. G. K. Suraishkumar Prof. Sanjib Senapati	IITM	IITM	12 Weeks
noc22-bt17	Biotechnology and Bioengineering	Basics of Biology	Prof. Vishal Trivedi	IITG	IITG	12 Weeks
noc22-bt18	Biotechnology and Bioengineering	Cell Biology: Cellular organization, division and processes	Prof. Shikha Laloraya	IISc	IISc	8 Weeks
noc22-bt19	Biotechnology and Bioengineering	Bioreactor Design and Analysis	Prof. Smita Srivastava	IITM	IITM	8 Weeks
noc22-bt20	Biotechnology and Bioengineering	Data Analysis for Biologists	Prof. Biplab Bose	IITG	IITG	8 Weeks
noc22-bt21	Biotechnology and Bioengineering	Biointerface Engineering	Prof. Lalit M. Pandey	IITG	IITG	8 Weeks



noc22-bt22	Biotechnology and Bioengineering	Biochemistry - IITM	Prof. Subramaniam K	IITM	IITM	12 Weeks
noc22-bt24	Biotechnology and Bioengineering	Forests And Their Management	Prof. Ankur Awadhiya	IITK	IITK	12 Weeks
noc22-bt25	Biotechnology and Bioengineering	Nanotechnology In Agriculture	Prof. Mainak Das	IITK	IITK	8 Weeks
noc22-bt26	Biotechnology and Bioengineering	Bioelectrochemistry	Prof. Mainak Das	IITK	IITK	4 Weeks
noc22-bt27	Biotechnology and Bioengineering	Plant Developmental Biology	Prof. Shri RamYadav	IITR	IITR	4 Weeks
noc22-bt28	Biotechnology and Bioengineering	Structural Biology	Prof. Saugata Hazra	IITR	IITR	12 Weeks
noc22-bt29	Biotechnology and Bioengineering	Metabolic Engineering	Prof. Pinaki Sar Prof. Amit Ghosh	IITKGP	IITKGP	8 Weeks
noc22-bt31	Biotechnology and Bioengineering	Conservation Economics	Prof. Ankur Awadhiya	IITK	IITK	12 Weeks
noc22-ch01	Chemical Engineering	Engineering Thermodynamics	Prof. Jayant K. Singh	IITK	IITK	8 Weeks
noc22-ch02	Chemical Engineering	Basic Principles and Calculations in Chemical Engineering	Prof. Subrata Kumar Majumdar	IITG	IITG	12 Weeks
noc22-ch03	Chemical Engineering	Fluid Flow Operations	Prof. Subrata Kumar Majumdar	IITG	IITG	12 Weeks
noc22-ch04	Chemical Engineering	Computer Aided Applied Single Objective Optimization	Prof. Prakash Kotecha	IITG	IITG	12 Weeks
noc22-ch05	Chemical Engineering	Waste to Energy Conversion	Prof. P. Mondal	IITR	IITR	8 Weeks
noc22-ch06	Chemical Engineering	Transport phenomena	Prof. Sunando DasGupta	IITKGP	IITKGP	12 Weeks
noc22-ch07	Chemical Engineering	Transport Processes I: Heat and Mass Transfer	Prof. V. Kumaran	IISc	IISc	12 Weeks
noc22-ch08	Chemical Engineering	Introduction To Process Modeling In The Membrane Separation Process	Prof. Sirshendu De	IITKGP	IITKGP	4 Weeks
noc22-ch09	Chemical Engineering	Heat Transfer	Prof. Ganesh Viswanathan	IITB	IITB	12 Weeks
noc22-ch11	Chemical Engineering	Soft Nano Technology	Prof. Rabibrata Mukherjee	IITKGP	IITKGP	8 Weeks

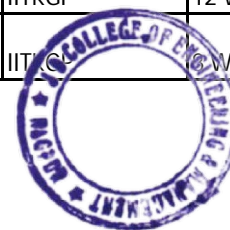


noc22-ch13	Chemical Engineering	Advanced Thermodynamics	Prof. Nanda Kishore	IITG	IITG	12 Weeks
noc22-ch14	Chemical Engineering	Membrane Technology	Prof. Kaustubha Mohanty	IITG	IITG	12 Weeks
noc22-ch15	Chemical Engineering	Optimization in Chemical Engineering	Prof. Debasis Sarkar	IITKGP	IITKGP	12 Weeks
noc22-ch16	Chemical Engineering	Chemical Engineering Thermodynamics	Prof. Sasidhar Gumma	IIT Tirupati	IITM	12 Weeks
noc22-ch17	Chemical Engineering	Electrochemical Technology in Pollution Control	Prof. J. R. Mudakavi	IISc	IISc	8 Weeks
noc22-ch18	Chemical Engineering	Multiphase Flows	Prof. Rajesh Kumar Upadhyay	IIT(BHU) Varanasi	IITM	8 Weeks
noc22-ch19	Chemical Engineering	Applied Time-Series Analysis	Prof. Arun K Tangirala	IITM	IITM	12 Weeks
noc22-ch20	Chemical Engineering	Computational Fluid Dynamics	Prof. Sreenivas Jayanti	IITM	IITM	12 Weeks
noc22-ch21	Chemical Engineering	Process Control - Design, Analysis and Assessment	Prof. Ragunathan Rengasamy	IITM	IITM	12 Weeks
noc22-ch22	Chemical Engineering	Chemical Engineering Thermodynamics - IITKGP	Prof. Gargi Das	IITKGP	IITKGP	8 Weeks + 4 Weeks(New)
noc22-ch23	Chemical Engineering	Physical and Electrochemical Characterizations in Chemical Engineering	Prof. Tamal Banerjee	IITG	IITG	8 Weeks
noc22-ch24	Chemical Engineering	Chemical Process Utilities	Prof. Shishir Sinha	IITR	IITR	12 Weeks
noc22-ch25	Chemical Engineering	Physico-chemical processes for wastewater treatment	Prof. Vimal Chandra Srivastava	IITR	IITR	12 Weeks
noc22-ch26	Chemical Engineering, Civil, Mechanical	Fluid Mechanics and Its Applications	Prof. Vijay Gupta	IITD	IITD	12 Weeks
noc22-ch27	Chemical Engineering	Renewable Energy Engineering: Solar, Wind and Biomass Energy Systems	Prof. Vaibhav Vasant Goud Prof. R. Anandalakshmi	IITG		8 Weeks + 4 Weeks(New)

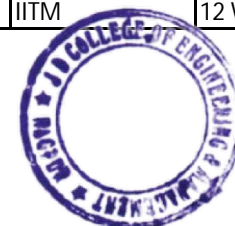



Principal
 J D College of Engineering & Management
 Khandala, Katol Road
 Nagpur-441501

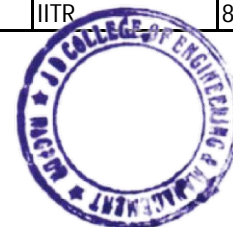
noc22-ch28	Chemical Engineering	Biomass Conversion and Biorefinery	Prof. Kaustubha Mohanty	IITG	IITG	12 Weeks
noc22-ch29	Chemical Engineering	Process Equipment Design	Prof. Shabina Khanam	IITR	IITR	12 Weeks
noc22-ch30	Chemical Engineering	Advanced Thermodynamics and Molecular Simulations	Prof. Prateek Kumar Jha	IITR	IITR	12 Weeks
noc22-ch31	Chemical Engineering	Unit Operations of Particulate Matter	Prof. Shabina Khanam	IITR	IITR	4 Weeks
noc22-ch32	Chemical Engineering	Mass Momentum and Energy Balances in Engineering Analysis	Prof. Pavitra Sandilya	IITKGP	IITKGP	8 Weeks
noc22-ch33	Chemical Engineering	Environmental Quality Monitoring & Analysis	Prof. Ravi Krishna R	IITM	IITM	12 Weeks
noc22-ch34	Chemical Engineering	Polymer Reaction Engineering	Prof. Shishir Sinha	IITR	IITR	12 Weeks
noc22-ch35	Chemical Engineering	Chemical Process Instrumentation	Prof. Debasis Sarkar	IITKGP	IITKGP	12 Weeks
noc22-ch37	Chemical Engineering	Aspen Plus® simulation software - a basic course for beginners	Prof. Prabirkumar Saha	IITG	IITG	12 Weeks
noc22-cy01	Chemistry	Organometallic Chemistry	Prof. Debabrata Maiti	IITB	IITB	4 Weeks
noc22-cy02	Chemistry	Basics in Inorganic Chemistry	Prof. Debabrata Maiti	IITB	IITB	4 Weeks
noc22-cy03	Chemistry	Essentials of Biomolecules : Nucleic Acids and Peptides	Prof. Lal Mohan Kundu	IITG	IITG	12 Weeks
noc22-cy04	Chemistry	Transition Metal Organometallics in Catalysis and Biology	Prof. P. Ghosh	IITB	IITB	12 Weeks
noc22-cy05	Chemistry	Advanced Transition Metal Organometallic Chemistry	Prof. P. Ghosh	IITB	IITB	12 Weeks
noc22-cy06	Chemistry	Biochemistry	Prof. Swagata Dasgupta	IITKGP	IITKGP	12 Weeks
noc22-cy07	Chemistry	Approximate Methods in Quantum Chemistry	Prof. Sabyashachi Mishra	IITKGP	IITKGP	12 Weeks



noc22-cy08	Chemistry	Structure, Stereochemistry and Reactivity of Organic Compounds and Intermediates: A Problem-solving Approach	Prof. Amit Basak	IITKGP	IITKGP	8 Weeks
noc22-cy09	Chemistry	Ultrafast laser spectroscopy	Prof. Anindya Datta	IITB	IITB	12 Weeks
noc22-cy10	Chemistry	Molecular Spectroscopy: A Physical Chemist's perspective	Prof. Anindya Datta	IITB	IITB	12 Weeks
noc22-cy11	Chemistry	Chemistry Of Main Group Elements	Prof. M.S. Balakrishna	IITB	IITB	12 Weeks
noc22-cy12	Chemistry	Bioinorganic Chemistry	Prof. S. P. Rath	IITK	IITK	4 Weeks
noc22-cy13	Chemistry	Industrial Inorganic Chemistry	Prof. Debashis Ray	IITKGP	IITKGP	12 Weeks
noc22-cy14	Chemistry	Advanced Chemical Thermodynamics and Kinetics	Prof. Arijit Kumar De	IISER Mohali	IITM	12 Weeks
noc22-cy16	Chemistry	Electrochemical impedance Spectroscopy	Prof. S. Ramanathan	IITM	IITM	12 Weeks
noc22-cy18	Chemistry	Symmetry, Stereochemistry and Applications	Prof. Angshuman Roy Choudhury	IISER Mohali	IITM	12 Weeks
noc22-cy19	Chemistry	Symmetry and Group Theory	Prof. Jeetender Chugh	IISER PUNE	IITM	12 Weeks
noc22-cy20	Chemistry	Co-Ordination Chemistry (Chemistry Of Transition Elements)	Prof. Debashis Ray	IITKGP	IITKGP	12 Weeks
noc22-cy21	Chemistry	Basic thermodynamics: Classical and Statistical Approaches	Prof. Arnab Mukherjee	IISER Pune	IITM	12 Weeks
noc22-cy23	Chemistry	Fundamentals of Spectroscopy	Prof. Sayan Bagchi Prof. Anirban Hazra	NCL Pune, IISER Pune	IITM	12 Weeks
noc22-cy24	Chemistry	Medicinal Chemistry	Prof. Harinath Chakrapani	IISER Pune	IITM	12 Weeks



noc22-cy25	Chemistry	Pericyclic Reactions and Organic Photochemistry	Prof. Sankararaman	IITM	IITM	8 Weeks
noc22-cy27	Chemistry	Essentials of Oxidation, Reduction and C-C Bond Formation. Application in Organic Synthesis	Prof. Yashwant D Vankar	IITB	IITB	12 Weeks
noc22-cy28	Chemistry	Chemical Applications Of Symmetry And Group Theory	Prof. Manabendra Chandra	IITK	IITK	8 Weeks
noc22-cy29	Chemistry	Basics Of Fluorescence Spectroscopy	Prof. Pratik Sen	IITK	IITK	8 Weeks
noc22-cy30	Chemistry	A Study Guide in Organic Retrosynthesis: Problem Solving Approach	Prof. Samik Nanda	IITKGP	IITKGP	12 Weeks
noc22-cy31	Chemistry	Introduction To Molecular Thermodynamics	Prof. Srabani Taraphder	IITKGP	IITKGP	8 Weeks
noc22-cy32	Chemistry	Experimental Biochemistry	Prof. Swagata Dasgupta Prof. Soumya De	IITKGP	IITKGP	12 Weeks
noc22-cy33	Chemistry, Physics	Time dependent Quantum chemistry	Prof. Atanu Bhattacharya	IISc	IISc	12 Weeks
noc22-cy34	Chemistry	Reactive Intermediates Carbene and Nitrene	Prof. Rajarshi Samanta	IITKGP	IITKGP	4 Weeks
noc22-cy36	Chemistry	Chemistry: Atomic Structure and Chemical Bonding	Prof. K. Mangala Sundar	IITM	IITM	12 Weeks
noc22-ce01	Civil Engineering	Geotechnical Engineering II Foundation Engineering	Prof. Dilip Kumar Baidya	IITKGP	IITKGP	12 Weeks
noc22-ce02	Civil Engineering	Geology and Soil Mechanics	Prof. Priyanka Ghosh	IITK	IITK	12 Weeks
noc22-ce03	Civil Engineering	Geotechnical Engineering - 1	Prof. D. N. Singh	IITB	IITB	12 Weeks
noc22-ce04	Civil Engineering	Geomorphology	Prof. Pitambar Pati	IITR	IITR	12 Weeks
noc22-ce05	Civil Engineering	Digital Land Surveying And Mapping (DLS&M)	Prof. Jayanta Kumar Ghosh	IITR	IITR	8 Weeks




noc22-ce06	Civil Engineering	Hydraulic Engineering	Prof. Mohammad Saud Afzal	IITKGP	IITKGP	12 Weeks
noc22-ce07	Civil Engineering	Water Supply Engineering	Prof. Manoj Kumar Tiwari	IITKGP	IITKGP	12 Weeks
noc22-ce08	Civil Engineering	Introduction to Accounting and Finance for Civil Engineers	Prof. K. N. Jha Prof. Sudhir Misra	IITK	IITK	8 Weeks
noc22-ce09	Civil Engineering	Development and Applications of Special Concretes	Prof. Sudhir Misra	IITK	IITK	8 Weeks
noc22-ce10	Civil Engineering	Remote Sensing Essentials	Prof. Arun K. Saraf	IITR	IITR	12 Weeks
noc22-ce11	Civil Engineering	Geosynthetics And Reinforced Soil Structures	Prof. K.Rajagopal	IITM	IITM	12 Weeks
noc22-ce12	Civil Engineering	Maintenance and Repair of Concrete Structures	Prof. Radhakrishna G. Pillai	IITM	IITM	12 Weeks
noc22-ce13	Civil Engineering	Modern Construction Materials	Prof. Ravindra Gettu	IITM	IITM	12 Weeks
noc22-ce14	Civil Engineering	Structural Dynamics	Prof. Ramancharala Pradeep Kumar	IITH	IITM	12 Weeks
noc22-ce15	Civil Engineering	Applied Environmental Microbiology	Prof. Gargi Singh	IITR	IITR	12 Weeks
noc22-ce16	Civil Engineering	Environmental Remediation of Contaminated Sites	Prof. Bhanu Prakash Vellanki	IITR	IITR	12 Weeks
noc22-ce17	Civil Engineering	Electronic Waste Management - Issues And Challenges	Prof. Brajesh Kumar Dubey	IITKGP	IITKGP	4 Weeks
noc22-ce18	Civil Engineering	Advanced Topics in the Science and Technology of Concrete	Prof. Ravindra Gettu Prof. Manu Santhanam	IITM	IITM	4 Weeks
noc22-ce19	Civil Engineering	Engineering Hydrology	Prof. Sreeja Pekkatt	IITG	IITG	12 Weeks
noc22-ce20	Civil Engineering	Retrofitting and Rehabilitation of Civil Infrastructure	Prof. Swati Maitra Prof. Sriman Kumar Bhattacharyya	IITKGP	IITKGP	12 Weeks



noc22-ce21	Civil Engineering	Expansive Soil	Prof. Anil Kumar Mishra	IITG	IITG	8 Weeks
noc22-ce22	Civil Engineering	Air pollution and Control	Prof. Bhola Ram Gurjar	IITR	IITR	12 Weeks
noc22-ce23	Civil Engineering	Microwave Remote Sensing in Hydrology	Prof. J. Indu	IITB	IITB	12 Weeks
noc22-ce24	Civil Engineering	Remote Sensing: Principles and Applications	Prof. Eswar Rajasekaran	IITB	IITB	12 Weeks
noc22-ce25	Civil Engineering	Advanced Soil Mechanics	Prof. Sreedeeep S	IITG	IITG	12 Weeks
noc22-ce26	Civil Engineering	Geographic Information Systems	Prof. Arun K. Saraf	IITR	IITR	12 Weeks
noc22-ce27	Civil Engineering	Water and waste water treatment	Prof. Bhanu Prakash Vellanki	IITR	IITR	12 Weeks
noc22-ce28	Civil Engineering	Rock Engineering	Prof. Priti Maheshwari	IITR	IITR	12 Weeks
noc22-ce29	Civil Engineering	Structural Analysis-I	Prof. Amit Shaw	IITKGP	IITKGP	12 Weeks
noc22-ce30	Mining Engineering	Introduction To Mineral Processing	Prof. Arun Kumar Majumder	IITKGP	IITKGP	12 Weeks
noc22-ce31	Civil Engineering	Probability Methods in Civil Engineering	Prof. Rajib Maity	IITKGP	IITKGP	12 Weeks
noc22-ce32	Civil Engineering	Advanced Foundation Engineering	Prof. Koushik Deb	IITKGP	IITKGP	12 Weeks
noc22-ce34	Civil Engineering	Urban Transportation Systems Planning	Prof. Bhargab Maitra	IITKGP	IITKGP	12 Weeks
noc22-ce35	Civil Engineering	Mineral Resources: Geology Exploration Economics And Environment	Prof. M. K. Panigrahi	IITKGP	IITKGP	12 Weeks
noc22-ce36	Civil Engineering	Soil Structure Interaction	Prof. Koushik Deb	IITKGP	IITKGP	12 Weeks
noc22-ce37	Civil Engineering	Surface Water Hydrology	Prof. Rajib Maity	IITKGP	IITKGP	12 Weeks
noc22-ce38	Civil Engineering	Scheduling Techniques in Projects	Prof. J. Uma Maheswari	IITD	IITD	4 Weeks
noc22-ce39	Civil Engineering	Safety in Construction	Prof. J. Uma Maheswari	IITD	IITD	8 Weeks



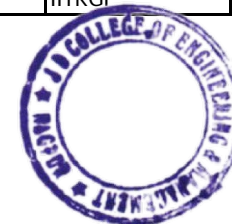

Principal
 J D College of Engineering & Management
 Khandala, Katol Road
 Nagpur-441301

noc22-ce40	Civil Engineering	Basic construction materials	Prof. Manu Santhanam Prof. Radhakrishna G. Pillai	IITM	IITM	12 Weeks
noc22-ce41	Civil Engineering	Traffic Engineering	Prof. Bhargab Maitra	IITKGP	IITKGP	12 Weeks
noc22-ce42	Civil Engineering	Introduction to Civil Engineering Profession	Prof. Ravindra Gettu Prof. Subhadeep Banerjee	IITM	IITM	8 Weeks
noc22-ce43	Civil Engineering	Natural Hazards	Prof. Javed N. Malik	IITK	IITK	8 Weeks
noc22-ce44	Civil Engineering, Rural Development	Groundwater hydrology and management	Prof. Pennan Chinnasamy	IITB	IITB	12 Weeks
noc22-ce45	Civil Engineering, Rural Development	Rural Water Resources Management	Prof. Pennan Chinnasamy	IITB	IITB	12 Weeks
noc22-ce46	Civil Engineering	Mechanics of Solids	Prof. Priyanka Ghosh	IITK	IITK	12 Weeks
noc22-ce47	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	IITM	12 Weeks
noc22-ce49	Civil Engineering	Introduction to Lean Construction (Module 1 - Lean Basics)	Prof. Koshy Varghese Prof. N Raghavan	IITM	IITM	4 Weeks
noc22-ce50	Civil Engineering	Concrete Technology	Prof. B. Bhattacharjee	IITD	IITD	12 Weeks
noc22-cs01	Computer Science and Engineering	Fundamental Algorithms: Design and Analysis	Prof. Sourav Mukhopadhyay	IITKGP	IITKGP	4 Weeks
noc22-cs02	Computer Science and Engineering	Artificial Intelligence: Knowledge Representation And Reasoning	Prof. Deepak Khemani	IITM		12 Weeks

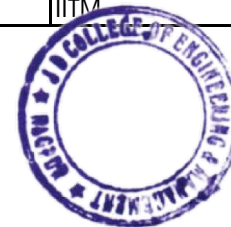



Principal
 J D College of Engineering & Management
 Khandala, Katol Road
 Nagpur-441501

noc22-cs03	Computer Science and Engineering	Foundations of Cryptography	Prof. Ashish Choudhury	IIT Bangalore	IISc	12 Weeks
noc22-cs04	Computer Science and Engineering	Discrete Mathematics - IIITB	Prof. Ashish Choudhury	IIT Bangalore	IISc	12 Weeks
noc22-cs06	Computer Science and Engineering	AI:Constraint Satisfaction	Prof. Deepak Khemani	IITM	IITM	8 Weeks
noc22-cs08	Computer Science and Engineering	Data Analytics with Python	Prof. A. Ramesh	IITR	IITR	12 Weeks
noc22-cs09	Computer Science and Engineering	GPU Architectures and Programming	Prof. Soumyajit Dey	IITKGP	IITKGP	12 Weeks
noc22-cs10	Computer Science and Engineering	Advanced Computer Architecture	Prof. John Jose	IITG	IITG	8 Weeks
noc22-cs11	Computer Science and Engineering	Data Mining	Prof. Pabitra Mitra	IITKGP	IITKGP	8 Weeks
noc22-cs12	Computer Science and Engineering	Software Testing	Prof. Rajib Mall	IITKGP	IITKGP	4 Weeks
noc22-cs13	Computer Science and Engineering	Ethical Hacking	Prof. Indranil Sengupta	IITKGP	IITKGP	12 Weeks
noc22-cs14	Computer Science and Engineering	Compiler Design	Prof. Santanu Chattopadhyay	IITKGP	IITKGP	12 Weeks
noc22-cs15	Computer Science and Engineering	Computer Architecture	Prof. Smruti R.Sarangi	IITD	IITD	12 Weeks
noc22-cs16	Computer Science and Engineering	User-centric Computing for Human-Computer Interaction	Prof. Samit Bhattacharya	IITG	IITG	8 Weeks
noc22-cs17	Computer Science and Engineering	Advanced Graph Theory	Prof. Rajiv Misra	IIT Patna	IITK	8 Weeks
noc22-cs18	Computer Science and Engineering	Cloud Computing and Distributed Systems	Prof. Rajiv Misra	IIT Patna	IITK	8 Weeks
noc22-cs19	Computer Science and Engineering	Computer Networks and Internet Protocol	Prof. Soumya Kanti Ghosh Prof. Sandip Chakraborty	IITKGP	IITKGP	12 Weeks
noc22-cs20	Computer Science and Engineering	Cloud computing	Prof. Soumya Kanti Ghosh	IITKGP	IITKGP	8 Weeks + 4 Weeks(New)
noc22-cs21	Computer Science and Engineering	Introduction to parallel programming with OpenMP and MPI	Prof. Yogish Sabharwal	IITD	IITD	4 Weeks + 4 Weeks(New)
noc22-cs22	Computer Science and Engineering	Deep Learning	Prof. Prabir Kumar Biswas	IITKGP	IITKGP	12 Weeks

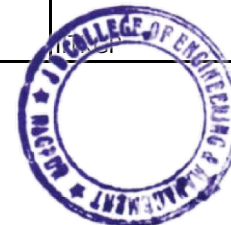


noc22-cs23	Computer Science and Engineering	Information Security - 5 - Secure Systems Engineering	Prof. Chester Robeiro	IITM	IITM	8 Weeks
noc22-cs24	Computer Science and Engineering	Machine Learning, ML	Prof. Carl Gustaf Jansson Prof. Henrik Boström Prof. Fredrik Kilander	KTH Royal Institute of Technology, Sweden	IITM	8 Weeks
noc22-cs25	Computer Science and Engineering	Model Checking	Prof. Srivathsan.B	CMI	IITM	12 Weeks
noc22-cs26	Computer Science and Engineering	Programming, Data Structures And Algorithms Using Python	Prof. Madhavan Mukund	CMI	IITM	8 Weeks
noc22-cs27	Computer Science and Engineering	Design and analysis of algorithms	Prof. Madhavan Mukund	CMI	IITM	8 Weeks
noc22-cs28	Computer Science and Engineering	Data Science for Engineers	Prof. Rangunathan Rengasamy Prof. Shankar Narasimhan	IITM	IITM	8 Weeks
noc22-cs29	Computer Science and Engineering	Introduction to Machine Learning	Prof. Balaraman Ravindran	IITM	IITM	12 Weeks
noc22-cs30	Computer Science and Engineering	Social Networks	Prof. Sudarshan Iyengar Prof. Yayati Gupta	IIT Ropar	IITM	12 Weeks
noc22-cs31	Computer Science and Engineering	The Joy of Computing using Python	Prof. Sudarshan Iyengar	IIT Ropar	IITM	12 Weeks
noc22-cs32	Computer Science and Engineering	Python for Data Science	Prof. Rangunathan Rengasamy	IITM	IITM	4 Weeks
noc22-cs33	Computer Science and Engineering	Discrete Mathematics	Prof. Sudarshan Iyengar Prof. Prabuchandran K.J	IIT Ropar	IITM	12 Weeks
noc22-cs34	Computer Science and Engineering	Reinforcement Learning	Prof. Balaraman Ravindran	IITM	IITM	12 Weeks




Principal
J D College of Engineering & Management
 Khandala, Katol Road
 Nagpur-441301

noc22-cs35	Computer Science and Engineering	Deep Learning - IIT Ropar	Prof. Sudarshan Iyengar Prof. Sanatan Sukhija	IIT Ropar	IITM	12 Weeks
noc22-cs36	Computer Science and Engineering	Systems and Usable Security	Prof. Neminath Hubballi	IIT Indore	IITM	4 Weeks
noc22-cs37	Computer Science and Engineering	Online Privacy	Prof. Ponnurangam Kumaraguru	IIITH	IITM	12 Weeks
noc22-cs38	Computer Science and Engineering	Design and Engineering of Computer Systems	Prof. Mythili Vutukuru	IITB	IITB	8 Weeks
noc22-cs39	Computer Science and Engineering	Software Conceptual Design	Prof. Sridhar Iyer Prof. Prajish Prasad Prof. T. G. Lakshmi	IITB	IITB	4 Weeks
noc22-cs40	Computer Science and Engineering	Introduction To Programming In C	Prof. Satyadev Nandakumar	IITK	IITK	8 Weeks
noc22-cs41	Computer Science and Engineering	Computational Geometry	Prof. Amit Kumar	IITD	IITD	12 Weeks
noc22-cs42	Computer Science and Engineering	An Introduction to Programming Through C++	Prof. Abhiram Ranade	IITB	IITB	12 Weeks
noc22-cs43	Computer Science and Engineering	Programming in Modern C++	Prof. Partha Pratim Das	IITKGP	IITKGP	12 Weeks
noc22-cs44	Computer Science and Engineering	Blockchain and its Applications	Prof. Sandip Chakraborty Prof. Shamik Sural	IITKGP	IITKGP	12 Weeks
noc22-cs45	Computer Science and Engineering	Problem Solving Through Programming In C	Prof. Anupam Basu	IITKGP	IITKGP	12 Weeks
noc22-cs46	Computer Science and Engineering	Embedded Systems Design	Prof. Anupam Basu	IITKGP	IITKGP	12 Weeks
noc22-cs47	Computer Science and Engineering	Programming In Java	Prof. Debasis Samanta	IITKGP	IITKGP	12 Weeks
noc22-cs48	Computer Science and Engineering	Hardware Security	Prof. Debdeep Mukhopadhyay	IITKGP	IITKGP	12 Weeks
noc22-cs49	Computer Science and Engineering	Discrete Structures	Prof. Dipanwita Roychowdhury	IITKGP	IITKGP	12 Weeks
noc22-cs50	Computer Science and Engineering	VLSI Physical Design	Prof. Indranil Sengupta	IITKGP		12 Weeks



noc22-cs51	Computer Science and Engineering	Data Base Management System	Prof. Partha Pratim Das Prof. Samiran Chattopadhyay	IITKGP	IITKGP	8 Weeks
noc22-cs52	Computer Science and Engineering	Introduction To Industry 4.0 And Industrial Internet Of Things	Prof. Sudip Misra	IITKGP	IITKGP	12 Weeks
noc22-cs53	Computer Science and Engineering	Introduction To Internet Of Things	Prof. Sudip Misra	IITKGP	IITKGP	12 Weeks
noc22-cs54	Computer Science and Engineering	Introduction To Soft Computing	Prof. Debasis Samanta	IITKGP	IITKGP	8 Weeks
noc22-cs55	Computer Science and Engineering	Object Oriented System Development Using UML, Java And Patterns	Prof. Rajib Mall	IITKGP	IITKGP	12 Weeks
noc22-cs56	Computer Science and Engineering	An Introduction to Artificial Intelligence	Prof. Mausam	IITD	IITD	12 Weeks
noc22-cs57	Computer Science and Engineering	Introduction to Database Systems	Prof. Sreenivasa Kumar	IITM	IITM	12 Weeks
noc22-cs58	Computer Science and Engineering	Introduction to Machine Learning (Tamil)	Prof. Arun Rajkumar	IITM	IITM	4 Weeks
noc22-cs59	Computer Science and Engineering	Getting Started with Competitive Programming	Prof. Neeldhara Misra	IIT Gandhinagar	IITM	12 Weeks
noc22-cs60	Computer Science and Engineering	Arithmetic Circuit Complexity	Prof. Nitin Saxena	IITK	IITK	12 Weeks
noc22-de01	Design Engineering	Understanding Design	Prof. Nina Sabnani	IITB	IITB	4 Weeks
noc22-de02	Design Engineering	Fundamentals of Automotive Systems	Prof. C. S. Shankar Ram	IITM	IITM	12 Weeks
noc22-de03	Design Engineering	Usability Engineering	Prof. Debayan Dhar	IITG	IITG	12 Weeks
noc22-de04	Design Engineering	Innovation by Design	Prof. B. K. Chakravarthy	IITB	IITB	4 Weeks
noc22-de05	Design Engineering	Design, Technology and Innovation	Prof. B. K. Chakravarthy	IITB	IITB	8 Weeks
noc22-de06	Design Engineering	Strategies for Sustainable Design	Prof. Shiva Ji	IIT Hyderabad	IITM	12 Weeks
noc22-de07	Design Engineering	Understanding Ethnography	Prof. Nina Sabnani	IITB	IITB	8 Weeks

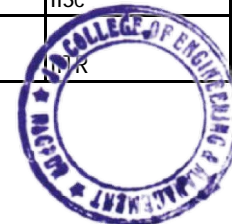



Principal
 J D College of Engineering & Management
 Khandala, Katol Road
 Nagpur-441501

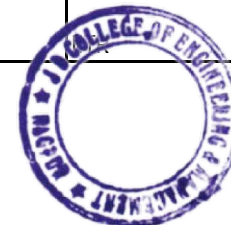
noc22-de08	Design Engineering	Understanding Incubation and Entrepreneurship	Prof. B.K. Chakravarthy	IITB	IITB	12 weeks
noc22-ce48	Earth Sciences	Geomorphic Processes: Landforms And Landscapes	Prof. Javed N. Malik	IITK	IITK	8 Weeks
noc22-hs66	Economics	Introduction to Econometrics	Prof. Sabuj Kumar Mandal	IITM	IITM	12 Weeks
noc22-hs67	Economics	Microfoundations of Macroeconomics	Prof. Wasim Ahmad	IITK	IITK	8 Weeks
noc22-ee40	Electrical and Electronics Engineering	Electromagnetic Waves in Guided and Wireless Media	Prof. Pradeep Kumar K	IITK	IITK	8 Weeks
noc22-ee60	Electrical and Electronics Engineering	Statistical Signal Processing	Prof. Prabin Kumar Bora	IITG	IITG	12 Weeks
noc22-ee03	Electrical and Electronics Engineering	Fundamental of Power Electronics	Prof. L.Umanand	IISc	IISc	12 Weeks
noc22-ee04	Electrical and Electronics Engineering	Principles of Signals and Systems	Prof. Aditya K. Jagannatham	IITK	IITK	12 Weeks
noc22-ee05	Electrical and Electronics Engineering	Principles of Communication Systems - I	Prof. Aditya K. Jagannatham	IITK	IITK	12 Weeks
noc22-ee06	Electrical and Electronics Engineering	Electrical Machines - II	Prof. Tapas Kumar Bhattacharya	IITKGP	IITKGP	12 Weeks
noc22-ee07	Electrical and Electronics Engineering	Network Analysis	Prof. Tapas Kumar Bhattacharya	IITKGP	IITKGP	12 Weeks
noc22-ee08	Electrical and Electronics Engineering	CMOS Digital VLSI Design	Prof. Sudeb Dasgupta	IITR	IITR	8 Weeks
noc22-ee09	Electrical and Electronics Engineering	Microprocessors and Interfacing	Prof. Shaik Rafi Ahamed	IITG	IITG	12 Weeks
noc22-ee10	Electrical and Electronics Engineering	Principles of Digital Communications	Prof. Abhishek Dixit	IITD	IITD	12 Weeks
noc22-ee11	Electrical and Electronics Engineering	Analog Electronic Circuits	Prof. Pradip Mandal	IITKGP	IITKGP	12 Weeks
noc22-ee12	Electrical and Electronics Engineering	Microprocessors And Microcontrollers	Prof. Santanu Chattopadhyay	IITKGP	IITKGP	12 Weeks
noc22-ee13	Electrical and Electronics Engineering	Fundamentals of semiconductor devices	Prof. Digbijoy N. Nath	IISc		12 Weeks



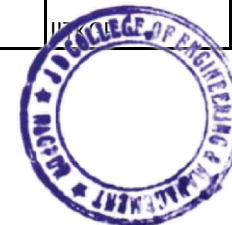
noc22-ee14	Electrical and Electronics Engineering	Microwave Integrated Circuits	Prof. Jayanta Mukherjee	IITB	IITB	8 Weeks
noc22-ee15	Electrical and Electronics Engineering	Analog Circuits	Prof. Jayanta Mukherjee	IITB	IITB	8 Weeks
noc22-ee16	Electrical and Electronics Engineering	High Power Multilevel Converters - Analysis, design and operational issues	Prof. Anandarup Das	IITD	IITD	12 Weeks
noc22-ee17	Electrical and Electronics Engineering	Power System Engineering	Prof. Debapriya Das	IITKGP	IITKGP	12 Weeks
noc22-ee18	Electrical and Electronics Engineering	Power System Dynamics, Control and Monitoring	Prof. Debapriya Das	IITKGP	IITKGP	12 Weeks
noc22-ee19	Electrical and Electronics Engineering	Biomedical Signal Processing	Prof. Sudipta Mukhopadhyay	IITKGP	IITKGP	12 Weeks
noc22-ee20	Electrical and Electronics Engineering	Spread Spectrum Communications and Jamming	Prof. Debarati Sen	IITKGP	IITKGP	12 Weeks
noc22-ee21	Electrical and Electronics Engineering	Fuzzy Sets, Logic and Systems & Applications	Prof. Nishchal Kumar Verma	IITK	IITK	12 Weeks
noc22-ee22	Electrical and Electronics Engineering	Antennas	Prof. Girish Kumar	IITB	IITB	12 Weeks
noc22-ee23	Electrical and Electronics Engineering	Nonlinear and Adaptive Control	Prof. Shubhendu Bhasin	IITD	IITD	4 Weeks
noc22-ee24	Electrical and Electronics Engineering	Optimal control	Prof. Barjeev Tyagi	IITR	IITR	8 Weeks
noc22-ee25	Electrical and Electronics Engineering	Electronics equipment integration and Prototype building	Prof. N.V Chalapathi Rao	IISc	IISc	8 Weeks
noc22-ee26	Electrical and Electronics Engineering	Electronics Enclosures Thermal issues	Prof. N.V Chalapathi Rao	IISc	IISc	8 Weeks
noc22-ee27	Electrical and Electronics Engineering	Integrated Circuits, Mosfets, OP-Amps and their Applications	Prof. Hardik Jeetendra Pandya	IISc	IISc	12 Weeks
noc22-ee28	Electrical and Electronics Engineering	Discrete Time Signal Processing	Prof. Mrityunjay Chakraborty	IITKGP	IITKGP	8 Weeks
noc22-ee29	Electrical and Electronics Engineering	Recent Advances in Transmission Insulators	Prof. Subba Reddy B	IISc	IISc	4 Weeks
noc22-ee30	Electrical and Electronics Engineering	Power Quality Improvement Technique	Prof. Avik Bhattacharya	IITR	IITR	8 Weeks



noc22-ee31	Electrical and Electronics Engineering	Control engineering	Prof. Ramkrishna Pasumarthy	IITM	IITM	12 Weeks
noc22-ee32	Electrical and Electronics Engineering	Multirate DSP	Prof. R. David Koilpillai	IITM	IITM	12 Weeks
noc22-ee33	Electrical and Electronics Engineering	Design of Power Electronic Converters	Prof. Shabari Nath	IITG	IITG	8 Weeks
noc22-ee34	Electrical and Electronics Engineering	Circuit Analysis for Analog Designers	Prof. Shanthi Pavan	IITM	IITM	12 Weeks
noc22-ee35	Electrical and Electronics Engineering	Operation and Planning of Power Distribution Systems	Prof. Sanjib Ganguly	IITG	IITG	12 Weeks
noc22-ee36	Electrical and Electronics Engineering	A brief introduction of Micro - Sensors	Prof. Santanu Talukder	IISER Bhopal	IITM	4 Weeks
noc22-ee37	Electrical and Electronics Engineering	Analog Ic Design	Prof. Aniruddhan.S	IITM	IITM	12 Weeks
noc22-ee38	Electrical and Electronics Engineering	Digital IC Design	Prof. Janakiraman	IITM	IITM	12 Weeks
noc22-ee39	Electrical and Electronics Engineering	Linear Dynamical Systems	Prof. Tushar Jain	IIT Mandi	IITM	8 Weeks
noc22-ee01	Electrical and Electronics Engineering	Nonlinear System Analysis	Prof. Ramkrishna Pasumarthy Prof. Arunkumar D Mahindrakar	IITM	IITM	12 Weeks
noc22-ee41	Electrical and Electronics Engineering	Power Management Integrated Circuits	Prof. Qadeer Ahmad Khan	IITM	IITM	12 Weeks
noc22-ee42	Electrical and Electronics Engineering	Signals and Systems	Prof. Hitesh Shrimali Prof. Kushal K. Shah	IIT Mandi	IITM	12 Weeks
noc22-ee43	Electrical and Electronics Engineering	Transmission lines and electromagnetic waves	Prof. Ananth Krishnan	IITM	IITM	12 Weeks
noc22-ee44	Electrical and Electronics Engineering	Design and Analysis of VLSI Subsystems	Prof. Madhav Rao	IIIT Bangalore	IITM	12 Weeks
noc22-ee45	Electrical and Electronics Engineering	Digital System Design	Prof. Neeraj Goel	IIT Ropar	IITM	12 Weeks
noc22-ee46	Electrical and Electronics Engineering	Digital Protection of Power System	Prof. Bhaveshkumar R. Bhalja	IITR	IITR	8 Weeks
noc22-ee47	Electrical and Electronics Engineering	Physics of Nanoscale Devices	Prof. Vishvendra Singh Poonia	IITR		12 Weeks



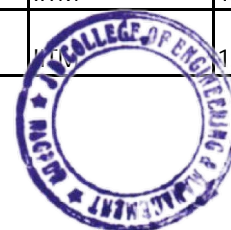
noc22-ee48	Electrical and Electronics Engineering	Computer Vision and Image Processing – Fundamentals and Applications	Prof. M. K. Bhuyan	IITG	IITG	12 Weeks
noc22-ee49	Electrical and Electronics Engineering	An Introduction to Information Theory	Prof. Adrish Banerjee	IITK	IITK	8 Weeks
noc22-ee50	Electrical and Electronics Engineering	Sensors and Actuators	Prof. Hardik Jeetendra Pandya	IISc	IISc	12 Weeks
noc22-ee51	Electrical and Electronics Engineering	Photonic integrated circuit	Prof. Shankar Kumar Selvaraja	IISC	IISc	12 Weeks
noc22-ee52	Electrical and Electronics Engineering	Basic Building Blocks of Microwave Engineering & Design Principles of RF And Microwave Filters And Amplifiers	Prof. Amitabha Bhattacharya	IITKGP	IITKGP	8 Weeks
noc22-ee53	Electrical and Electronics Engineering	Electric Vehicles - Part 1	Prof. Amit Jain	IITD	IITD	4 Weeks
noc22-ee54	Electrical and Electronics Engineering	Deep Learning for Visual Computing	Prof. Debdoot Sheet	IITKGP	IITKGP	12 Weeks
noc22-ee55	Electrical and Electronics Engineering	Digital Electronic Circuits	Prof. Goutam Saha	IITKGP	IITKGP	12 Weeks
noc22-ee56	Electrical and Electronics Engineering	Evolution Of Air Interface Towards 5G	Prof. Suvra Sekhar Das	IITKGP	IITKGP	8 Weeks
noc22-ee57	Electrical and Electronics Engineering	VLSI Signal Processing	Prof. Mrityunjoy Chakraborty	IITKGP	IITKGP	8 Weeks
noc22-ee58	Electrical and Electronics Engineering	Architectural Design of Digital Integrated Circuits	Prof. Indranil Hatai	IITKGP	IITKGP	12 Weeks
noc22-ee59	Electrical and Electronics Engineering	Biophotonics	Prof. Basudev Lahiri	IITKGP	IITKGP	12 Weeks
noc22-ee02	Electrical and Electronics Engineering	Applied Linear Algebra	Prof. Andrew Thangaraj	IITM	IITM	12 Weeks
noc22-ee61	Electrical and Electronics Engineering	Communication Networks	Prof. Goutam Das	IITKGP	IITKGP	12 Weeks
noc22-ee62	Electrical and Electronics Engineering	Signal Processing Techniques And Its Applications	Prof. Shyamal Kumar Das Mandal	IITKGP	IITKGP	12 Weeks
noc22-ee63	Electrical and Electronics Engineering	Analysis and Design Principles of Microwave Antennas	Prof. Amitabha Bhattacharya	IITKGP	IITKGP	8 Weeks



noc22-ee64	Electrical and Electronics Engineering	Medical Image Analysis	Prof. Debdoot Sheet	IITKGP	IITKGP	4 Weeks
noc22-ee65	Electrical and Electronics Engineering	Fundamentals of MIMO Wireless Communication	Prof. Suvra Sekhar Das	IITKGP	IITKGP	8 Weeks
noc22-ee67	Electrical and Electronics Engineering	Optical Fiber Sensors	Prof Balaji Srinivasan	IITM	IITM	12 Weeks
noc22-hs36	Humanities and Social Sciences	Modern Indian Art From The Colonial Period To The Present	Prof. Soumik Nandy Majumdar	Visva-Bharati University	IITK	4 Weeks
noc22-hs02	Humanities and Social Sciences	Visual Perception And Art: A Survey Across The Cultures	Prof. Soumik Nandy Majumdar	Visva-Bharati University	IITK	4 Weeks
noc22-hs03	Humanities and Social Sciences	Health Research Fundamentals	Multifaculty	NIE	IITM	8 Weeks
noc22-hs04	Humanities and Social Sciences	Patent Drafting for Beginners	Prof. Feroz Ali	IITM	IITM	4 Weeks
noc22-hs05	Humanities and Social Sciences	Effective Writing	Prof. Binod Mishra	IITR	IITR	4 Weeks
noc22-hs06	Humanities and Social Sciences	The Nineteenth - Century English Novel	Prof. Divya A	IITM	IITM	12 Weeks
noc22-hs07	Humanities and Social Sciences	Soft Skill Development	Prof. Priyadarshi Patnaik Prof. V.N. Giri Prof. D. Suar	IITKGP	IITKGP	8 Weeks
noc22-hs08	Humanities and Social Sciences	Enhancing Soft Skills and Personality	Prof. T. Ravichandran	IITK	IITK	8 Weeks
noc22-hs09	Humanities and Social Sciences	Literature, Culture and Media	Prof. Rashmi Gaur	IITR	IITR	12 Weeks
noc22-hs10	Humanities and Social Sciences	Development of Sociology in India	Prof. Ashish Saxena	IITK	IITK	4 Weeks
noc22-hs11	Humanities and Social Sciences	Emotional Intelligence	Prof. Rabindra Kumar Pradhan	IITKGP	IITKGP	8 Weeks
noc22-hs12	Humanities and Social Sciences	Introduction to Modern Indian Drama	Prof. Kiran Keshavamurthy	IITG	IITG	8 Weeks
noc22-hs13	Humanities and Social Sciences	Speaking Effectively	Prof. Anjali Gera Roy	IITKGP	IITKGP	8 Weeks
noc22-hs14	Humanities and Social Sciences	Introduction to Political Theory	Prof. Mithilesh Kumar Jha	IITG		12 Weeks



noc22-hs15	Humanities and Social Sciences	Introduction to Modern Indian Political Thought	Prof. Mithilesh Kumar Jha	IITG	IITG	12 Weeks
noc22-hs16	Humanities and Social Sciences	Economic Growth and Development	Prof. Rajshree Bedamatta	IITG	IITG	8 Weeks
noc22-hs17	Humanities and Social Sciences	Postcolonial Literature	Prof. Sayan Chattopadhyay	IITK	IITK	4 Weeks
noc22-hs18	Humanities and Social Sciences	Human Behaviour	Prof. Naveen Kashyap	IITG	IITG	8 Weeks
noc22-hs19	Humanities and Social Sciences	Introduction to Cognitive Psychology	Prof. Naveen Kashyap	IITG	IITG	12 Weeks
noc22-hs20	Humanities and Social Sciences	Introduction to Psychology	Prof. Braj Bhushan	IITK	IITK	8 Weeks
noc22-hs21	Humanities and Social Sciences	Introduction to Environmental Economics	Prof. Diptimayee Nayak Prof. S. P. Singh	IITR	IITR	12 Weeks
noc22-hs22	Humanities and Social Sciences	Psychiatry - An Overview and How the Brain Creates Mind	Prof. Alok Bajpai	IITK	IITK	8 Weeks
noc22-hs23	Humanities and Social Sciences	Sociological Perspectives on Modernity	Prof. Sambit Mallick	IITG	IITG	12 Weeks
noc22-hs24	Humanities and Social Sciences	Basics of language Science	Prof. Rajesh Kumar	IITM	IITM	12 Weeks
noc22-hs25	Humanities and Social Sciences	English Literature of the Romantic Period, 1798-1832	Prof. Pramod K Nayar	University of Hyderabad	IITM	8 Weeks
noc22-hs26	Humanities and Social Sciences	Feminism : Concepts and Theories	Prof. Mathangi Krishnamurthy	IITM	IITM	12 Weeks
noc22-hs27	Humanities and Social Sciences	Introduction to Political Ideologies : Contexts, Ideas, and Practices	Prof. Arvind Sivaramakrishnan	IITM	IITM	12 Weeks
noc22-hs28	Humanities and Social Sciences	Language and Mind	Prof. Rajesh Kumar	IITM	IITM	8 Weeks
noc22-hs29	Humanities and Social Sciences	Patent Law for Engineers and Scientists	Prof. Feroz Ali	IITM	IITM	12 Weeks
noc22-hs30	Humanities and Social Sciences	German - I	Prof. Milind Brahme	IITM	IITM	12 Weeks
noc22-hs31	Humanities and Social Sciences	German - II	Prof. Milind Brahme	IITM	IITM	12 Weeks



Principal
 J D College of Engineering & Management
 Khandala, Katol Road
 Nagpur-441501

noc22-hs42	Humanities and Social Sciences	An Introduction to Microeconomics	Prof. Vimal Kumar	IITK	IITK	12 Weeks
noc22-hs33	Humanities and Social Sciences	English Literature for competitive exams	Prof. Aysha Iqbal	IITM	IITM	8 Weeks
noc22-hs34	Humanities and Social Sciences	Technical English for Engineers	Prof. Aysha Iqbal	IITM	IITM	8 Weeks
noc22-hs35	Humanities and Social Sciences	Introduction to Pāṇinian grammar	Prof. Malhar Kulkarni	IITB	IITB	12 Weeks
noc22-hs01	Humanities and Social Sciences	Literature and Life	Prof. S P Dhanavel	IITM	IITM	12 Weeks
noc22-hs37	Humanities and Social Sciences	Literature and Coping Skills	Prof. Ajit K Mishra	IIT(BHU) Varanasi	IITM	8 Weeks
noc22-hs38	Humanities and Social Sciences	Globalization: Theoretical Perspectives	Prof. R. Santhosh	IITM	IITM	12 Weeks
noc22-hs39	Humanities and Social Sciences	Indian Poetry in English	Prof. Binod Mishra	IITR	IITR	8 Weeks
noc22-hs40	Humanities and Social Sciences	Exploring Survey Data on Health Care	Prof. Pratap C. Mohanty	IITR	IITR	8 Weeks
noc22-hs41	Humanities and Social Sciences	Language, Culture and Cognition: An Introduction	Prof. Bidisha Som	IITG	IITG	8 Weeks
noc22-hs32	Humanities and Social Sciences	German - III	Prof. Milind Brahme	IITM	IITM	12 weeks
noc22-hs43	Humanities and Social Sciences	Energy Resources, Economics and Environment	Prof. Rangan Banerjee	IITB	IITB	12 Weeks
noc22-hs44	Humanities and Social Sciences	Phonetics and Phonology: A broad overview	Prof. Shakuntala Mahanta	IITG	IITG	8 Weeks
noc22-hs45	Humanities and Social Sciences	Philosophical Foundations of Social Research	Prof. Sambit Mallick	IITG	IITG	8 Weeks
noc22-hs46	Humanities and Social Sciences	Psychology of Stress, Health and Well-being	Prof. Dilwar Hussain	IITG	IITG	12 Weeks
noc22-hs47	Humanities and Social Sciences	Introduction To Brain & Behaviour	Prof. Ark Verma	IITK	IITK	8 Weeks
noc22-hs48	Humanities and Social Sciences	Introduction To The Psychology Of Language	Prof. Ark Verma	IITK	IITK	8 Weeks




Principal
J D College of Engineering & Management
 Khandala, Katol Road
 Nagpur-441301

noc22-hs49	Humanities and Social Sciences	Introduction On Intellectual Property To Engineers And Technologists	Prof. Tapas Kumar Bandyopadhyay	IITKGP	IITKGP	8 Weeks
noc22-hs50	Humanities and Social Sciences	Towards an Ethical Digital Society: From Theory to Practice	Prof. Bidisha Chaudhuri	IIT Bangalore	IITM	4 Weeks
noc22-hs51	Humanities and Social Sciences	Contextualizing Gender	Prof. Rashmi Gaur	IITR	IITR	12 Weeks
noc22-hs52	Humanities and Social Sciences	Modern Indian Writing in Translation	Prof. Divya A	IITM	IITM	12 Weeks
noc22-hs53	Humanities and Social Sciences	Twentieth Century Fiction	Prof. Avishek Parui	IITM	IITM	12 Weeks
noc22-hs54	Humanities and Social Sciences	Introduction to Cultural Studies	Prof. Avishek Parui	IITM	IITM	12 Weeks
noc22-hs55	Humanities and Social Sciences	Introduction to World Literature	Prof. Merin Simi Raj	IITM	IITM	12 Weeks
noc22-hs56	Humanities and Social Sciences	Literary Criticism (From Plato to Leavis)	Prof. Merin Simi Raj	IITM	IITM	12 Weeks
noc22-hs57	Humanities and social sciences	Appreciating Hindustani Music	Prof. Lakshmi Sreeram	IITM	IITM	8 Weeks
noc22-hs58	Humanities and social sciences	Handling Large-Scale Unit Level Data Using STATA	Prof. Pratap C. Mohanty	IITR	IITR	8 Weeks
noc22-hs59	Humanities and Social Sciences	Intellectual Property	Prof. Feroz Ali	IITM	IITM	12 Weeks
noc22-hs60	Humanities and Social Sciences	Advanced Level of Spoken Sanskrit	Prof. Anuradha Choudry	IITKGP	IITKGP	8 Weeks
noc22-hs61	Humanities and Social Sciences	Education for Sustainable Development	Prof. Atasi Mohanty	IITKGP	IITKGP	12 Weeks
noc22-hs62	Humanities and Social Sciences	Elements of Literature and Creative Communication	Prof. H.S. Komalesha	IITKGP	IITKGP	12 Weeks
noc22-hs63	Humanities and Social Sciences	Training and Development	Prof. Susmita Mukhopadyay Prof. S.Srinivasan	IITKGP	IITM	12 Weeks
noc22-hs64	Humanities and Social Sciences	Infrastructure Economics	Prof. Nalin Bharti	IIT Patna	IITM	8 Weeks

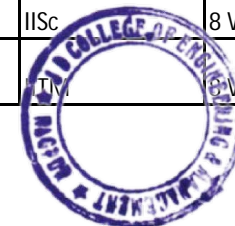


noc22-hs68	Humanities and Social Sciences	Japani Bhasha - Saral swaroop(Japanese course taught in hindi)	Prof. Vatsala Misra	IITK	IITK	12 Weeks
noc22-hs69	Humanities and Social Sciences	Indian Economy: Some Contemporary Perspectives	Prof. Wasim Ahmad	IITK	IITK	8 Weeks
noc22-mg36	Management	Technology Forecasting for strategic decision making - An Introduction	Prof. Dmitry Kucharavy Prof. Bala Ramadurai	EM Strasbourg Business School (University of Strasbourg) and IITM	IITM	4 Weeks
noc22-mg02	Management	Data Analysis and Decision Making - I	Prof. Raghu Nandan Sengupta	IITK	IITK	12 Weeks
noc22-mg03	Management	Data Analysis & Decision Making - II	Prof. Raghu Nandan Sengupta	IITK	IITK	12 Weeks
noc22-mg04	Management	Management of Field Sales	Prof. Jayanta Chatterjee	IITK	IITK	4 Weeks
noc22-mg05	Management	Marketing Management - II	Prof. Jayanta Chatterjee Prof. Shashi Shekhar Mishra	IITK	IITK	8 Weeks
noc22-mg06	Management	Managing change in organizations	Prof. KBL Srivastava	IITKGP	IITKGP	8 Weeks
noc22-mg07	Management	Financial Statement Analysis and Reporting	Prof. Anil K. Sharma	IITR	IITR	12 Weeks
noc22-mg08	Management	Financial Management For Managers	Prof. Anil K. Sharma	IITR	IITR	12 Weeks
noc22-mg09	Management	Business analytics and data mining Modeling using R	Prof. Gaurav Dixit	IITR	IITR	12 Weeks
noc22-mg10	Management	MCDM Techniques Using R	Prof. Gaurav Dixit	IITR	IITR	4 Weeks
noc22-mg11	Management	Business Analytics For Management Decision	Prof. Rudra P Pradhan	IITKGP	IITKGP	12 Weeks
noc22-mg12	Management	Engineering Econometrics	Prof. Rudra P Pradhan	IITKGP	IITKGP	12 Weeks

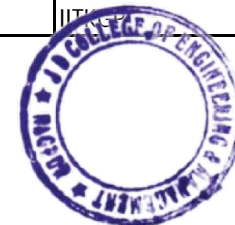



Principal
 J D College of Engineering & Management
 Khandala, Katol Road
 Nagpur-441501

noc22-mg13	Management	Microeconomics: Theory & Applications	Prof. Deep Mukherjee	IITK	IITK	12 Weeks
noc22-mg14	Management	Supply Chain Analytics	Prof. Rajat Agrawal	IITR	IITR	8 Weeks
noc22-mg15	Management	Production and Operation Management	Prof. Rajat Agrawal	IITR	IITR	12 Weeks
noc22-mg16	Management	Quality Design And Control	Prof. Pradip Kumar Ray	IITKGP	IITKGP	12 Weeks
noc22-mg17	Management	Management of Inventory Systems	Prof. Pradip Kumar Ray	IITKGP	IITKGP	12 Weeks
noc22-mg18	Management	Simulation of Business Systems: An Applied Approach	Prof. Deepu Philip	IITK	IITK	8 Weeks
noc22-mg19	Management	Systems Engineering: Theory & Practice	Prof. Deepu Philip	IITK	IITK	8 Weeks
noc22-mg20	Management	Behavioral and Personal Finance	Prof. Abhijeet Chandra	IITKGP	IITKGP	8 Weeks
noc22-mg21	Management	Introduction to Stochastic Processes	Prof. Manjesh hanawal	IITB	IITB	12 Weeks
noc22-mg22	Management	Marketing Research and Analysis-II	Prof. J. K. Nayak	IITR	IITR	12 Weeks
noc22-mg23	Management	Financial Institutions and Markets	Prof. Jitendra Mahakud	IITKGP	IITKGP	12 Weeks
noc22-mg24	Management	Management of Commercial Banking	Prof. Jitendra Mahakud	IITKGP	IITKGP	12 Weeks
noc22-mg25	Management	Business Statistics	Prof. Mukesh Kumar Barua	IITR	IITR	12 Weeks
noc22-mg26	Management	Marketing Analytics	Prof. Swagato Chatterjee	IITKGP	IITKGP	12 Weeks
noc22-mg27	Management	Modelling and Analytics for Supply Chain Management	Prof. Kunal Kanti Ghosh Prof. Anupam Ghosh	IITKGP	IITKGP	12 Weeks
noc22-mg28	Management	Global Marketing Management	Prof. Zillur Rahman	IITR	IITR	8 Weeks
noc22-mg29	Management	Integrated Marketing Management	Prof. R. Srinivasan	IISc	IISc	8 Weeks
noc22-mg30	Management	Introduction to Operations Research	Prof. G. Srinivasan	IITM	IITM	8 Weeks

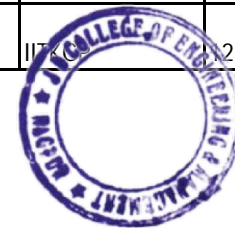


noc22-mg31	Management	Introduction to probability and Statistics	Prof. G. Srinivasan	IITM	IITM	4 Weeks
noc22-mg32	Management	Design Thinking - A Primer	Prof. Ashwin Mahalingam Prof. Bala Ramadurai	IITM	IITM	4 Weeks
noc22-mg34	Management	Financial accounting - IITMandi	Prof. Puran Singh	IIT Mandi	IITM	12 Weeks
noc22-mg35	Management	Decision making with spreadsheet	Prof. Ramesh Anbanandam	IITR	IITR	12 Weeks
noc22-mg01	Management	Strategy and Technology: A Practical Primer	Prof. C Bhaktavatsala Rao	IITM	IITM	12 Weeks
noc22-mg37	Management	Leadership for India Inc: Practical Concepts and Constructs	Prof. C Bhaktavatsala Rao	IITM	IITM	12 Weeks
noc22-mg38	Management	Integrated Marketing Communication	Prof. Vinay Sharma	IITR	IITR	12 Weeks
noc22-mg39	Management	Leadership and Team Effectiveness	Prof. Santosh Rangnekar	IITR	IITR	12 Weeks
noc22-mg40	Management	Quality Control and Improvement with MINITAB	Prof. Indrajit Mukherjee	IITB	IITB	8 Weeks
noc22-mg41	Management	Organization Theory/Structure and Design	Prof. Zillur Rahman	IITR	IITR	8 Weeks
noc22-mg42	Management	Principles of Management	Prof. Usha Lenka	IITR	IITR	12 Weeks
noc22-mg43	Management	Foundation Course in Managerial Economics	Prof. Barnali Nag	IITKGP	IITKGP	8 Weeks
noc22-mg44	Management	Services Marketing: A Practical Approach	Prof. Biplab Datta	IITKGP	IITKGP	4 Weeks
noc22-mg45	Management	E-Business	Prof. Mamata Jenamani	IITKGP	IITKGP	12 Weeks
noc22-mg46	Management	Sales And Distribution Management	Prof. Sangeeta Sahney	IITKGP	IITKGP	8 Weeks
noc22-mg47	Management	Consumer Behaviour	Prof. Srabanti Mukherjee	IITKGP	IITKGP	8 Weeks

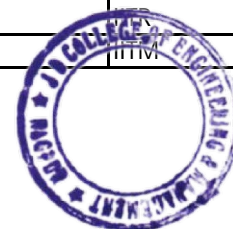



Principal
 J D College of Engineering & Management
 Khandala, Katol Road
 Nagpur-441301

noc22-mg48	Management	Six Sigma	Prof. Jitesh J Thakkar	IITKGP	IITKGP	12 Weeks
noc22-mg49	Management	Talent Acquisition and Management	Prof. Santosh Rangnekar	IITR	IITR	12 Weeks
noc22-mg50	Management	International Marketing	Prof. Biswarup Ghosh	IITKGP	IITKGP	8 Weeks
noc22-mg51	Management	Retail Management	Prof. Swagato Chatterjee	IITKGP	IITKGP	8 Weeks
noc22-mg52	Management	Business Law for Managers	Prof. S. Srinivasan Prof. Kaushik Mukherjee	IITKGP	IITKGP	8 Weeks
noc22-mg53	Management	Strategic Performance Management	Prof. Kbl Srivastava	IITKGP	IITKGP	8 Weeks
noc22-mg54	Management	Ethics In Engineering Practice	Prof. Susmita Mukhopadhyay	IITKGP	IITKGP	8 Weeks
noc22-mg55	Management	Safety and Risk Analytics	Prof. Jhareswar Maiti	IITKGP	IITKGP	12 Weeks
noc22-mg56	Management	Leadership	Prof. Tuheena Mukherjee Prof. Kalyan Chakravarti	IITKGP	IITKGP	4 Weeks
noc22-ma18	Mathematics	Numerical Linear Algebra	Prof. P. N. Agrawal Prof. D.N. Pandey	IITR	IITR	12 Weeks
noc22-ma02	Mathematics	Ordinary and Partial Differential Equations and Applications	Prof. P. N. Agrawal Prof. D.N. Pandey	IITR	IITR	12 Weeks
noc22-ma03	Mathematics	Integral and Vector Calculus	Prof. Hari Shankar Mahato	IITKGP	IITKGP	12 Weeks
noc22-ma04	Mathematics	Basic Linear Algebra	Prof. I. K. Rana	IITB	IITB	8 Weeks
noc22-ma05	Mathematics	Basic Real Analysis	Prof. I. K. Rana	IITB	IITB	12 Weeks
noc22-ma06	Mathematics	Introduction to Algebraic Geometry and Commutative Algebra	Prof. Dilip P. Patil	IISc	IISc	12 Weeks
noc22-ma07	Mathematics	Multivariable calculus	Prof. S. K. Gupta Prof. Sanjeev Kumar	IITR	IITR	8 Weeks
noc22-ma08	Mathematics	Engineering Mathematics II	Prof. Jitendra Kumar	IITKGP	IITKGP	2 Weeks

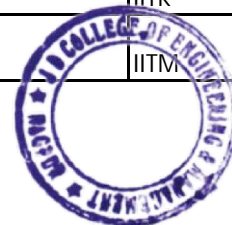


noc22-ma09	Mathematics	Applied Multivariate Statistical Modeling	Prof. Jhareswar Maiti	IITKGP	IITKGP	12 Weeks
noc22-ma10	Mathematics	Graph Theory	Prof. Soumen Maity	IISER PUNE	IITM	8 Weeks
noc22-ma11	Mathematics	Introduction To Rings And Fields	Prof. Krishna Hanumanthu	CMI	IITM	8 Weeks
noc22-ma12	Mathematics	Introduction to Galois Theory	Prof. Krishna Hanumanthu	CMI	IITM	8 Weeks
noc22-ma13	Mathematics	Basic Calculus - 1	Prof. Arindama Singh	IITM	IITM	12 Weeks
noc22-ma14	Mathematics	Linear Algebra	Prof. Pranav Haridas	Kerala School of Mathematics	IITM	12 Weeks
noc22-ma15	Mathematics	Probabilistic Methods in PDE	Prof. Anindya Goswami	IISER Pune	IITM	12 Weeks
noc22-ma16	Mathematics	Discrete-time Markov Chains and Poisson Processes	Prof. Ayon Ganguly Prof. Subhamay Saha	IITG	IITG	8 Weeks
noc22-ma17	Mathematics	Introduction to Queueing Theory	Prof. N. Selvaraju	IITG	IITG	12 Weeks
noc22-ma01	Mathematics	Algebraic Combinatorics	Prof. Amritanshu Prasad Prof. Sankaran Viswanath	IMSc	IITM	12 Weeks
noc22-ma19	Mathematics	Algebra - II	Prof. Sankaran Viswanath Prof. Amritanshu Prasad	IMSc	IITM	12 Weeks
noc22-ma20	Mathematics	Mathematical Modelling: Analysis and Applications	Prof. Aameeya Kumar Nayak	IITR	IITR	4 Weeks
noc22-ma21	Mathematics	Numerical Methods: Finite difference approach	Prof. Aameeya Kumar Nayak	IITR		4 Weeks
noc22-ma22	Mathematics	Functional Analysis	Prof. Kesavan	IMSc	IITM	12 Weeks

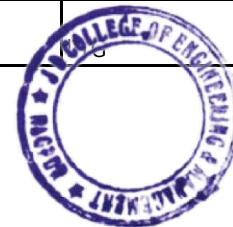



Principal
 J D College of Engineering & Management
 Khandala, Katol Road
 Nagpur-441301

noc22-ma23	Mathematics	Variational Calculus and its applications in Control Theory and Nanomechanics	Prof. Sarthok Sircar	IITD	IITM	12 Weeks
noc22-ma24	Mathematics	Computational Mathematics with SageMath	Prof. Ajit Kumar	Institute of Chemical Technology, Mumbai	IITM	8 Weeks + 4 Weeks(New)
noc22-ma25	Mathematics	An introduction to Point-Set-Topology Part-I	Prof. Anant R Shastri	IITB	IITB	12 Weeks
noc22-ma27	Mathematics	Probability –I with Examples Using R	Prof. Siva Athreya	ISI Bangalore	IITM	12 Weeks
noc22-ma28	Mathematics	First Course on Partial Differential Equations - I	Prof. A. K. Nandakumaran Prof. P. S. Datti	IISc	IISc	8 Weeks
noc22-ma29	Mathematics	Statistical Inference	Prof. Niladri Chatterjee	IITD	IITD	8 Weeks
noc22-ma30	Mathematics	Advanced Probability Theory	Prof. Niladri Chatterjee	IITD	IITD	12 Weeks
noc22-ma31	Mathematics	Scientific Computing using Matlab	Prof. Mani Mehra Prof. Vivek Kumar Aggarwal	IITD	IITD	12 Weeks
noc22-ma32	Mathematics	Transform Calculus and Its Applications In Differential Equations	Prof. Adrijit Goswami	IITKGP	IITKGP	12 Weeks
noc22-ma33	Mathematics	Statistical Inference - IIT KGP	Prof. Somesh Kumar	IITKGP	IITKGP	12 Weeks
noc22-ma34	Mathematics	Essentials Of Data Science With R Software - 1: Probability And Statistical Inference	Prof. Shalabh	IITK	IITK	12 Weeks
noc22-ma35	Mathematics	Essentials Of Data Science With R Software - 2: Sampling Theory And Linear Regression Analysis	Prof. Shalabh	IITK	IITK	12 Weeks
noc22-ma36	Mathematics	An invitation to Topology	Prof. Indrava Roy	IMSc	IITM	12 Weeks



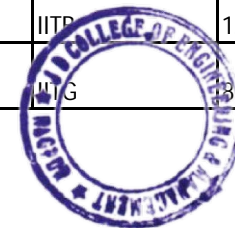
noc22-ma37	Mathematics	Mathematical Methods in Physics 1	Prof. Auditya Sharma	IISER Bhopal	IITM	8 Weeks
noc22-ma26	Mathematics	Probability and Stochastics for Finance	Prof. Joydeep Dutta	IITK	IITK	8 Weeks
noc22-me01	Mechanical Engineering	Acoustic Materials and Metamaterials	Prof. Sneha Singh	IITR	IITR	8 Weeks
noc22-me02	Mechanical Engineering	Computational Fluid Dynamics for Incompressible Flows	Prof. Amaresh Dalal	IITG	IITG	12 Weeks
noc22-me03	Mechanical Engineering	Fundamentals of Surface Engineering: Mechanisms, Processes and Characterizations	Prof. D. K. Dwivedi	IITR	IITR	12 Weeks
noc22-me04	Mechanical Engineering	Principles of Industrial Engineering	Prof. D. K. Dwivedi	IITR	IITR	12 Weeks
noc22-me05	Mechanical Engineering	Robotics and Control : Theory and Practice	Prof. N. Sukavanam Prof. M.Felix Orlando	IITR	IITR	8 Weeks
noc22-me07	Mechanical Engineering	Steam and Gas Power Systems	Prof. Ravi Kumar	IITR	IITR	8 Weeks
noc22-me08	Mechanical Engineering	Mechanical Measurement Systems	Prof. Ravi Kumar	IITR	IITR	8 Weeks
noc22-me09	Mechanical Engineering	Turbulent Combustion: Theory And Modelling	Prof. Ashoke De	IITK	IITK	12 Weeks
noc22-me10	Mechanical Engineering	Computer Integrated Manufacturing	Prof. J. Ramkumar Prof. Amandeep Singh	IITK	IITK	12 Weeks
noc22-me11	Mechanical Engineering	Product Design and Manufacturing	Prof. J.Ramkumar Prof. Amandeep Singh	IITK	IITK	12 Weeks
noc22-me12	Mechanical Engineering	Automatic Control	Prof. Anil Kumar	IITR	IITR	8 Weeks
noc22-me13	Mechanical Engineering	Mechanics of Machining	Prof. Uday S. Dixit	IITG	IITG	8 Weeks
noc22-me14	Mechanical Engineering	Introduction To Mechanical Micro Machining	Prof. Ajay M Sidpara	IITKGP	IITKGP	12 Weeks
noc22-me15	Mechanical Engineering	Fundamentals of Nuclear Power Generation	Prof. Dipankar N.Basu	IITG		12 Weeks



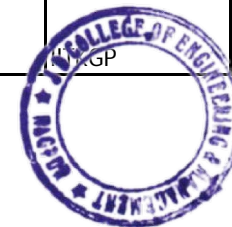

Principal
J D College of Engineering & Management
 Khandala, Katol Road
 Nagpur-441301


noc22-me16	Mechanical Engineering	Nature and Properties of Materials	Prof. Bishakh Bhattacharya	IITK	IITK	8 Weeks
noc22-me17	Mechanical Engineering	Smart Materials and Intelligent System Design	Prof. Bishakh Bhattacharya	IITK	IITK	4 Weeks
noc22-me18	Mechanical Engineering	Modelling and Simulation of Dynamic Systems	Prof. Pushparaj Mani Pathak	IITR	IITR	8 Weeks
noc22-me19	Mechanical Engineering	Fundamental of Welding Science and Technology	Prof. Pankaj Biswas	IITG	IITG	8 Weeks
noc22-me20	Mechanical Engineering	Introduction to Abrasive Machining and Finishing Processes	Prof. Mamilla Ravi Sankar	IIT Tirupati	IITM	8 Weeks
noc22-me21	Mechanical Engineering	Introduction to Machining and Machining Fluids	Prof. Mamilla Ravi Sankar	IIT Tirupati	IITM	8 Weeks
noc22-me22	Mechanical Engineering	Traditional And Non-Traditional Optimization Tools	Prof. Dilip Kumar Pratihar	IITKGP	IITKGP	8 Weeks
noc22-me23	Mechanical Engineering	Convective Heat Transfer	Prof. Arup Kumar Das	IITR	IITR	4 Weeks
noc22-me24	Mechanical Engineering	Two phase flow and heat transfer	Prof. Arup Kumar Das	IITR	IITR	4 Weeks
noc22-me25	Mechanical Engineering	Kinematics of Mechanisms and Machines	Prof. Anirvan Dasgupta	IITKGP	IITKGP	8 Weeks
noc22-me26	Mechanical Engineering	Vibrations Of Structures	Prof. Anirvan Dasgupta	IITKGP	IITKGP	12 Weeks
noc22-me27	Mechanical Engineering	Introduction to Soft Matter	Prof. Alope Kumar	IISc	IISc	8 Weeks
noc22-me28	Mechanical Engineering	Manufacturing Process Technology I & II	Prof. Shantanu Bhattacharya	IITK	IITK	12 Weeks
noc22-me29	Mechanical Engineering	Design Practice	Prof. Shantanu Bhattacharya	IITK	IITK	8 Weeks
noc22-me30	Mechanical Engineering	Experimental Methods in Fluid Mechanics	Prof. Pranab K. Mondal	IITG	IITG	12 Weeks
noc22-me31	Mechanical Engineering	Introduction To Fluid Mechanics	Prof. Suman Chakraborty	IITKGP	IITKGP	12 Weeks

noc22-me32	Mechanical Engineering	Applied Ergonomics	Prof. Shantanu Bhattacharya Prof. Ankur Gupta	IITK and IITJ	IITK	12 Weeks
noc22-me33	Mechanical Engineering	Fundamentals of combustion for propulsion	Prof. S.Varunkumar Prof. H.S.Mukunda	IITM IISc Bangalore	IITM	8 Weeks
noc22-me34	Mechanical Engineering	Sound and Structural Vibration	Prof. Venkata R. Sonti	IISc	IISc	12 Weeks
noc22-me35	Mechanical Engineering	Fundamentals of Combustion	Prof. V. Raghavan	IITM	IITM	12 Weeks
noc22-me36	Mechanical Engineering	Oil Hydraulics and Pneumatics	Prof. Somashekhar S	IITM	IITM	12 Weeks
noc22-me37	Mechanical Engineering	Explosions and Safety	Prof. K. Ramamurthi Prof. Prasad Patnaik BSV	IITM	IITM	12 Weeks
noc22-me38	Mechanical Engineering	Wheeled Mobile Robots	Prof. Asokan Thondiyath Prof. Santhakumar Mohan	IITM IIT Palakkad	IITM	8 Weeks
noc22-me39	Mechanical Engineering	Robotics: Basics and Selected Advanced Concepts	Prof. Ashitava Ghosal	IISc	IISc	12 Weeks
noc22-me40	Mechanical Engineering	Mechanics of Fiber Reinforced Polymer Composite Structures	Prof. Debabrata Chakraborty	IITG	IITG	12 Weeks
noc22-me41	Mechanical Engineering	Robot Motion Planning	Prof. Ashish Dutta	IITK	IITK	8 Weeks
noc22-me42	Mechanical Engineering	Heat Transfer and Combustion in Multiphase Systems	Prof. Saptarshi Basu	IISc	IISc	8 Weeks
noc22-me43	Mechanical Engineering	Finite Element Method	Prof. Biswanath Banerjee Prof. Amit Shaw	IITKGP	IITKGP	12 Weeks
noc22-me44	Mechanical Engineering	Optimization from fundamentals	Prof. Ankur A. Kulkarni	IITB	IITB	12 Weeks
noc22-me45	Mechanical Engineering	Theory of Composite Shells	Prof. Poonam Kumari	IITG	IITG	8 Weeks



noc22-me46	Mechanical Engineering	Finite element modeling of welding processes	Prof. Swarup Bag	IITG	IITG	12 Weeks
noc22-me47	Mechanical Engineering	Evolutionary Computation for Single and Multi-Objective Optimization	Prof. Deepak Sharma	IITG	IITG	8 Weeks
noc22-me48	Mechanical Engineering	Nonlinear Vibration	Prof. S. K. Dwivedy	IITG	IITG	12 Weeks
noc22-me49	Mechanical Engineering	Viscous Fluid Flow	Prof. Amaresh Dalal	IITG	IITG	12 Weeks
noc22-me50	Mechanical Engineering	Manufacturing Automation	Prof. Sounak Kumar Choudhury	IITK	IITK	4 Weeks
noc22-me51	Mechanical Engineering	Advanced Composites	Prof. Nachiketa Tiwari	IITK	IITK	12 Weeks
noc22-me52	Mechanical Engineering	Noise Management & Control	Prof. Nachiketa Tiwari	IITK	IITK	12 Weeks
noc22-me53	Mechanical Engineering	Inspection and Quality Control in Manufacturing	Prof. Kaushik Pal	IITR	IITR	4 Weeks
noc22-me54	Mechanical Engineering	Mechatronics	Prof. Pushparaj Mani Pathak	IITR	IITR	8 Weeks
noc22-me55	Mechanical Engineering	Operations Management	Prof. Inderdeep Singh	IITR	IITR	12 Weeks
noc22-me56	Mechanical Engineering	Manufacturing Guidelines for Product Design	Prof. Inderdeep Singh	IITR	IITR	8 Weeks
noc22-me57	Mechanical Engineering	Principles of Casting Technology	Prof. Pradeep Kumar Jha	IITR	IITR	8 Weeks
noc22-me58	Mechanical Engineering	Tools in Scientific Computing	Prof. Aditya Bandopadhyay	IITKGP	IITKGP	8 Weeks
noc22-me59	Mechanical Engineering	Industrial Automation and Control	Prof. Alokanti Deb Prof. Siddhartha Mukhopadhyay	IITKGP	IITKGP	12 Weeks
noc22-me60	Mechanical Engineering	Machinery Fault Diagnosis and Signal Processing	Prof. Amiya Ranjan Mohanty	IITKGP	IITKGP	12 Weeks
noc22-me61	Mechanical Engineering	Electronic Packaging and Manufacturing	Prof. Anandaroop Bhattacharya Prof. Goutam Chakraborty	IITKGP	IITKGP	8 Weeks

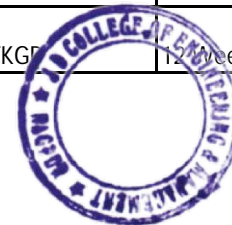



Principal
 J D College of Engineering & Management
 Khandala, Katol Road
 Nagpur-441501

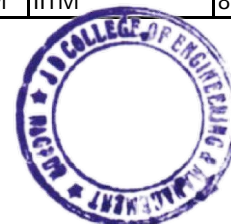
noc22-me62	Mechanical Engineering	Gear And Gear Unit Design: Theory and Practice	Prof. Rathindra Nath Maiti	IITKGP	IITKGP	8 Weeks
noc22-me63	Mechanical Engineering	Conduction And Convection Heat Transfer	Prof. Suman Chakraborty Prof. Sankar Kumar Som	IITKGP	IITKGP	12 Weeks
noc22-me64	Mechanical Engineering	Machining Science	Prof. Sounak Kumar Choudhury	IITK	IITK	4 Weeks
noc22-me65	Mechanical Engineering	IC Engines and Gas Turbines	Prof. Pranab K. Mondal Prof. Vinayak N. Kulkarni	IITG	IITG	12 Weeks
noc22-me68	Mechanical Engineering	Engineering Graphics and Design	Prof. Naresh Varma Datla Prof. S.R Kale	IITD	IITD	12 Weeks
noc22-me69	Mechanical Engineering/ Aerospace	Introduction To Uncertainty Analysis And Experimentation	Prof. S.R. Kale	IITD	IITD	8 Weeks
noc22-mm01	Metallurgical and Materials Engineering	Carbon Materials and Manufacturing	Prof. Swati Sharma	IIT Mandi	IITM	12 Weeks
noc22-mm03	Metallurgical and Materials Engineering	Welding Processes	Prof. Murugaiyan Amirthalingam	IITM	IITM	12 Weeks
noc22-mm04	Metallurgical and Materials Engineering	Mechanical Behaviour of Materials (Part – I)	Prof. Shashank Shekhar Prof. Sudhanshu Shekhar Singh	IITK	IITK	12 Weeks
noc22-mm05	Metallurgical and Materials Engineering	Materials Science and Engineering	Prof. Vivek Pancholi	IITR	IITR	8 Weeks
noc22-mm06	Metallurgical and Materials Engineering	Properties of Materials (Nature and Properties of Materials : III)	Prof. Ashish Garg	IITK	IITK	8 Weeks
noc22-mm07	Metallurgical and Materials Engineering	Dealing with materials data : collection, analysis and interpretation	Prof. M P Gururajan Prof. Hina Gokhale	IITB	IITB	12 Weeks
noc22-mm08	Metallurgical and Materials Engineering	Solar Photovoltaics: Principles, Technologies & Materials	Prof. Ashish Garg	IITK	IITK	8 Weeks



noc22-mm09	Metallurgical and Materials Engineering	Diffusion in Multicomponent Solids	Prof. Kaustubh Kulkarni	IITK	IITK	12 Weeks
noc22-mm10	Metallurgical and Materials Engineering	Fundamentals of Material Processing - Part 2	Prof. Shashank Shekhar Prof. Anshu Gaur	IITK	IITK	8 Weeks
noc22-mm11	Metallurgical and Materials Engineering	Fundamentals Of Electronic Materials And Devices	Prof. Parasuraman Swaminathan	IITM	IITM	8 Weeks
noc22-mm12	Metallurgical and Materials Engineering	Steel Quality: Role of Secondary Refining & Continuous Casting	Prof. Santanu Kr. Ray	IITM	IITM	12 Weeks
noc22-mm13	Metallurgical and Materials Engineering	Theory and Practice of Non Destructive Testing	Prof. Ranjit Bauri	IITM	IITM	8 Weeks
noc22-mm14	Metallurgical and Materials Engineering	Material Characterization	Prof.S. Sankaran	IITM	IITM	12 Weeks
noc22-mm15	Metallurgical and Materials Engineering	Introduction To Crystal Elasticity And Crystal Plasticity	Prof. Swarup Bag	IITG	IITG	8 Weeks
noc22-mm16	Metallurgical and Materials Engineering	Cathodic Protection Engineering	Prof. V.S. Raja	IITB	IITB	4 Weeks
noc22-mm17	Metallurgical and Materials Engineering	Corrosion - Part I	Prof. Kallol Mondal	IITK	IITK	8 Weeks
noc22-mm18	Metallurgical and Materials Engineering	Scanning Electron / Ion / Probe Microscopy in Materials Characterization	Prof. Debabrata Pradhan	IITKGP	IITKGP	8 Weeks
noc22-mm19	Metallurgical and Materials Engineering	Non - Metallic Materials	Prof. Subhasish Basu Majumder	IITKGP	IITKGP	12 Weeks
noc22-mm20	Mining, Metallurgical Engineering, A	Bulk Material Transport and Handling Systems	Prof. Khanindra Pathak	IITKGP	IITKGP	12 Weeks
noc22-mm21	Metallurgical and Materials Engineering	Surface Engineering of Nanomaterials	Prof. Kaushik Pal	IITR	IITR	8 Weeks
noc22-mm22	Metallurgical and Materials Engineering	Welding Metallurgy	Prof. Pradeep Kumar Jha	IITR	IITR	12 Weeks
noc22-mm23	Mining Engineering	Network Analysis for Mines and Mineral Engineering	Prof. Kaushik Dey	IITKGP	IITKGP	4 Weeks
noc22-mm24	Mining Engineering	Mining Machinery	Prof. Khanindra Pathak	IITKGP	IITKGP	12 Weeks

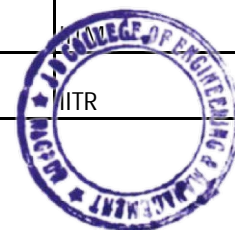



noc22-mm02	Mining Engineering	Drilling And Blasting Technology	Prof. Kaushik Dey	IITKGP	IITKGP	8 Weeks
noc22-ge01	Multidisciplinary	NBA Accreditation and Teaching and learning in Engineering (NATE)	Prof. N J Rao Prof. K Rajanikanth	IISc & MSRIT	IISc	12 Weeks
noc22-ge02	Multidisciplinary	Designing Learner-Centric MOOCs	Prof. Gargi Banerjee Prof. Sahana Murthy Prof. Jayakrishnan M. Prof. Sameer Sahasrabudhe	IITB	IITB	4 Weeks
noc22-ge03	Multidisciplinary	Entrepreneurship Essentials	Prof. Manoj Kumar Mondal	IITKGP	IITKGP	12 Weeks
noc22-ge04	Multidisciplinary	Fuzzy Logic and Neural Networks	Prof. Dilip Kumar Pratihar	IITKGP	IITKGP	8 Weeks
noc22-ge05	Multidisciplinary	Effective Engineering Teaching In Practice	Prof. G. K. Suraishkumar Prof. Edamana Prasad Prof. Richa Verma	IITM	IITM	4 Weeks
noc22-ge06	Multidisciplinary	Introduction to Environmental Engineering and Science - Fundamental and Sustainability Concepts	Prof. Brajesh Kumar Dubey	IITKGP	IITKGP	12 Weeks
noc22-ge08	Multidisciplinary	Research Methodology	Prof. Soumitro Banerjee	IISER Kolkata	IITM	12 Weeks
noc22-ge09	Multidisciplinary	Management of Medical Emergencies in Dental Practice	Multifaculty	Tagore Dental College & Hospital & IITM	IITM	8 Weeks



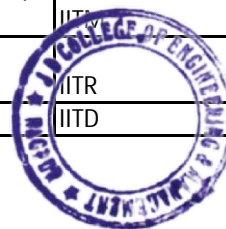
Principal
 J D College of Engineering & Management
 Khandala, Katol Road
 Nagpur-441501

noc22-ge10	Multidisciplinary	Basic Course in Ornithology	Dr. Mousumi Ghosh Dr. Manjari Jain Dr. R Jayapal Dr. Anand Krishnan Dr. Suhel Quader Dr. V.V. Robin Dr. Umesh Srinivasan	NCF IISER Mohali SACON IISER Pune NCF IISER Tirupati IISc	IITM	12 Weeks
noc22-ge11	Multidisciplinary	Fundamental of Fluid Mechanics for Chemical and Biomedical Engineers	Prof. Raghvendra Gupta	IITG	IITG	12 Weeks
noc22-ge12	Multidisciplinary	Environmental Chemistry and Microbiology	Prof. Anjali Pal Prof. Sudha Goel	IITKGP	IITKGP	12 Weeks
noc22-ge13	Multidisciplinary	Outcome Based Pedagogic Principles for Effective Teaching	Prof. Shyamal Kumar Das Mandal	IITKGP	IITKGP	4 Weeks
noc22-ge14	Multidisciplinary	Non-conventional energy Resources	Prof. Prathap Haridoss	IITM	IITM	12 Weeks
noc22-ge15	Multidisciplinary	Introduction to Research	Prof. Edamana Prasad Prof. Prathap Haridoss	IITM	IITM	8 Weeks
noc22-ge16	Multidisciplinary	Oral Biology	Prof. Ramya and Team	Saveetha Dental College & IITM	IITM	8 Weeks
noc22-ge07	Multidisciplinary	Teaching And Learning in Engineering (TALE)	Prof. N J Rao	IISc	IISc	4 weeks
noc22-oe01	Ocean Engineering	Offshore Structures Under Special Environmental Loads Including Fire Resistance	Prof. Srinivasan Chandrasekaran	IITM		12 Weeks
noc22-ph01	Physics	Optical Sensors	Prof. Sachin Kumar Srivastava	IITR	IITR	4 Weeks




Principal
 J D College of Engineering & Management
 Khandala, Katol Road
 Nagpur-441301

noc22-ph02	Physics	Physics of Biological Systems	Prof. Mithun Mitra	IITB	IITB	12 Weeks
noc22-ph03	Physics	Electronic Theory of Solids	Prof. Arghya Taraphder	IITKGP	IITKGP	12 Weeks
noc22-ph04	Physics	Experimental Physics III	Prof. Amal Kumar Das	IITKGP	IITKGP	12 Weeks
noc22-ph05	Physics	Experimental Physics - II	Prof. Amal Kumar Das	IITKGP	IITKGP	12 Weeks
noc22-ph06	Physics	Quantum Mechanics I	Prof. P. Ramadevi	IITB	IITB	12 Weeks
noc22-ph07	Physics	Group Theory methods in Physics	Prof. P. Ramadevi	IITB	IITB	12 Weeks
noc22-ph08	Physics	A brief course on Superconductivity	Prof. Saurabh Basu	IITG	IITG	4 Weeks
noc22-ph09	Physics	Advanced Condensed Matter Physics	Prof. Saurabh Basu	IITG	IITG	8 Weeks
noc22-ph10	Physics	Introduction to Atmospheric and Space Sciences	Prof. M V Sunil Krishna	IITR	IITR	12 Weeks
noc22-ph12	Physics	Physics through Computational Thinking	Prof. Auditya Sharma Prof. Ambar Jain	IISER Bhopal	IITM	8 Weeks
noc22-ph13	Physics	Advanced Atmospheric Physics	Prof. M V Sunil Krishna	IITR	IITR	12 Weeks
noc22-ph14	Physics, Chemistry	Advanced NMR Techniques in Solution and Solid-State	Prof. N. Suryaprakash	IISc	IISc	12 Weeks
noc22-ph15	Physics, Multidisciplinary	Quantum Technology and Quantum Phenomena in Macroscopic Systems	Prof. Amarendra Kumar Sarma	IITG	IITG	12 Weeks
noc22-ph16	Physics	Fluid Dynamics for Astrophysics	Prof. Prasad Subramanian	IISER Pune	IITM	12 Weeks
noc22-ph17	Physics	Quantum Transport	Prof. Madhu Thalakulam	IISER Thiruvananthapuram	IITM	12 Weeks
noc22-ph18	Physics	Nuclear Astrophysics	Prof. Anil Kumar Gourishetty	IITR	IITR	8 Weeks
noc22-ph19	Physics	Introduction to Laser	Prof. M R Shenoy	IITD	IITD	12 Weeks



[Signature]
Principal

J. D. College of Engineering & Management
Khandala, Katol Road
Nagpur-441501

noc22-ph20	Physics	Physics of linear and nonlinear optical waveguides	Prof. Samudra Roy	IITKGP	IITKGP	12 Weeks
noc22-ph21	Physics	Thermal physics	Prof. Debamalya Banerjee	IITKGP	IITKGP	12 Weeks
noc22-ee66	Applied Physics and Neurophysiology	Neural Science for Engineers	Prof. Vikas V	IISc & Nimhans	IISc	12 weeks
noc22-ph22	Physics	Statistical Mechanics	Prof. Dipanjan Chakraborty	IISER Mohali	IITM	12 Weeks
noc22-te01	Textile Engineering	Evaluation of Textiles Materials	Prof. Apurba Das	IITD	IITD	12 Weeks
noc22-te02	Textile Engineering	Testing of Functional and Technical Textiles	Prof. Apurba Das	IITD	IITD	8 Weeks
noc22-te03	Textile Engineering	Theory of Yarn Structure	Prof. Dipayan das	IITD	IITD	12 Weeks
noc22-te04	Textile Engineering	Advanced Textile Printing Technology	Prof. Kushal Sen	IITD	IITD	8 Weeks
noc22-te05	Textile Engineering	Textured Yarn Technology	Prof. Kushal Sen	IITD	IITD	12 Weeks
noc22-te06	Textile Engineering	Textile Product Design and Development	Prof. R Chattopadhyay	IITD	IITD	12 Weeks




Principal
J D College of Engineering & Management
Khandala, Katol Road
Nagpur-441501



JAIDEV EDUCATION SOCIETY'S
**J D COLLEGE OF ENGINEERING AND
MANAGEMENT**
KATOL ROAD, NAGPUR
(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 2021-22

Course Id	Discipline	Course Name	SME Name	Institute	Co-ordinating Institute	Duration
noc21-ae08	Aerospace Engineering	Aircraft Stability and Control	Prof. A. K. Ghosh	IITK	IITK	12 Weeks
noc21-ae09	Aerospace Engineering	Introduction to Airplane performance	Prof. A. K. Ghosh	IITK	IITK	8 Weeks
noc21-ae10	Aerospace Engineering	Introduction to Airbreathing Propulsion	Prof. Ashoke De	IITK	IITK	12 Weeks
noc21-ae11	Aerospace Engineering	Introduction to Aerospace Engineering	Prof. Rajkumar Pant	IITB	IITB	12 Weeks
noc21-ae12	Aerospace Engineering	Introduction to Aircraft Design	Prof. Rajkumar Pant	IITB	IITB	12 Weeks
noc21-ae13	Aerospace Engineering	Design of fixed wing Unmanned Aerial Vehicles	Prof. Saderla Subrahmanyam	IITK	IITK	8 Weeks
noc21-ae14	Aerospace Engineering	UAV Design - Part II	Prof. Saderla Subrahmanyam	IITK	IITK	8 Weeks
noc21-ae15	Aerospace Engineering	Vibration and Structural Dynamics	Prof. Mira Mitra	IITKGP	IITKGP	8 Weeks
noc21-ag01	Agriculture Engineering	Fundamentals of Food Process Engineering	Prof. Jayeeta Mitra	IITKGP	IITKGP	12 Weeks




Principal
J D College of Engineering & Management
Khandala, Katol Road
Nagpur-441501

noc22-ph20	Physics	Physics of linear and nonlinear optical waveguides	Prof. Samudra Roy	IITKGP	IITKGP	12 Weeks
noc22-ph21	Physics	Thermal physics	Prof. Debamalya Banerjee	IITKGP	IITKGP	12 Weeks
noc22-ee66	Applied Physics and Neurophysiology	Neural Science for Engineers	Prof. Vikas V	IISc & Nimhans	IISc	12 weeks
noc22-ph22	Physics	Statistical Mechanics	Prof. Dipanjan Chakraborty	IISER Mohali	IITM	12 Weeks
noc22-te01	Textile Engineering	Evaluation of Textiles Materials	Prof. Apurba Das	IITD	IITD	12 Weeks
noc22-te02	Textile Engineering	Testing of Functional and Technical Textiles	Prof. Apurba Das	IITD	IITD	8 Weeks
noc22-te03	Textile Engineering	Theory of Yarn Structure	Prof. Dipayan das	IITD	IITD	12 Weeks
noc22-te04	Textile Engineering	Advanced Textile Printing Technology	Prof. Kushal Sen	IITD	IITD	8 Weeks
noc22-te05	Textile Engineering	Textured Yarn Technology	Prof. Kushal Sen	IITD	IITD	12 Weeks
noc22-te06	Textile Engineering	Textile Product Design and Development	Prof. R Chattopadhyay	IITD	IITD	12 Weeks



Principal
 J D College of Engineering & Management
 Khandala, Katol Road
 Nagpur-441501



Principal
 J D College of Engineering & Management
 Khandala, Katol Road
 Nagpur-441501