

**JAI HIND COLLEGE BASANTSING INSTITUTE OF  
SCIENCE  
& J.T. LALVANI COLLEGE OF COMMERCE  
AND SHEILA GOPAL RAHEJA COLLEGE OF  
MANAGEMENT  
AUTONOMOUS  
'A' ROAD, CHURCHGATE, MUMBAI-400020**

Date: 19-07-  
2019

**NOTICE-DEGREE COLLEGE**

**AAA Activity**

Students are hereby informed that online courses on **SWAYAM** portal ([www.swayam.gov.in](http://www.swayam.gov.in)), a program initiated by government of India; are available for award of credit points towards AAA activity for 2 mandatory credits to be earned over the duration of the program. Interested students can register & enroll for online courses in different disciplines. On completion of the course, as per the passing requirements & on award of certificate by **NPTEL-SWAYAM**, successful candidates will be awarded points towards AAA activity according to the duration of the course as follows:

<b>Duration of course</b>	<b>Credit Points earned</b>
12 weeks	30
08 weeks	20
04 weeks	10

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For queries contact:

**Mr. Gokul Ganesan, Department of Chemistry**  
**([gokul.ganesan@jaihindcollege.edu.in](mailto:gokul.ganesan@jaihindcollege.edu.in))**

**Principal**  
Jai Hind College



## Civil Engineering

		Instructor	Institute	Start Date	Exam Date
01.	Foundation Engineering	Prof. Kousik Deb	IITKgp	29-Jul-19	16-Nov-19
02.	Design of Masonry Structures	Prof. Arun Menon	IITM	29-Jul-19	16-Nov-19
03.	Design of Reinforced Concrete Structures	Prof. Nirjhar Dhang	IITKgp	29-Jul-19	16-Nov-19
04.	Wastewater Treatment and Recycling	Prof. Manoj Kumar Tiwari	IITKgp	29-Jul-19	16-Nov-19
05.	Environmental Geotechnics	Prof. D. N. Singh	IITB	29-Jul-19	16-Nov-19
06.	Sustainable Materials and Green Buildings	Prof. B Bhattacharjee	IITD	29-Jul-19	16-Nov-19
07.	Glass In Buildings : Design And Applications	Prof. K N Satyanarayana & Prof. E Rajasekar	IITM & Glass Academy	29-Jul-19	16-Nov-19
08.	Strength of Materials	Prof. Sriman Kumar Bhattacharyya	IITKgp	29-Jul-19	17-Nov-19
09.	Concrete Technology	Prof. B Bhattacharjee	IITD	29-Jul-19	17-Nov-19
10.	Design of steel structures	Prof. Damodar Maiti	IITKgp	29-Jul-19	17-Nov-19
11.	Structural analysis-I	Prof. Amit Shaw	IITKgp	29-Jul-19	17-Nov-19
12.	Integrated Waste Management for a Smart City	Prof. Brajesh Kumar Dubey	IITKgp	29-Jul-19	17-Nov-19
13.	Glass Processing Technology	Prof. K N Satyanarayana & Prof. E Rajasekar	IITM & Glass Academy	29-Jul-19	17-Nov-19
14.	Advanced Concrete Technology	Prof. Manu Santhanam	IITM	29-Jul-19	17-Nov-19
15.	Principles of Construction Management	Prof. Sudhir Misra	IITK	29-Jul-19	29-Sep-19
16.	Project Planning & Control	Prof. Koshy Varghese	IITM	29-Jul-19	29-Sep-19
17.	Matrix Method of Structural Analysis	Prof. Amit Shaw & Prof. Biswanath Banerjee	IITKgp	29-Jul-19	29-Sep-19
18.	Fluid Mechanics	Prof. Subashisa Dutta	IITG	26-Aug-19	16-Nov-19
19.	Remote Sensing and Digital Image Processing of Satellite Data	Prof. Arun K. Saraf	IITR	26-Aug-19	16-Nov-19
20.	Photogeology in Terrain Evaluation (Part-1 and 2)	Prof. Javed N. Malik	IITK	26-Aug-19	17-Nov-19
21.	Remote Sensing and GIS	Prof. Rishikesh Bharti	IITG	26-Aug-19	17-Nov-19
22.	Geosynthetics Testing Laboratory	Prof. J. N. Mandal	IITB	29-Jul-19	29-Sep-19
23.	Geotechnical Engineering Laboratory	Prof. J. N. Mandal	IITB	29-Jul-19	29-Sep-19
24.	GPS Surveying	Prof. Jayanta Kumar Ghosh	IITR	29-Jul-19	29-Sep-19
25.	Reinforced Concrete Road Bridges	Prof. Nirjhar Dhang	IITKgp	26-Aug-19	16-Nov-19
26.	Scheduling Techniques in Projects	Prof. J. Uma Maheswari	IITD	26-Aug-19	16-Nov-19
27.	Structural Dynamics for Civil Engineers – SDOF systems	Prof. Riya Catherine George	IITK	26-Aug-19	17-Nov-19

## Architecture

01.	Role of Craft and Technology in Interior - Architecture	Prof. Smriti Saraswat	IITR	29-Jul-19	29-Sep-19
02.	Architectural Acoustics	Prof. Sumana Gupta and Prof. Sankha Pratim Bhattacharya	IITKgp	26-Aug-19	16-Nov-19
03.	Contemporary Architecture and Design	Prof. Saptarshi Kolay	IITR	26-Aug-19	16-Nov-19
04.	Disaster Recovery And Build Back Better	Prof. Ram Sateesh Pasupuleti & Prof. Subhojyothi Samaddar	IITR	26-Aug-19	17-Nov-19
05.	Culturally Responsive Built Environments	Prof. Ram Sateesh Pasupuleti	IITR	26-Aug-19	17-Nov-19

## Earth Sciences

01.	Structural Geology	Prof. Santanu Misra	IITK	29-Jul-19	17-Nov-19
02.	Geomorphic Processes: Landforms and Landscapes	Prof. Javed N. Malik	IITK	26-Aug-19	17-Nov-19
03.	Global Navigation Satellite Systems And Applications	Prof. Arun K. Saraf	IITR	29-Jul-19	29-Sep-19

## Ocean Engineering

01.	HSE Practices for Offshore and Petroleum Industries	Prof. Srinivasan Chandrasekaran	IITM	29-Jul-19	16-Nov-19
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## Agriculture and Food Engineering

01.	Fundamentals of Food Process Engineering	Prof. Jayeeta Mitra	IITKgp	29-Jul-19	16-Nov-19
02.	Dairy and Food process and products technology	Prof. Tridib Kumar Goswami	IITKgp	29-Jul-19	16-Nov-19
03.	Thermal Processing of Foods	Prof. R. Anandalakshmi	IITG	29-Jul-19	16-Nov-19
04.	Farm Machinery	Prof. VK Tewari	IITKgp	29-Jul-19	17-Nov-19
05.	Irrigation and Drainage	Prof. Damodhara Rao Mailapalli	IITKgp	29-Jul-19	17-Nov-19
06.	Thermal Operations in Food Process Engineering: Theory and Applications	Prof. Tridib Kumar Goswami	IITKgp	29-Jul-19	17-Nov-19
07.	Organic Farming for Sustainable Agricultural Production	Prof. Dilip Kumar Swain	IITKgp	29-Jul-19	29-Sep-19







## Computer Science and Engineering

	Instructor	Institute	Start Date	Exam Date	
01.	An Introduction To Programming Through C++	Prof. Abhiram Ranade	IITB	29-Jul-19	17-Nov-19
02.	The Joy of Computing using Python	Prof. Sudarshan Iyengar	IITRopar	29-Jul-19	17-Nov-19
03.	Problem Solving through Programming in C	Prof. Anupam Basu	IITKgp	29-Jul-19	16-Nov-19
04.	Programming In Java	Prof. Debasis Samanta	IITKgp	29-Jul-19	16-Nov-19
05.	Discrete Mathematics	Prof. Sajith Gopalan, Prof. Benny George K	IITG	29-Jul-19	17-Nov-19
06.	Discrete Mathematics	Prof. Sudarshan Iyengar	IITRopar	29-Jul-19	17-Nov-19
07.	Deep Learning	Prof. Prabir Kumar Biswas	IITKgp	29-Jul-19	16-Nov-19
08.	Deep Learning - Part 1	Prof. Sudarshan Iyengar Prof. Mitesh M. Khapra	IITM & IIT Ropar	29-Jul-19	16-Nov-19
09.	Introduction to Machine Learning	Prof. Balaraman Ravindran	IITM	29-Jul-19	17-Nov-19
10.	Applied Natural Language Processing	Prof. Ramaseshan R	CMI	29-Jul-19	16-Nov-19
11.	Computer Vision	Prof. Jayanta Mukhopadhyay	IITKgp	29-Jul-19	16-Nov-19
12.	Blockchain Architecture Design and Use Cases	Prof. Sandip Chakraborty & Dr. Praveen Jayachandran	IITKgp & IBM	29-Jul-19	17-Nov-19
13.	Introduction to Internet of Things	Prof. Sudip Misra	IITKgp	29-Jul-19	17-Nov-19
14.	Social Networks	Prof. Poonam Saini Prof. Sudarshan Iyengar	PEC & IIT Ropar	29-Jul-19	16-Nov-19
15.	Reinforcement Learning	Prof. Balaraman Ravindran	IITM	29-Jul-19	16-Nov-19
16.	Ethical Hacking	Prof. Indranil Sengupta Prof. S. K Ghosh	IITKgp	29-Jul-19	16-Nov-19
17.	Software Engineering	Prof. Rajib Mall	IITKgp	29-Jul-19	17-Nov-19
18.	Software Project Management	Prof. Rajib Mall and Prof. Durga Prasad Mohapatra	IITKgp	29-Jul-19	16-Nov-19
19.	Software testing	Prof. Meenakshi D'souza	IITB	29-Jul-19	17-Nov-19
20.	Synthesis of Digital Systems	Prof. Preeti Ranjan Panda	IITD	29-Jul-19	17-Nov-19
21.	Switching Circuits and Logic Design	Prof. Indranil Sengupta	IITKgp	29-Jul-19	17-Nov-19
22.	Machine Learning for Engineering and Science Applications	Prof. Balaji Srinivasan and Prof. Ganapathy	IITM	29-Jul-19	17-Nov-19
23.	Artificial Intelligence Search Methods For Problem Solving	Prof. Deepak Khemani	IITM	29-Jul-19	16-Nov-19
24.	Natural Language Processing	Prof. Pawan Goyal	IITKgp	29-Jul-19	16-Nov-19
25.	Operating System Fundamentals	Prof. Santanu Chattopadhyay	IITKgp	29-Jul-19	17-Nov-19
26.	Programming in C++	Prof. Partha Pratim Das	IITKgp	29-Jul-19	29-Sep-19
27.	Programming, Data Structures And Algorithms Using Python	Prof. Madhavan Mukund	CMI	29-Jul-19	29-Sep-19
28.	Introduction to Programming in C	Prof. Satyadev Nandakumar	IITK	29-Jul-19	29-Sep-19
29.	Data Base Management System	Prof. Partha Pratim Das	IITKgp	29-Jul-19	29-Sep-19
30.	Introduction to Operating Systems	Prof. Chester Rebeiro	IITM	29-Jul-19	29-Sep-19
31.	Introduction to Machine Learning	Prof. Sudeshna Sarkar	IITKgp	29-Jul-19	29-Sep-19
32.	Data Science for Engineers	Prof. Ragnathan Rengasamy and Prof. Shankar Narasimhan	IITM	29-Jul-19	29-Sep-19
33.	Scalable Data Science	Prof. Anirban Dasgupta and Prof. Sourangshu Bhattacharya	IITKgp	29-Jul-19	29-Sep-19
34.	Advanced Computer Architecture	Prof. John Jose	IITG	29-Jul-19	29-Sep-19
35.	Theory of Computation	Prof. Raghunath Tewari	IITK	29-Jul-19	29-Sep-19
36.	Design and analysis of algorithms	Prof. Madhavan Mukund	CMI	26-Aug-19	17-Nov-19
37.	Object oriented analysis and design	Prof. Partha Pratim Das	IITKgp	26-Aug-19	16-Nov-19
38.	Cloud Computing	Prof. Soumya Kanti Ghosh	IITKgp	26-Aug-19	16-Nov-19
39.	Hardware modeling using verilog	Prof. Indranil Sengupta	IITKgp	26-Aug-19	16-Nov-19
40.	Spatial Informatics	Prof. Soumya K Ghosh	IITKgp	26-Aug-19	17-Nov-19
41.	Modern Algebra	Prof. Manindra Agrawal	IITK	26-Aug-19	17-Nov-19
42.	Introduction To Haskell Programming	Prof. Madhavan Mukund Prof. S. P Suresh	CMI	26-Aug-19	16-Nov-19
43.	Practical Machine Learning with Tensorflow	Mr. Ashish Tendulkar Prof. B. Ravindran	IITM & Google	26-Aug-19	16-Nov-19
44.	Human Computer Interactions	Prof. K.Ponnurangam	IITD	26-Aug-19	16-Nov-19
45.	C Programming and Assembly Language	Prof. Janakiraman Viraraghavan	IITM	29-Jul-19	29-Sep-19
46.	Demystifying networking	Prof. Sridhar Iyer	IITB	29-Jul-19	29-Sep-19
47.	Introduction to parallel programming in Open MP	Prof. Yogish Sabharwal	IITD	26-Aug-19	17-Nov-19
48.	Python for Data Science	Prof. Raghunathan Rengasamy	IITM	26-Aug-19	16-Nov-19

## Design Engineering

01.	System Design for Sustainability Methods for Boundary Value Problems	Prof. Sharmistha Banerjee	IITG	29-Jul-19	16-Nov-19
02.	Control systems	Prof. C.S.Shankar Ram	IITM	29-Jul-19	17-Nov-19
03.	Ergonomics In Automotive Design	Prof. Sougata Karmakar	IITG	29-Jul-19	29-Sep-19
04.	Ergonomics Workplace Analysis	Prof. Urmil R. Salve	IITG	29-Jul-19	29-Sep-19







## Electrical Engineering

	Instructor	Institute	Start Date	Exam Date	
01.	<b>Mapping Signal Processing Algorithms to Architectures</b>	Prof. Nitin Chandrachoodan	IITM	29-Jul-19	16-Nov-19
02.	<b>Fundamentals of Electrical Engineering</b>	Prof. Debapriya Das	IITKgp	29-Jul-19	16-Nov-19
03.	<b>Power Electronics</b>	Prof. G.Bhuvaneshwari	IITD	29-Jul-19	16-Nov-19
04.	<b>Fabrication Techniques for MEMs - based sensors: Clinical Perspective</b>	Prof. Hardik J Pandya Prof Chandramani Kishore Singh	IISc	29-Jul-19	16-Nov-19
05.	<b>Sensors and Actuators</b>	Prof. Hardik J Pandya	IISc	29-Jul-19	16-Nov-19
06.	<b>Linear System Theory</b>	Prof. Ramakrishna Pasumarthy	IITM	29-Jul-19	16-Nov-19
07.	<b>Electrical Measurement and Electronic Instruments</b>	Prof. Avishek Chatterjee	IITKgp	29-Jul-19	16-Nov-19
08.	<b>Analog Communication</b>	Prof. Goutam Das	IITKgp	29-Jul-19	16-Nov-19
09.	<b>Digital Circuits</b>	Prof. Santanu Chattopadhyay	IITKgp	29-Jul-19	16-Nov-19
10.	<b>Pattern Recognition and Application</b>	Prof. Prabir Kumar Biswas	IITKgp	29-Jul-19	16-Nov-19
11.	<b>Principles and Techniques of Modern Radar Systems</b>	Prof. Amitabha Bhattacharya	IITKgp	29-Jul-19	16-Nov-19
12.	<b>Fiber-Optic Communication Systems and Techniques</b>	Prof. K. Pradeep Kumar	IITK	29-Jul-19	16-Nov-19
13.	<b>Microwave Engineering</b>	Prof. Ratnajit Bhattacharjee	IITG	29-Jul-19	16-Nov-19
14.	<b>Introduction to Computer Vision</b>	Prof. Brejesh Lall	IITD	29-Jul-19	17-Nov-19
15.	<b>Basic Electric Circuits</b>	Prof. Ankush Sharma	IITK	29-Jul-19	17-Nov-19
16.	<b>Analog Electronic Circuit</b>	Prof. Shouribrata Chatterjee	IITD	29-Jul-19	17-Nov-19
17.	<b>Op-Amp Practical Applications: Design, Simulation and Implementation</b>	Prof. Hardik J Pandya Prof. Chandramani Kishore Singh	IISc	29-Jul-19	17-Nov-19
18.	<b>Control Engineering</b>	Prof. Ramkrishna Pasumarthy	IITM	29-Jul-19	17-Nov-19
19.	<b>Introduction to Wireless and Cellular Communications</b>	Prof. David Koilpillai	IITM	29-Jul-19	17-Nov-19
20.	<b>Digital Signal Processing</b>	Prof. C. S. Ramalingam	IITM	29-Jul-19	17-Nov-19
21.	<b>Neural Networks for Signal Processing – I</b>	Prof. Shayan Srinivasa Garani	IISc	29-Jul-19	17-Nov-19
22.	<b>Microelectronics: Devices To Circuits</b>	Prof. Sudeb Dasgupta	IITR	29-Jul-19	17-Nov-19
23.	<b>Digital Image Processing</b>	Prof. Prabir Kumar Biswas	IITKgp	29-Jul-19	17-Nov-19
24.	<b>Microwave Theory and Techniques</b>	Prof. Girish Kumar	IITB	29-Jul-19	17-Nov-19
25.	<b>Computational Electromagnetics</b>	Prof. Uday Khankhoje	IITM	29-Jul-19	17-Nov-19
26.	<b>Electrical Machines - I</b>	Prof. Tapas Kumar Bhattacharya	IITKgp	29-Jul-19	17-Nov-19
27.	<b>Power System Analysis</b>	Prof. Debapriya Das	IITKgp	29-Jul-19	17-Nov-19
28.	<b>Electrical Machines</b>	Prof. G.Bhuvaneshwari	IITD	29-Jul-19	17-Nov-19
29.	<b>Advanced Linear Continuous Control Systems: Applications with MATLAB Programming and Simulink</b>	Prof. Yogesh Vijay Hote	IITR	29-Jul-19	29-Sep-19
30.	<b>Electrical Distribution System Analysis</b>	Prof. G. B. Kumbhar	IITR	29-Jul-19	29-Sep-19
31.	<b>DC Microgrid</b>	Prof. Avik Bhattacharya	IITR	29-Jul-19	29-Sep-19
32.	<b>Introduction to Smart Grid</b>	Prof. N. P. Padhy & Prof. Premalata Jena	IITR	29-Jul-19	29-Sep-19
33.	<b>Fundamentals of Electric Drives</b>	Prof. Shyama Prasad Das	IITK	29-Jul-19	29-Sep-19
34.	<b>Principles of Communication Systems - Part II</b>	Prof. Aditya K. Jagannatham	IITK	26-Aug-19	16-Nov-19
35.	<b>Digital Switching - I</b>	Prof. Y.N.Singh	IITK	26-Aug-19	16-Nov-19
36.	<b>Principles of Modern CDMA/ MIMO/ OFDM Wireless Communications</b>	Prof. Aditya K. Jagannatham	IITK	26-Aug-19	17-Nov-19

## Biotechnology & Bioengineering

01.	<b>Genetic Engineering: Theory and Application</b>	Prof. Vishal Trivedi	IITG	29-Jul-19	16-Nov-19
02.	<b>Industrial Biotechnology</b>	Prof. Debabrata Das	IITKgp	29-Jul-19	16-Nov-19
03.	<b>Drug Delivery: Principles and Engineering</b>	Prof. Rachit Agarwal	IISc	29-Jul-19	16-Nov-19
04.	<b>Introduction to Proteogenomics</b>	Prof. Sanjeeva Srivastava	IITB	29-Jul-19	17-Nov-19
05.	<b>Fundamentals of micro and nanofabrication</b>	Prof Sushobhan Avasti Prof. Shankar Selvaraja	IISc	29-Jul-19	17-Nov-19
06.	<b>Principles Of Downstream Techniques In Bioprocess</b>	Prof. Mukesh Doble	IITM	29-Jul-19	17-Nov-19
07.	<b>Bioenergy</b>	Prof. Mainak Das	IITK	29-Jul-19	29-Sep-19
08.	<b>Introduction to Biostatistics</b>	Prof. Shamik Sen	IITB	29-Jul-19	29-Sep-19
09.	<b>Computer Aided Drug Design</b>	Prof. Mukesh Doble	IITM	29-Jul-19	29-Sep-19
10.	<b>Introduction to Mechanobiology</b>	Prof. Shamik Sen	IITB	29-Jul-19	29-Sep-19
11.	<b>WildLife Conservation</b>	Prof. Ankur Awadhiya	IITK	29-Jul-19	29-Sep-19
12.	<b>Nanotechnology in Agriculture</b>	Prof. Mainak Das	IITK	26-Aug-19	16-Nov-19
13.	<b>Introduction To Proteomics</b>	Prof. Sanjeeva Srivastava	IITB	26-Aug-19	16-Nov-19
14.	<b>Tissue Engineering</b>	Prof. Vignesh Muthuvijayan	IITM	26-Aug-19	16-Nov-19
15.	<b>Plant Cell Bioprocessing</b>	Prof. Smita Srivastava	IITM	26-Aug-19	17-Nov-19
16.	<b>Biomedical nanotechnology</b>	Prof. P. Gopinath	IITR	26-Aug-19	16-Nov-19
17.	<b>Plant Developmental Biology</b>	Prof. Shri Ram Yadav	IITR	26-Aug-19	17-Nov-19
18.	<b>Functional Genomics</b>	Prof. S. Ganesh	IITK	26-Aug-19	17-Nov-19
19.	<b>Biomicrofluidics</b>	Prof. Tapas Kumar Maiti & Prof. Suman Chakraborty	IITKgp	26-Aug-19	17-Nov-19

12 Week 08 Week 04 Week

**ENROLLMENT IS FREE !!**







## Humanities and Social Sciences

	Instructor	Institute	Start Date	Exam Date	
01.	Soft skills	Prof. Binod Mishra	IITR	29-Jul-19	16-Nov-19
02.	Appreciating Linguistics: A typological approach	Prof. Anindita	IITM	29-Jul-19	16-Nov-19
03.	Applied Linguistics	Prof. Rajesh Kumar	IITM	29-Jul-19	16-Nov-19
04.	Short Fiction in Indian Literature	Prof. Divya A	IITM	29-Jul-19	16-Nov-19
05.	German-I	Prof. Milind Brahme	IITM	29-Jul-19	16-Nov-19
06.	Introduction to Japanese Language and Culture	Prof. Vatsala Misra	IITK	29-Jul-19	16-Nov-19
07.	Text, Textuality and Digital Media	Prof. Arjun Ghosh	IITD	29-Jul-19	16-Nov-19
08.	Introduction to Film studies	Prof. Aysha Iqbal	IITM	29-Jul-19	16-Nov-19
09.	Patent Law For Engineers And Scientists	Prof. Feroze Ali	IITM	29-Jul-19	16-Nov-19
10.	History of English Language and Literature	Prof. Merin Simi Raj	IITM	29-Jul-19	17-Nov-19
11.	Indian Fiction in English	Prof. Merin Simi Raj	IITM	29-Jul-19	17-Nov-19
12.	German-II	Prof. Milind Brahme	IITM	29-Jul-19	17-Nov-19
13.	Technical English for Engineers	Prof. Aysha Iqbal	IITM	29-Jul-19	29-Sep-19
14.	Interpersonal Skills	Prof. Smita Jha	IITR	29-Jul-19	29-Sep-19
15.	The Psychology Of Language	Prof. Naveen Kashyap	IITG	29-Jul-19	29-Sep-19
16.	Disability Studies: an introduction	Prof. Hemachandran Karah	IITM	29-Jul-19	29-Sep-19
17.	Development Research Methods	Prof. Rajshree Bedamatta	IITG	29-Jul-19	29-Sep-19
18.	Folk And Minor Art In India	Prof. Shatarupa Thakruta Roy	IITK	29-Jul-19	29-Sep-19
19.	Positive Psychology	Prof. Kamlesh Singh	IITD	29-Jul-19	29-Sep-19
20.	Consumer Psychology	Prof. Naveen Kashyap	IITG	29-Jul-19	29-Sep-19
21.	Developing Soft Skills and Personality	Prof. T Ravichandran	IITK	26-Aug-19	17-Nov-19
22.	Ethics in Engineering Practice	Prof. Susmita Mukhopadhyay	IITKgp	26-Aug-19	17-Nov-19
23.	Energy Economics And Policy	Prof. Shyamasree Dasgupta	IIT Mandi	26-Aug-19	17-Nov-19
24.	Intermediate Level of Spoken Sanskrit	Prof. Anuradha Choudry	IITKGP	26-Aug-19	17-Nov-19
25.	Body language: Key to professional Success	Prof. Rashmi Gaur	IITR	29-Jul-19	29-Sep-19
26.	Artistic Exploration in Scientific Research And Technology	Prof. Bitasta Das	IISc	29-Jul-19	29-Sep-19
27.	The Victorian Gothic Short Story	Prof. Divya A	IITM	29-Jul-19	29-Sep-19
28.	Cognition, Transformation and Lives	Prof. Alok Bajpai	IITK	29-Jul-19	29-Sep-19
29.	Psychology of Everyday	Prof. Braj Bhushan & Dr. Alok Bajpai	IITK	29-Jul-19	29-Sep-19
30.	Patent Drafting For Beginners	Prof. Feroze Ali	IITM	29-Jul-19	29-Sep-19
31.	Population Studies	Prof. A. K. Sharma	IITK	26-Aug-19	16-Nov-19
32.	Gender Justice and Workplace Security	Prof. Dipa Dube	IITKgp	26-Aug-19	16-Nov-19
33.	Visual Perception and Art: A Survey Across the Cultures	Prof. Soumik Nandy Majumdar	IITK	26-Aug-19	16-Nov-19
34.	Inclusion and Technology Design	Prof. Bidisha and Prof.Amit Prakash	IITB	26-Aug-19	17-Nov-19
35.	Water, Society and Sustainability	Prof. Jenia Mukherjee	IITKgp	26-Aug-19	17-Nov-19

## Multidisciplinary

01.	Neuroscience of Human Movements	Prof. Varadhan	IITM	29-Jul-19	16-Nov-19
02.	Numerical Methods for Engineers	Prof. Niket Kaisare	IITM	29-Jul-19	16-Nov-19
03.	Introduction to Environmental Engineering and Science - Fundamental and Sustainability Concepts	Prof. Brajesh Kumar Dubey	IITKgp	29-Jul-19	17-Nov-19
04.	TALE 2: Course Design and Instruction of Engineering Course	Prof. N J Rao and Prof K Rajani Kanth	IISc	29-Jul-19	29-Sep-19
05.	Health Research Fundamentals	Prof. Sanjay Mehendale and Team	NIE	29-Jul-19	29-Sep-19
06.	Manage TB	Prof. Mohan Natrajan & Dr. VV Banu Rekha	NIRT	29-Jul-19	29-Sep-19
07.	Game Theory	Prof. K.S. Mallikarjuna Rao	IITB	29-Jul-19	29-Sep-19
08.	Accreditation and Outcome based Learning	Prof. AK Ray (Retd.) and Prof. SK Das Mandal	IITKgp	26-Aug-19	17-Nov-19
09.	Introduction to Research	Prof. Prathap Haridoss	IITM	26-Aug-19	17-Nov-19
10.	Ecology and Environment	Prof. Abhijit Deshpande & Prof. R. Ravi Krishna	IITM	26-Aug-19	17-Nov-19
11.	Teaching And Learning in General Programs: TALG	Prof. N J Rao	IISc	29-Jul-19	29-Sep-19
12.	Designing Learner-Centric MOOCs	Prof. Sridhar Iyer and Team	IITB	29-Jul-19	29-Sep-19
13.	Introduction To Learning Analytics	Prof. Ramkumar Rajendran	IITB	29-Jul-19	29-Sep-19
14.	Stress Management	Prof. Rajlakshmi Guha	IITKgp	29-Jul-19	29-Sep-19
15.	Designing learner-centric e-learning in STEM disciplines	Prof. Sahana Murthy	IITB	29-Jul-19	29-Sep-19
16.	Sustainable and Affordable Sanitation Solutions For Small Towns: Policy, Planning and Practice	Prof. N. C Narayanan	IITB	29-Jul-19	29-Sep-19
17.	Biology for engineers and other non-biologists	Prof. Suraishkumar & Prof. Madhulika Dixit	IITM	29-Jul-19	29-Sep-19

12 Week 08 Week 04 Week

**ENROLLMENT IS FREE !!**







## Management

	Instructor	Institute	Start Date	Exam Date	
01.	Management Accounting	Prof. Anil K. Sharma	IITR	29-Jul-19	16-Nov-19
02.	Financial Derivatives & Risk Management	Prof. J. P. Singh	IITR	29-Jul-19	16-Nov-19
03.	Data Analysis & Decision Making - III	Prof. Raghu Nandan Sengupta	IITK	29-Jul-19	16-Nov-19
04.	Human Resource Development	Prof. KBL Srivastava	IITKgp	29-Jul-19	16-Nov-19
05.	Performance and Reward Management	Prof. Sushmita Mukhopadhyay	IITKgp	29-Jul-19	16-Nov-19
06.	E-Business	Prof. Mamata Jenamani	IITKgp	29-Jul-19	16-Nov-19
07.	Project Management for Managers	Prof. Mukesh Kumar Barua	IITR	29-Jul-19	17-Nov-19
08.	Training Of Trainers	Prof. Santosh Rangnekar	IITR	29-Jul-19	17-Nov-19
09.	Working Capital Management	Prof. Anil K. Sharma	IITR	29-Jul-19	17-Nov-19
10.	Project Management	Prof. Raghu Nandan Sengupta	IITK	29-Jul-19	29-Sep-19
11.	Knowledge Management	Prof. K B L Srivastava	IITKgp	29-Jul-19	29-Sep-19
12.	Educational Leadership	Prof. Atasi Mohanty	IITKgp	29-Jul-19	29-Sep-19
13.	Financial Accounting	Prof. Varadraj Bapat	IITB	29-Jul-19	29-Sep-19
14.	Decision making using financial accounting	Prof. G Arun Kumar	IITM	29-Jul-19	29-Sep-19
15.	Business Analytics & Text Mining Modeling Using Python	Prof. Gaurav Dixit	IITR	29-Jul-19	29-Sep-19
16.	Marketing Management-I	Prof. Jayanta Chatterjee & Prof. Shashi Shekhar Mishra	IITK	29-Jul-19	29-Sep-19
17.	Economics of Health and Health Care	Prof. Angan Sengupta	IITK	29-Jul-19	29-Sep-19
18.	Corporate Social Responsibility	Prof. Aradhna Malik	IITKgp	29-Jul-19	29-Sep-19
19.	The Ethical Corporation	Prof. Chhanda Chakraborti	IITKgp	29-Jul-19	29-Sep-19
20.	Intellectual Property Rights and Competition Law	Prof. KD Raju & Prof. Niharika Sahoo Bhattacharya	IITKgp	29-Jul-19	29-Sep-19
21.	Patent Search for Engineers and Lawyers	Prof. M Padmavati & Prof. Shreya Matilal	IITKgp	29-Jul-19	29-Sep-19
22.	Practitioners Course In Descriptive, Predictive And Prescriptive Analytics	Prof. Deepu Philip / Prof. Amandeep Singh / Mr.Sanjeev Newar	IITK	26-Aug-19	16-Nov-19
23.	Toyota Production System	Prof. Rajat Agarwal	IITR	26-Aug-19	16-Nov-19
24.	Marketing research and analysis	Prof. J.K.Nayak	IITR	26-Aug-19	17-Nov-19
25.	Innovation, Business Models and Entrepreneurship	Prof. Rajat Agarwal, Prof. Vinay Sharma	IITR	26-Aug-19	17-Nov-19
26.	Leadership	Prof. Kalyan Chakravarti and Prof. Tuheena Mukherjee	IITKgp	29-Jul-19	29-Sep-19
27.	Cost Accounting	Prof. Varadraj Bapat	IITB	29-Jul-19	29-Sep-19
28.	Business Analytics & Data Mining Modeling Using R Part II	Prof. Gaurav Dixit	IITR	29-Jul-19	29-Sep-19
29.	Design Thinking - A Primer	Prof. Ashwin Mahalingam Prof. Bala Ramadurai	IITM	29-Jul-19	29-Sep-19
30.	Decision-Making Under Uncertainty	Prof. N. Gautam	Texas A&M Univ.	26-Aug-19	17-Nov-19

## Chemical Engineering

01.	Chemical Engineering Thermodynamics	Prof. Jayant K. Singh	IITK	29-Jul-19	16-Nov-19
02.	Chemical Process Intensification	Prof. Subrata Kumar Majumder	IITG	29-Jul-19	16-Nov-19
03.	Flow through porous media	Prof. Somenath Ganguly	IITKgp	29-Jul-19	16-Nov-19
04.	Heat Transfer	Prof. Sunando Dasgupta	IITKgp	29-Jul-19	16-Nov-19
05.	Introduction to Polymer Physics	Prof. Prateek Kumar Jha	IITR	29-Jul-19	16-Nov-19
06.	Fundamentals of Particle and Fluid Solid Processing	Prof. Arnab Atta	IITKgp	29-Jul-19	16-Nov-19
07.	Mass Transfer Operations II	Prof. Chandan Das	IITG	29-Jul-19	16-Nov-19
08.	Chemical Process Safety	Prof. Shishir Sinha	IITR	29-Jul-19	17-Nov-19
09.	Chemical Reaction Engineering-I	Prof. Bishnupada Mandal	IITG	29-Jul-19	17-Nov-19
10.	Fluid and Particle Mechanics	Prof. Sumesh & Prof. Basavaraju	IITM	29-Jul-19	17-Nov-19
11.	Continuum Mechanics and Transport Phenomena	Prof. T. Renganathan	IITM	29-Jul-19	17-Nov-19
12.	Mechanical Unit Operations	Prof. Nanda Kishore	IITG	29-Jul-19	17-Nov-19
13.	Natural Gas Engineering	Prof. Pankaj Tiwari	IITG	29-Jul-19	29-Sep-19
14.	Phase Equilibrium Thermodynamics	Prof. Gargi Das	IITKgp	29-Jul-19	29-Sep-19
15.	Technologies For Clean And Renewable Energy Production	Prof. P. Mondal	IITR	29-Jul-19	29-Sep-19
16.	Infrared Spectroscopy for Pollution Monitoring	Prof. J R Mudakavi	IISc	29-Jul-19	29-Sep-19
17.	Unit operations of particulate matter	Prof. Shabina Khanam	IITR	29-Jul-19	29-Sep-19

## Textile Technology

01.	Textile Finishing	Prof. Kushal Sen	IITD	29-Jul-19	16-Nov-19
02.	Science of Clothing Comfort	Prof. Apurba Das	IITD	29-Jul-19	16-Nov-19
03.	Principles of Combing, Roving preparation & Ring spinning	Prof. R Chattopadhyay	IITD	29-Jul-19	17-Nov-19
04.	Science and Technology of Weft and Warp Knitting	Prof. Bipin Kumar	IITD	29-Jul-19	17-Nov-19
05.	Yarn manufacture I : Principle of Carding and Drawing	Prof. R Chattopadhyay	IITD	29-Jul-19	29-Sep-19







## Mathematics

	Instructor	Institute	Start Date	Exam Date
01. Mathematical Finance	Prof. N. Selvaraju, Prof. Siddhartha Pratim Chakrabarty	IITG	29-Jul-19	16-Nov-19
02. Introduction to Fuzzy Set Theory, Arithmetic and Logic	Prof. Niladri Chatterjee	IITD	29-Jul-19	16-Nov-19
03. Regression Analysis	Prof. Soumen Maity	IISER PUNE	29-Jul-19	16-Nov-19
04. Introduction to Methods of Applied Mathematics	Prof. Mani Mehra, Prof. Vivek Kumar Aggarwal	IITD	29-Jul-19	16-Nov-19
05. Integral Transforms And Their Applications	Prof. Sarthok Sircar	IITD	29-Jul-19	17-Nov-19
06. Higher Engineering Mathematics	Prof. P. N. Agarwal	IITR	29-Jul-19	17-Nov-19
07. Stochastic Processes	Prof. S. Dharmaraja	IITD	29-Jul-19	17-Nov-19
08. Calculus of One Real Variable	Prof. Joydeep Dutta	IITK	29-Jul-19	29-Sep-19
09. Operations Research	Prof. Kusumdeep	IITR	29-Jul-19	29-Sep-19
10. Numerical methods	Prof. Ameeya Kumar Nayak and Prof. Sanjeev Kumar	IITR	26-Aug-19	16-Nov-19
11. Introduction to Abstract and Linear Algebra	Prof. Sourav Mukhopadhyay	IITKgp	26-Aug-19	16-Nov-19
12. Introduction to Abstract Group Theory	Prof. Krishna Hanumanthu	CMI	26-Aug-19	16-Nov-19
13. Calculus of Several Real Variables	Prof. Joydeep Dutta	IITK	26-Aug-19	17-Nov-19
14. Introduction To Rings And Fields	Prof. Krishna Hanumanthu	CMI	26-Aug-19	17-Nov-19
15. Matrix Analysis with Applications	Prof. S.K.Gupta, Prof. Sanjeev Kumar	IITR	26-Aug-19	17-Nov-19
16. Introduction to R Software	Prof. Shalabh	IITK	26-Aug-19	17-Nov-19
17. Mathematical Methods for Boundary Value Problems	Prof. Somnath Bhattacharya	IITKgp	29-Jul-19	29-Sep-19

## Physics

01. Experimental Physics - II	Prof. Amal Kumar Das	IITKgp	29-Jul-19	16-Nov-19
02. Physics of Turbulence	Prof. Mahendra K. Verma	IITK	29-Jul-19	16-Nov-19
03. Solid State Physics	Prof. Amal Kumar Das	IITKgp	29-Jul-19	17-Nov-19
04. Computational Physics	Prof. Apratim Chatterji Prof. Prasenjit Ghosh	IISER Pune	29-Jul-19	17-Nov-19
05. Waves and Oscillations	Prof. M. S. Santhanam	IISER Pune	29-Jul-19	17-Nov-19
06. Introduction to Electromagnetic Theory	Prof. Manoj Harbola	IITK	29-Jul-19	29-Sep-19
07. Solar Photovoltaics Fundamentals, Technology And Applications	Prof. Soumitra SataPathi	IITR	29-Jul-19	29-Sep-19
08. Theoretical Mechanics	Prof. Charudatt Kadolkar	IITG	29-Jul-19	29-Sep-19
09. Path Integral and functional methods in quantum field theory	Prof. Yajnik	IITB	29-Jul-19	29-Sep-19
10. Introduction To Statistical Mechanics	Prof. Girish S. Setlur	IITG	26-Aug-19	16-Nov-19
11. Numerical Methods And Simulation Techniques For Scientists And Engineers	Prof. Saurabh Basu	IITG	26-Aug-19	17-Nov-19

## Chemistry and Biochemistry

01. Organic Chemistry in Biology and Drug Development	Prof. Amit Basak	IITKgp	29-Jul-19	16-Nov-19
02. Principles Of Organic Synthesis	Prof. T Punniyamurthy	IITG	29-Jul-19	16-Nov-19
03. Reagents In Organic Synthesis	Prof. Subhas Chandra Pan	IITG	29-Jul-19	16-Nov-19
04. Spectroscopic Techniques for Pharmaceutical and Biopharmaceutical Industries	Prof. Shashank Deep	IITD	29-Jul-19	16-Nov-19
05. NMR spectroscopy for Chemists and Biologists	Prof. Ashutosh Kumar and Prof. R. V Hosur	IITB	29-Jul-19	16-Nov-19
06. Quantum Computing	Prof. Debabrata Goswami	IITK	29-Jul-19	16-Nov-19
07. Thermodynamics: Classical to Statistical	Prof. Sandip Paul	IITG	29-Jul-19	16-Nov-19
08. Analytical Chemistry	Prof. Debashis Ray	IITKgp	29-Jul-19	17-Nov-19
09. Coordination Chemistry	Prof. Debashis Ray	IITKgp	29-Jul-19	17-Nov-19
10. Ultrafast Optics and Spectroscopy	Prof. Atanu Bhattacharya	IISc	29-Jul-19	17-Nov-19
11. Biophysical Chemistry	Prof. Pramit Kumar Chowdhury	IITD	29-Jul-19	17-Nov-19
12. Chemical Crystallography	Prof. Angshuman Roy Choudhury	IISER Mohali	29-Jul-19	17-Nov-19
13. Mechanisms in Organic Chemistry	Prof. Nandita Madhavan	IITB	29-Jul-19	29-Sep-19
14. Stereochemistry	Prof. Amit Basak	IITKgp	29-Jul-19	29-Sep-19
15. Metals In Biology	Prof. D. Maiti	IITB	29-Jul-19	29-Sep-19
16. Introductory Organic Chemistry I	Prof. Neeraja Dashaputre Prof. Harinath Chakrapani	IISER Pune	26-Aug-19	17-Nov-19
17. Bioinorganic Chemistry	Prof. S. P. Rath	IITK	26-Aug-19	16-Nov-19
18. Introductory Non-Linear Dynamics	Prof. Ramakrishna Ramaswamy	IITD	26-Aug-19	17-Nov-19

## Aerospace Engineering

01. Introduction to Rocket Propulsion	Prof. D. P. Mishra	IITK	29-Jul-19	16-Nov-19
02. Introduction to Aerospace Engineering	Prof. Rajkumar Pant	IITB	29-Jul-19	17-Nov-19
03. Aircraft Stability And Control	Prof. A.K. Ghosh	IITK	29-Jul-19	17-Nov-19
04. Introduction to Ancient Indian Technology	Prof. D.P.Mishra	IITK	29-Jul-19	29-Sep-19
05. Design of fixed wing Unmanned Aerial Vehicles	Prof. Saderla Subrahmanyam	IITK	26-Aug-19	17-Nov-19
06. Vibration and Structural Dynamics	Prof. Mira Mitra	IITKgp	26-Aug-19	17-Nov-19







## Mechanical Engineering

	Instructor	Institute	Start Date	Exam Date	
01.	Industrial Safety Engineering	Prof. Jhareswar Maiti	IITKgp	29-Jul-19	16-Nov-19
02.	Engineering Fracture Mechanics	Prof. K.Ramesh	IITM	29-Jul-19	16-Nov-19
03.	Solid Mechanics	Prof. Ajeet Kumar	IITD	29-Jul-19	16-Nov-19
04.	Mathematical Modeling Of Manufacturing Processes	Prof. Swarup Bag	IITG	29-Jul-19	16-Nov-19
05.	Advanced Concepts in Fluid Mechanics	Prof. Suman Chakraborty & Prof. Aditya Bandopadhyay	IITKgp	29-Jul-19	16-Nov-19
06.	Applied Thermodynamics For Engineers	Prof. Dipankar N. Basu	IITG	29-Jul-19	16-Nov-19
07.	Energy Conservation and Waste Heat Recovery	Prof. Prasanta Kumar Das & Prof. Anandaroop Bhattacharya	IITKgp	29-Jul-19	16-Nov-19
08.	Fundamentals of Gas Dynamics	Prof. Sameen. A	IITM	29-Jul-19	16-Nov-19
09.	Heat Exchangers: Fundamentals and Design Analysis	Prof. Prasanta Kumar Das & Prof. Indranil Ghosh	IITKgp	29-Jul-19	16-Nov-19
10.	Turbulent Combustion: Theory and Modelling	Prof. Ashok De	IITK	29-Jul-19	16-Nov-19
11.	Dynamic Behaviour Of Materials	Prof. Prasenjit Khanikar	IITG	29-Jul-19	16-Nov-19
12.	Plastic Working Of Metallic Materials	Prof. P.S. Robi	IITG	29-Jul-19	16-Nov-19
13.	Fundamentals of Surface Engineering: Mechanisms, Processes and Characterizations	Prof. D.K. Dwivedi	IITR	29-Jul-19	16-Nov-19
14.	Fundamentals Of Artificial Intelligence	Prof. Shyamanta M. Hazarika	IITG	29-Jul-19	16-Nov-19
15.	Engineering Mechanics	Prof. K.Ramesh	IITM	29-Jul-19	17-Nov-19
16.	Fundamentals of Manufacturing Processes	Prof. D. K Dwivedi	IITR	29-Jul-19	17-Nov-19
17.	Manufacturing Systems Technology Part I & II	Prof. Shantanu Bhattacharya	IITK	29-Jul-19	17-Nov-19
18.	Work System Design	Prof. Inderdeep Singh	IITR	29-Jul-19	17-Nov-19
19.	Concepts of Thermodynamics	Prof. Suman Chakraborty & Prof. Aditya Bandopadhyay	IITKgp	29-Jul-19	17-Nov-19
20.	Fundamentals of Conduction and Radiation	Prof. Amaresh Dalal Prof. Dipankar N.Basu	IITG	29-Jul-19	17-Nov-19
21.	Engineering Metrology	Prof. J. Ramkumar and Prof. Amandeep Singh	IITK	29-Jul-19	17-Nov-19
22.	Noise Management and Control	Prof. Nachiketa Tiwari	IITK	29-Jul-19	17-Nov-19
23.	Aircraft Propulsion	Prof. Vinayak N. Kulkarni	IITG	29-Jul-19	17-Nov-19
24.	Convective Heat Transfer	Prof. Saptarshi Basu	IISc	29-Jul-19	17-Nov-19
25.	Design for Quality, Manufacturing and Assembly	Prof. Palaniappan Ramu	IITM	29-Jul-19	29-Sep-19
26.	Principles of Metal Forming Technology	Prof. Pradeep Kumar Jha	IITR	29-Jul-19	29-Sep-19
27.	Refrigeration and air-conditioning	Prof. Ravi Kumar	IITR	29-Jul-19	29-Sep-19
28.	Robotics	Prof. D. K Pratihar	IITKgp	29-Jul-19	29-Sep-19
29.	Design Practice	Prof. Shantanu Bhattacharya	IITK	29-Jul-19	29-Sep-19
30.	Fluid Machines	Prof. Sankar Kumar Som	IITKgp	26-Aug-19	16-Nov-19
31.	Steam Power Engineering	Prof. Vinayak N. Kulkarni	IITG	26-Aug-19	16-Nov-19
32.	Manufacturing of Composites	Prof. J. Ramkumar	IITK	26-Aug-19	17-Nov-19
33.	Product Design Using Value Engineering	Prof. Inderdeep Singh	IITR	29-Jul-19	29-Sep-19
34.	Smart Materials and Intelligent System Design	Prof. Bisakh Bhattacharya	IITK	29-Jul-19	29-Sep-19
35.	Selection Of Nanomaterials For Energy Harvesting And Storage Application	Prof. Kaushik Pal	IITR	29-Jul-19	29-Sep-19
36.	A short lecture series on contour integration in the complex plane	Prof. Venkata Sonti	IISc	29-Jul-19	29-Sep-19
37.	Manufacturing Automation	Prof. Sounak Kumar Choudhury	IITK	29-Jul-19	29-Sep-19
38.	Computer numerical control CNC of machine tools and processes	Prof. Asimava Roy Choudhury	IITKgp	26-Aug-19	17-Nov-19
39.	Two-Phase flow with phase change in conventional and miniature channels	Prof. Manmohan Pandey	IITG	26-Aug-19	17-Nov-19

## Metallurgical & Materials Engineering

01.	Advanced Materials and Processes	Prof. Jayanta Das	IITKgp	29-Jul-19	16-Nov-19
02.	Physics of Materials	Prof. Prathap Haridoss	IITM	29-Jul-19	16-Nov-19
03.	Welding Metallurgy	Prof. Pradeep K. Jha	IITR	29-Jul-19	17-Nov-19
04.	Transport Phenomena In Materials	Prof. Gandham Phanikumar	IITM	29-Jul-19	17-Nov-19
05.	Thermo-Mechanical And Thermo-Chemical Processes	Prof. Vivek Panchoi & Prof. S. R. Meka	IITR	29-Jul-19	29-Sep-19
06.	Nanotechnology, Science and Applications	Prof. Prathap Haridoss	IITM	29-Jul-19	29-Sep-19
07.	Biomaterials for bone tissue engineering applications	Prof. Bikramjit Basu	IISc	29-Jul-19	29-Sep-19
08.	An Introduction to Materials: Nature and Properties (Part 1: Structure of Materials)	Prof. Ashish Garg	IITK	26-Aug-19	16-Nov-19
09.	Fundamentals and Applications of Dielectric Ceramics	Prof. Ashish Garg	IITK	26-Aug-19	16-Nov-19
10.	Corrosion - Part II	Prof. Kallol Mondol	IITK	26-Aug-19	17-Nov-19
11.	Welding of Advanced High Strength Steels for Automotive Applications	Prof. Murugaiyan Amirthalingam	IITM	29-Jul-19	29-Sep-19
12.	Structural Analysis of Nanomaterials	Prof. Kaushik Pal	IITR	29-Jul-19	29-Sep-19
13.	Fundamentals of electronic device fabrication	Prof. Parasuraman Swaminathan	IITM	29-Jul-19	29-Sep-19

