



**VISVESVARAYA TECHNOLOGICAL UNIVERSITY, Belagavi**  
Proposed list of MOOCs (NPTEL July-Dec 2021 Timeline) for B.E Degree Honours

**Format for submission of Bouquet of MOOCs Courses**

**Table 1. List of certifiable courses approved for earning the extra credits under type**

Name of the Board		Industrial and Production Engineering					
Sl. No.	Name of the Subject	Subject Matter Expert(SME)	Duration in Weeks	Start Date	End Date	Exam Dates	Enrolment End Date
1	Principles of Industrial Engineering	Prof. D. K. Dwivedi	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
2	Robotics and Control : Theory and Practice	Prof. N. Sukavanam Prof. M.Felix Orlando	8 Weeks	January 24, 2022	March 18, 2022	March 27, 2022	January 31, 2022
3	Steam and Gas Power Systems	Prof. Ravi Kumar	8 Weeks	February 21, 2022	April 15, 2022	April 24, 2022	February 21, 2022
4	Mechanical Measurement System	Prof. Ravi Kumar	8 Weeks	January 24, 2022	March 18, 2022	March 27, 2022	January 31, 2022
5	Turbulent Combustion: Theory And Modelling	Prof. Ashoke De	12 Weeks	January 24, 2022	April 15, 2022	April 23, 2022	January 31, 2022
6	Computer Integrated Manufacturing	Prof. J. Ramkumar Prof. Amandeep Singh	12 Weeks	January 24, 2022	April 15, 2022	April 23, 2022	January 31, 2022
7	Product Design and Manufacturing	Prof. J.Ramkumar Prof. Amandeep Singh	12 Weeks	January 24, 2022	April 15, 2022	April 23, 2022	January 31, 2022
8	Automatic Control	Prof. Anil Kumar	8 Weeks	January 24, 2022	March 18, 2022	March 27, 2022	January 31, 2022
9	Mechanics of Machining	Prof. Uday S. Dixit	8 Weeks	January 24, 2022	March 18, 2022	March 27, 2022	January 31, 2022
10	Introduction To Mechanical Micro Machining	Prof. Ajay M Sidpara	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
11	Fundamentals of Nuclear Power Generation	Prof. Dipankar N.Basu	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
12	Nature and Properties of Materials	Prof. Bishakh Bhattacharya	8 Weeks	February 21, 2022	April 15, 2022	April 24, 2022	February 21, 2022
13	Smart Materials and Intelligent System Design	Prof. Bishakh Bhattacharya	4 Weeks	February 21, 2022	March 18, 2022	April 24, 2022	February 21, 2022
14	Modelling and Simulation of Dynamic Systems	Prof. Pushparaj Mani Pathak	8 Weeks	January 24, 2022	March 18, 2022	March 27, 2022	January 31, 2022
15	Fundamental of Welding Science and Technology	Prof. Pankaj Biswas	8 Weeks	January 24, 2022	March 18, 2022	March 27, 2022	January 31, 2022
16	Introduction to Abrasive Machining and Finishing Processes	Prof. Mamilla Ravi Sankar	8 Weeks	January 24, 2022	March 18, 2022	March 27, 2022	January 31, 2022
17	Introduction to Machining and Machining Fluids	Prof. Mamilla Ravi Sankar	8 Weeks	January 24, 2022	March 18, 2022	March 27, 2022	January 31, 2022



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18	Traditional And Non-Traditional Optimization Tools	Prof. Dilip Kumar Pratihara	8 Weeks	January 24, 2022	March 18, 2022	March 27, 2022	January 31, 2022
19	Convective Heat Transfer	Prof. Arup Kumar Das	4 Weeks	February 21, 2022	March 18, 2022	April 24, 2022	February 21, 2022
20	Two phase flow and heat transfer	Prof. Arup Kumar Das	4 Weeks	January 24, 2022	February 18, 2022	March 27, 2022	January 31, 2022
21	Kinematics of Mechanisms and Machines	Prof. Anirvan Dasgupta	8 Weeks	January 24, 2022	March 18, 2022	March 27, 2022	January 31, 2022
22	Vibrations Of Structures	Prof. Anirvan Dasgupta	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
23	Introduction to Soft Matter	Prof. Aloke Kumar	8 Weeks	February 21, 2022	April 15, 2022	April 23, 2022	February 21, 2022
24	Manufacturing Process Technology I & II	Prof. Shantanu Bhattacharya	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
25	Design Practice	Prof. Shantanu Bhattacharya	8 Weeks	February 21, 2022	April 15, 2022	April 24, 2022	February 21, 2022
26	Experimental Methods in Fluid Mechanics	Prof. Pranab K. Mondal	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
27	Introduction To Fluid Mechanics	Prof. Suman Chakraborty	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
28	Applied Ergonomics	Prof. Shantanu Bhattacharya Prof. Ankur Gupta	12 Weeks	January 24, 2022	April 15, 2022	April 23, 2022	January 31, 2022
29	Fundamentals of combustion for propulsion	Prof. S.Varunkumar Prof. H.S.Mukunda	8 Weeks	January 24, 2022	March 18, 2022	March 27, 2022	January 31, 2022
30	Sound and Structural Vibration	Prof. Venkata R. Sonti	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
31	Fundamentals of Combustion	Prof. V. Raghavan	12 Weeks	January 24, 2022	April 15, 2022	April 23, 2022	January 31, 2022
32	Oil Hydraulics and Pneumatics	Prof. Somashekhar S	12 Weeks	January 24, 2022	April 15, 2022	April 23, 2022	January 31, 2022
33	Explosions and Safety	Prof. K. Ramamurthi Prof. Prasad Patnaik BSV	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
34	Wheeled Mobile Robots	Prof. Asokan Thondiyath Prof. Santhakumar Mohan	8 Weeks	January 24, 2022	March 18, 2022	March 27, 2022	January 31, 2022
35	Robotics: Basics and Selected Advanced Concepts	Prof. Ashitava Ghosal	12 Weeks	January 24, 2022	April 15, 2022	April 23, 2022	January 31, 2022
36	Mechanics of Fiber Reinforced Polymer Composite Structures	Prof. Debabrata Chakraborty	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022



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37	Robot Motion Planning	Prof. Ashish Dutta	8 Weeks	February 21, 2022	April 15, 2022	April 24, 2022	February 21, 2022
38	Heat Transfer and Combustion in Multiphase Systems	Prof. Saptarshi Basu	8 Weeks	January 24, 2022	March 18, 2022	March 27, 2022	January 31, 2022
39	Finite Element Method	Prof. Biswanath Banerjee Prof. Amit Shaw	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
40	Optimization from fundamentals	Prof. Ankur A. Kulkarni	12 Weeks	January 24, 2022	April 15, 2022	April 23, 2022	January 31, 2022
41	Theory of Composite Shells	Prof. Poonam Kumari	8 Weeks	January 24, 2022	March 18, 2022	March 27, 2022	January 31, 2022
42	Finite element modeling of welding processes	Prof. Swarup Bag	12 Weeks	January 24, 2022	April 15, 2022	April 23, 2022	January 31, 2022
43	Evolutionary Computation for Single and Multi-Objective Optimization	Prof. Deepak Sharma	8 Weeks	January 24, 2022	March 18, 2022	March 27, 2022	January 31, 2022
44	Nonlinear Vibration	Prof. S. K. Dwivedy	12 Weeks	January 24, 2022	April 15, 2022	April 23, 2022	January 31, 2022
45	Viscous Fluid Flow	Prof. Amaresh Dalal	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
46	Manufacturing Automation	Prof. Sounak Kumar Choudhury	4 Weeks	January 24, 2022	February 18, 2022	March 27, 2022	January 31, 2022
47	Advanced Composites	Prof. Nachiketa Tiwari	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
48	Noise Management & Control	Prof. Nachiketa Tiwari	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
49	Inspection and Quality Control in Manufacturing	Prof. Kaushik Pal	4 Weeks	February 21, 2022	March 18, 2022	April 23, 2022	February 21, 2022
50	Mechatronics	Prof. Pushparaj Mani Pathak	8 Weeks	January 24, 2022	March 18, 2022	March 27, 2022	January 31, 2022
51	Operations Management	Prof. Inderdeep Singh	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
52	Manufacturing Guidelines for Product Design	Prof. Inderdeep Singh	8 Weeks	February 21, 2022	April 15, 2022	April 24, 2022	February 21, 2022
53	Principles of Casting Technology	Prof. Pradeep Kumar Jha	8 Weeks	January 24, 2022	March 18, 2022	March 27, 2022	January 31, 2022
54	Tools in Scientific Computing	Prof. Aditya Bandopadhyay	8 Weeks	January 24, 2022	March 18, 2022	March 27, 2022	January 31, 2022
55	Industrial Automation and Control	Prof. Alokanti Deb Prof. Siddhartha Mukhopadhyay	12 Weeks	January 24, 2022	April 15, 2022	April 23, 2022	January 31, 2022



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56	Machinery Fault Diagnosis and Signal Processing	Prof. Amiya Ranjan Mohanty	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
57	Electronic Packaging and Manufacturing	Prof. Anandaroop Bhattacharya Prof. Goutam Chakraborty	8 Weeks	January 24, 2022	March 18, 2022	March 27, 2022	January 31, 2022
58	Gear And Gear Unit Design: Theory and Practice	Prof. Rathindra Nath Maiti	8 Weeks	February 21, 2022	April 15, 2022	April 23, 2022	February 21, 2022
59	Machining Science	Prof. Sounak Kumar Choudhury	4 Weeks	January 24, 2022	February 18, 2022	March 27, 2022	January 31, 2022
60	Engineering Graphics and Design	Prof. Naresh Varma Datla Prof. S.R Kale	12 Weeks	January 24, 2022	April 15, 2022	April 23, 2022	January 31, 2022

**Table 2. List of certifiable courses approved for earning the extra credits by IP Students (Interdisciplinary)**

Sl. No.	Name of the Subject	Subject Matter Expert(SME)	Duration in Weeks	Start Date	End Date	Exam Dates	Enrolment End Date
1	Soil And Water Conservation Engineering	Prof. Rajendra Singh	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
2	Environmental Impact Assessment	Prof. Harshit Sosan Lakra	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
3	Material and Energy Balances	Prof. Vignesh Muthuvijayan	12 Weeks	January 24, 2022	April 15, 2022	April 23, 2022	January 31, 2022
4	Engineering Thermodynamics	Prof. Jayant K. Singh	8 Weeks	January 24, 2022	March 18, 2022	March 27, 2022	January 31, 2022
5	Waste to Energy Conversion	Prof. P. Mondal	8 Weeks	January 24, 2022	March 18, 2022	March 27, 2022	January 31, 2022
6	Renewable Energy Engineering: Solar, Wind and Biomass Energy Systems	Prof. Vaibhav Vasant Goud Prof. R. Anandalakshmi	8 Weeks + 4 Weeks(New)	January 24, 2022	April 15, 2022	April 23, 2022	January 31, 2022
7	Biomass Conversion and Biorefinery	Prof. Kaustubha Mohanty	12 Weeks	January 24, 2022	April 15, 2022	April 23, 2022	January 31, 2022
8	Process Equipment Design	Prof. Shabina Khanam	12 Weeks	January 24, 2022	April 15, 2022	April 23, 2022	January 31, 2022
9	Environmental Quality Monitoring & Analysis	Prof. Ravi Krishna R	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
10	Water and waste water treatment	Prof. Bhanu Prakash Vellanki	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
11	Basic construction materials	Prof. Manu Santhanam Prof. Radhakrishna G. Pillai	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022



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12	Introduction to Lean Construction	Prof. Koshy Varghese Prof. N Raghavan	4 Weeks	January 24, 2022	February 18, 2022	March 27, 2022	January 31, 2022
13	Artificial Intelligence: Knowledge Representation And Reasoning	Prof. Deepak Khemani	12 Weeks	January 24, 2022	April 15, 2022	April 23, 2022	January 31, 2022
14	Software Testing	Prof. Rajib Mall	4 Weeks	January 24, 2022	February 18, 2022	March 27, 2022	January 31, 2022
15	Ethical Hacking	Prof. Indranil Sengupta	12 Weeks	January 24, 2022	April 15, 2022	April 23, 2022	January 31, 2022
16	Cloud computing	Prof. Soumya Kanti Ghosh	8 Weeks + 4 Weeks(New)	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
17	Deep Learning	Prof. Prabir Kumar Biswas	12 Weeks	January 24, 2022	April 15, 2022	April 23, 2022	January 31, 2022
18	Machine Learning, ML	Prof. Carl Gustaf Jansson Prof. Henrik Boström Prof. Fredrik Kilander	8 Weeks	February 21, 2022	April 15, 2022	April 24, 2022	February 21, 2022
19	Data Science for Engineers	Prof. Rangunathan Rengasamy Prof. Shankar Narasimhan	8 Weeks	January 24, 2022	March 18, 2022	March 27, 2022	January 31, 2022
20	Introduction to Machine Learning	Prof. Balaraman Ravindran	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
21	The Joy of Computing using Python	Prof. Sudarshan Iyengar	12 Weeks	January 24, 2022	April 15, 2022	April 23, 2022	January 31, 2022
22	Python for Data Science	Prof. Rangunathan Rengasamy	4 Weeks	January 24, 2022	February 18, 2022	March 27, 2022	January 31, 2022
23	Introduction To Programming In C	Prof. Satyadev Nandakumar	8 Weeks	February 21, 2022	April 15, 2022	April 23, 2022	February 21, 2022
24	Programming In Java	Prof. Debasis Samanta	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
25	Introduction To Internet Of Things	Prof. Sudip Misra	12 Weeks	January 24, 2022	April 15, 2022	April 23, 2022	January 31, 2022
26	An Introduction to Artificial Intelligence	Prof. Mausam	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
27	Introduction to Database Systems	Prof. Sreenivasa Kumar	12 Weeks	January 24, 2022	April 15, 2022	April 23, 2022	January 31, 2022
28	Fundamentals of Automotive Systems	Prof. C. S. Shankar Ram	12 Weeks	January 24, 2022	April 15, 2022	April 23, 2022	January 31, 2022
29	Usability Engineering	Prof. Debayan Dhar	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022



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30	Innovation by Design	Prof. B. K. Chakravarthy	4 Weeks	February 21, 2022	March 18, 2022	April 24, 2022	February 21, 2022
31	Design, Technology and Innovation	Prof. B. K. Chakravarthy	8 Weeks	February 21, 2022	April 15, 2022	April 23, 2022	February 21, 2022
32	Strategies for Sustainable Design	Prof. Shiva Ji	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
33	Understanding Incubation and Entrepreneurship	Prof. B.K. Chakravarthy	12 weeks	January 24, 2022	April 15, 2022	April 23, 2022	January 31, 2022
34	Introduction to Econometrics	Prof. Sabuj Kumar Mandal	12 Weeks	January 24, 2022	April 15, 2022	April 23, 2022	January 31, 2022
35	Microfoundations of Macroeconomics	Prof. Wasim Ahmad	8 Weeks	January 24, 2022	March 18, 2022	March 27, 2022	January 31, 2022
36	Fundamentals of semiconductor devices	Prof. Digbijoy N. Nath	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
37	Electric Vehicles - Part 1	Prof. Amit Jain	4 Weeks	February 21, 2022	March 18, 2022	April 24, 2022	February 21, 2022
38	Deep Learning for Visual Computing	Prof. Debdoot Sheet	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
39	Patent Drafting for Beginners	Prof. Feroz Ali	4 Weeks	January 24, 2022	February 18, 2022	March 27, 2022	January 31, 2022
40	Effective Writing	Prof. Binod Mishra	4 Weeks	January 24, 2022	February 18, 2022	March 27, 2022	January 31, 2022
41	Emotional Intelligence	Prof. Rabindra Kumar Pradhan	8 Weeks	January 24, 2022	March 18, 2022	March 27, 2022	January 31, 2022
42	Economic Growth and Development	Prof. Rajshree Bedamatta	8 Weeks	January 24, 2022	March 18, 2022	March 27, 2022	January 31, 2022
43	Human Behaviour	Prof. Naveen Kashyap	8 Weeks	February 21, 2022	April 15, 2022	April 23, 2022	February 21, 2022
44	Introduction to Cognitive Psychology	Prof. Naveen Kashyap	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
45	Introduction to Psychology	Prof. Braj Bhushan	8 Weeks	January 24, 2022	March 18, 2022	March 27, 2022	January 31, 2022
46	Introduction to Environmental Economics	Prof. Diptimayee Nayak Prof. S. P. Singh	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
47	Psychiatry - An Overview and How the Brain Creates Mind	Prof. Alok Bajpai	8 Weeks	January 24, 2022	March 18, 2022	March 27, 2022	January 31, 2022
48	Patent Law for Engineers and Scientists	Prof. Feroz Ali	12 Weeks	January 24, 2022	April 15, 2022	April 23, 2022	January 31, 2022
49	An Introduction to Microeconomics	Prof. Vimal Kumar	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
50	Energy Resources, Economics and Environment	Prof. Rangan Banerjee	12 Weeks	January 24, 2022	April 15, 2022	April 23, 2022	January 31, 2022



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51	Technology Forecasting for strategic decision making - An Introduction	Prof. Dmitry Kucharavy Prof. Bala Ramadurai	4 Weeks	January 24, 2022	February 18, 2022	March 27, 2022	January 31, 2022
52	Data Analysis and Decision Making - I	Prof. Raghu Nandan Sengupta	12 Weeks	January 24, 2022	April 15, 2022	April 23, 2022	January 31, 2022
53	Marketing Management - II	Prof. Jayanta Chatterjee Prof. Shashi Shekhar Mishra	8 Weeks	February 21, 2022	April 15, 2022	April 23, 2022	February 21, 2022
54	Managing change in organizations	Prof. KBL Srivastava	8 Weeks	January 24, 2022	March 18, 2022	March 27, 2022	January 31, 2022
55	Financial Statement Analysis and Reporting	Prof. Anil K. Sharma	12 Weeks	January 24, 2022	April 15, 2022	April 23, 2022	January 31, 2022
56	Financial Management For Managers	Prof. Anil K. Sharma	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
57	Business analytics and data mining Modeling using R	Prof. Gaurav Dixit	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
58	MCDM Techniques Using R	Prof. Gaurav Dixit	4 Weeks	February 21, 2022	March 18, 2022	April 23, 2022	February 21, 2022
59	Business Analytics For Management Decision	Prof. Rudra P Pradhan	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
60	Engineering Econometrics	Prof. Rudra P Pradhan	12 Weeks	January 24, 2022	April 15, 2022	April 23, 2022	January 31, 2022
61	Microeconomics: Theory & Applications	Prof. Deep Mukherjee	12 Weeks	January 24, 2022	April 15, 2022	April 23, 2022	January 31, 2022
62	Supply Chain Analytics	Prof. Rajat Agrawal	8 Weeks	January 24, 2022	March 18, 2022	March 27, 2022	January 31, 2022
63	Production and Operation Management	Prof. Rajat Agrawal	12 Weeks	January 24, 2022	April 15, 2022	April 23, 2022	January 31, 2022
64	Quality Design And Control	Prof. Pradip Kumar Ray	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
65	Management of Inventory Systems	Prof. Pradip Kumar Ray	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
66	Simulation of Business Systems: An Applied Approach	Prof. Deepu Philip	8 Weeks	January 24, 2022	March 18, 2022	March 27, 2022	January 31, 2022
67	Systems Engineering: Theory & Practice	Prof. Deepu Philip	8 Weeks	January 24, 2022	March 18, 2022	March 27, 2022	January 31, 2022
68	Behavioral and Personal Finance	Prof. Abhijeet Chandra	8 Weeks	January 24, 2022	March 18, 2022	March 27, 2022	January 31, 2022
69	Business Statistics	Prof. Mukesh Kumar Barua	12 Weeks	January 24, 2022	April 15, 2022	April 23, 2022	January 31, 2022
70	Marketing Analytics	Prof. Swagato Chatterjee	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022



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71	Modelling and Analytics for Supply Chain Management	Prof. Kunal Kanti Ghosh Prof. Anupam Ghosh	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
72	Global Marketing Management	Prof. Zillur Rahman	8 Weeks	February 21, 2022	April 15, 2022	April 24, 2022	February 21, 2022
73	Integrated Marketing Management	Prof. R. Srinivasan	8 Weeks	January 24, 2022	March 18, 2022	March 27, 2022	January 31, 2022
74	Introduction to Operations Research	Prof. G. Srinivasan	8 Weeks	February 21, 2022	April 15, 2022	April 24, 2022	February 21, 2022
75	Introduction to probability and Statistics	Prof. G. Srinivasan	4 Weeks	January 24, 2022	February 18, 2022	March 27, 2022	January 31, 2022
76	Design Thinking - A Primer	Prof. Ashwin Mahalingam Prof. Bala Ramadurai	4 Weeks	February 21, 2022	March 18, 2022	April 23, 2022	February 21, 2022
77	Financial accounting - IITMandi	Prof. Puran Singh	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
78	Decision making with spreadsheet	Prof. Ramesh Anbanandam	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
79	Strategy and Technology: A Practical Primer	Prof. C Bhaktavatsala Rao	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
80	Leadership for India Inc: Practical Concepts and Constructs	Prof. C Bhaktavatsala Rao	12 Weeks	January 24, 2022	April 15, 2022	April 23, 2022	January 31, 2022
81	Integrated Marketing Communication	Prof. Vinay Sharma	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
82	Leadership and Team Effectiveness	Prof. Santosh Rangnekar	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
83	Quality Control and Improvement with MINITAB	Prof. Indrajit Mukherjee	8 Weeks	February 21, 2022	April 15, 2022	April 24, 2022	February 21, 2022
84	Organization Theory/Structure and Design	Prof. Zillur Rahman	8 Weeks	January 24, 2022	March 18, 2022	March 27, 2022	January 31, 2022
85	Principles of Management	Prof. Usha Lenka	12 Weeks	January 24, 2022	April 15, 2022	April 23, 2022	January 31, 2022
86	Foundation Course in Managerial Economics	Prof. Barnali Nag	8 Weeks	January 24, 2022	March 18, 2022	March 27, 2022	January 31, 2022
87	Services Marketing: A Practical Approach	Prof. Biplab Datta	4 Weeks	January 24, 2022	February 18, 2022	March 27, 2022	January 31, 2022
88	E-Business	Prof. Mamata Jenamani	12 Weeks	January 24, 2022	April 15, 2022	April 23, 2022	January 31, 2022
89	Sales And Distribution Management	Prof. Sangeeta Sahney	8 Weeks	February 21, 2022	April 15, 2022	April 23, 2022	February 21, 2022
90	Consumer Behaviour	Prof. Srabanti Mukherjee	8 Weeks	January 24, 2022	March 18, 2022	March 27, 2022	January 31, 2022





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91	Six Sigma	Prof. Jitesh J Thakkar	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
92	Talent Acquisition and Management	Prof. Santosh Rangnekar	12 Weeks	January 24, 2022	April 15, 2022	April 23, 2022	January 31, 2022
93	International Marketing	Prof. Biswarup Ghosh	8 Weeks	February 21, 2022	April 15, 2022	April 24, 2022	February 21, 2022
94	Retail Management	Prof. Swagato Chatterjee	8 Weeks	January 24, 2022	March 18, 2022	March 27, 2022	January 31, 2022
95	Business Law for Managers	Prof. S. Srinivasan Prof. Kaushik Mukherjee	8 Weeks	January 24, 2022	March 18, 2022	March 27, 2022	January 31, 2022
96	Strategic Performance Management	Prof. Kbl Srivastava	8 Weeks	February 21, 2022	April 15, 2022	April 23, 2022	February 21, 2022
97	Ethics In Engineering Practice	Prof. Susmita Mukhopadhyay	8 Weeks	February 21, 2022	April 15, 2022	April 23, 2022	February 21, 2022
98	Safety and Risk Analytics	Prof. Jhareswar Maiti	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
99	Leadership	Prof. Tuheena Mukherjee Prof. Kalyan Chakravarti	4 Weeks	January 24, 2022	February 18, 2022	March 27, 2022	January 31, 2022
100	Introduction to Queueing Theory	Prof. N. Selvaraju	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
101	Algebraic Combinatorics	Prof. Amritanshu Prasad Prof. Sankaran Viswanath	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
102	Algebra - II	Prof. Sankaran Viswanath Prof. Amritanshu Prasad	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
103	Mathematical Modelling: Analysis and Applications	Prof. Aameeya Kumar Nayak	4 Weeks	February 21, 2022	March 18, 2022	April 23, 2022	February 21, 2022
104	Numerical Methods: Finite difference approach	Prof. Aameeya Kumar Nayak	4 Weeks	January 24, 2022	February 18, 2022	March 27, 2022	January 31, 2022
105	Functional Analysis	Prof. Kesavan	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
106	Statistical Inference	Prof. Niladri Chatterjee	8 Weeks	January 24, 2022	March 18, 2022	March 27, 2022	January 31, 2022
107	Statistical Inference - IIT KGP	Prof. Somesh Kumar	12 Weeks	January 24, 2022	April 15, 2022	April 23, 2022	January 31, 2022
108	Carbon Materials and Manufacturing	Prof. Swati Sharma	12 Weeks	January 24, 2022	April 15, 2022	April 23, 2022	January 31, 2022
109	Welding Processes	Prof. Murugaiyan Amirthalingam	12 Weeks	January 24, 2022	April 15, 2022	April 23, 2022	January 31, 2022



**VISVESVARAYA TECHNOLOGICAL UNIVERSITY, Belagavi**  
**Proposed list of MOOCs (NPTEL July-Dec 2021 Timeline) for B.E Degree Honours**

110	Mechanical Behaviour of Materials (Part – I)	Prof. Shashank Shekhar Prof. Sudhanshu Shekhar Singh	12 Weeks	January 24, 2022	April 15, 2022	April 23, 2022	January 31, 2022
111	Materials Science and Engineering	Prof. Vivek Pancholi	8 Weeks	January 24, 2022	March 18, 2022	March 27, 2022	January 31, 2022
112	Properties of Materials (Nature and Properties of Materials : III)	Prof. Ashish Garg	8 Weeks	February 21, 2022	April 15, 2022	April 23, 2022	February 21, 2022
113	Dealing with materials data : collection, analysis and interpretation	Prof. M P Gururajan Prof. Hina Gokhale	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
114	Solar Photovoltaics: Principles, Technologies & Materials	Prof. Ashish Garg	8 Weeks	January 24, 2022	March 18, 2022	March 27, 2022	January 31, 2022
115	Diffusion in Multicomponent Solids	Prof. Kaustubh Kulkarni	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
116	Fundamentals of Material Processing - Part 2	Prof. Shashank Shekhar Prof. Anshu Gaur	8 Weeks	February 21, 2022	April 15, 2022	April 24, 2022	February 21, 2022
117	Fundamentals Of Electronic Materials And Devices	Prof. Parasuraman Swaminathan	8 Weeks	January 24, 2022	March 18, 2022	March 27, 2022	January 31, 2022
118	Theory and Practice of Non Destructive Testing	Prof. Ranjit Bauri	8 Weeks	January 24, 2022	March 18, 2022	March 27, 2022	January 31, 2022
119	Non - Metallic Materials	Prof. Subhasish Basu Majumder	12 Weeks	January 24, 2022	April 15, 2022	April 23, 2022	January 31, 2022
120	Bulk Material Transport and Handling Systems	Prof. Khanindra Pathak	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
121	Surface Engineering of Nanomaterials	Prof. Kaushik Pal	8 Weeks	January 24, 2022	March 18, 2022	March 27, 2022	January 31, 2022
122	Entrepreneurship Essentials	Prof. Manoj Kumar Mondal	12 Weeks	January 24, 2022	April 15, 2022	April 23, 2022	January 31, 2022
123	Fuzzy Logic and Neural Networks	Prof. Dilip Kumar Pratihar	8 Weeks	February 21, 2022	April 15, 2022	April 24, 2022	February 21, 2022
124	Effective Engineering Teaching In Practice	Prof. G. K. Suraiskumar Prof. Edamana Prasad Prof. Richa Verma	4 Weeks	January 24, 2022	February 18, 2022	March 27, 2022	January 31, 2022
125	Introduction to Environmental Engineering and Science - Fundamental and Sustainability Concepts	Prof. Brajesh Kumar Dubey	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
126	Research Methodology	Prof. Soumitro Banerjee	12 Weeks	January 24, 2022	April 15, 2022	April 23, 2022	January 31, 2022



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127	Basic Course in Ornithology	Prof. Mousumi Ghosh Prof. Manjari Jain Prof. R Jayapal Prof. Anand Krishnan Prof. Suhel Quader Prof. V.V. Robin Prof. Umesh Srinivasan	12 Weeks	January 24, 2022	April 15, 2022	April 23, 2022	January 31, 2022
128	Fundamental of Fluid Mechanics for Chemical and Biomedical Engineers	Prof. Raghvendra Gupta	12 Weeks	January 24, 2022	April 15, 2022	April 23, 2022	January 31, 2022
129	Outcome Based Pedagogic Principles for Effective Teaching	Prof. Shyamal Kumar Das Mandal	4 Weeks	February 21, 2022	March 18, 2022	April 24, 2022	February 21, 2022
130	Non-conventional energy Resources	Prof. Prathap Haridoss	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
131	Introduction to Research	Prof. Edamana Prasad Prof. Prathap Haridoss	8 Weeks	February 21, 2022	April 15, 2022	April 23, 2022	February 21, 2022
132	Physics through Computational Thinking	Prof. Auditya Sharma	8 Weeks	February 21, 2022	April 15, 2022	April 23, 2022	February 21, 2022
133	Neural Science for Engineers	Prof. Vikas V	12 weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
134	Statistical Mechanics	Prof. Dipanjan Chakraborty	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022