



VISVESVARAYA TECHNOLOGICAL UNIVERSITY, Belagavi
Proposed List of MOOCs (NPTEL June-Dec 2022 Timeline) for B.E Degree Honours

Table 1. List of Certifiable Courses Approved for Earning the Extra Credits for BE Degree Honours

Name of the Board: Electronics and Instrumentation Engineering (EI/BM/ML)

Sl. No.	Name of the Subject & Subject Matter Expert(SME)	Duration in Weeks	Start Date	End Date	Exam Dates	Enrolment End Date
1	Fundamentals Of Food Process Engineering Prof. Jayeeta Mitra	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022
2	Post Harvest Operations and Processing of Fruits, Vegetables, Spices and Plantation Crop Products Prof. H N Mishra	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022
3	Medical Image Analysis Prof. Ganapathy Krishnamurthi	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022
4	Computer Aided Drug Design Prof. Mukesh Doble	8 Weeks	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022
5	Drug Delivery: Principles and Engineering Prof. Rachit Agarwal	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022
6	Biomedical nanotechnology Prof. P.Gopinath	4 weeks	Aug 22, 2022	Sep 16, 2022	Oct 29, 2022	Aug 22, 2022
7	Chemical Process Safety Prof. Shishir Sinha	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022
8	Mathematical modelling and simulation of chemical engineering process Prof. Sourav Mondal	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022
9	Principles and Practices of Process Equipment and Plant Design Prof. Gargi Das Prof S Ray	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022
10	Remote Sensing and GIS Prof. Rishikesh Bharti	8 weeks	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022
11	Software Testing Prof. Meenakshi D'souza	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022
12	Artificial Intelligence : Search Methods For Problem solving Prof. Deepak Khemani	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022
13	Introduction To Haskell Programming Prof. S. P Suresh	8 Weeks	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022
14	Programming, Data Structures And Algorithms Using Python Prof. Madhavan Mukund	8 Weeks	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022
15	Design and analysis of algorithms Prof. Madhavan Mukund	8 Weeks	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022



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16	Data Science for Engineers Prof. Ragnathan Rengasamy Prof. Shankar Narasimhan	8 Weeks	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022
17	Introduction to Machine Learning Prof. Balaraman Ravindran	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022
18	Python for Data Science Prof. Ragnathan Rengasamy	4 Weeks	Jul 25, 2022	Aug 19, 2022	Sep 25, 2022	Aug 1, 2022
19	Deep Learning for Computer Vision Prof. Vineeth N Balasubramanian	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022
20	Cloud Computing Prof. Soumya Kanti Ghosh	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022
21	Computer Architecture And Organization Prof. Indranil Sengupta Prof. Kamalika Datta	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022
22	Computer Vision Prof. Jayanta Mukhopadhyay	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022
23	Cryptography And Network Security Prof. Sourav Mukhopadhyay	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022
24	Data Base Management System Prof. Partha Pratim Das Prof. Ansuman Banerjee Prof. Kausik Datta	8 Weeks	Aug 22, 2022	Oct 14, 2022	Oct 29, 2022	Aug 22, 2022
25	Data Structure And Algorithms Using Java Prof. Debasis Samanta	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022
26	Introduction To Internet Of Things Prof. Sudip Misra	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022
27	C-Based VLSI Design Prof. Chandan Karfa	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022
28	Design, Technology and Innovation Prof. B. K. Chakravarthy	8 Weeks	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022
29	Design of photovoltaic systems Prof. L Umanand	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022
30	Fabrication Techniques for MEMs-based sensors : clinical perspective Prof. Hardik Jeetendra Pandya	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022
31	Electronic Systems for Cancer Diagnosis Prof. Hardik Jeetendra Pandya	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022



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32	Mathematical Aspects of Biomedical Electronic System Design Prof. Chandramani Singh	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022
33	Introduction to Photonics Prof. Balaji Srinivasan Prof Shivananju	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022
34	Electrocardiogram - Interpretation and application in clinical practice Multifaculty	4 weeks	Jul 25, 2022	Aug 19, 2022	Sep 25, 2022	Aug 1, 2022
35	Health Research Fundamentals Prof. P. Manickam	8 Weeks	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022
36	Patent Drafting for Beginners Prof. Feroz Ali	4 weeks	Jul 25, 2022	Aug 19, 2022	Sep 25, 2022	Aug 1, 2022
37	Soft skills Prof. Binod Mishra	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022
38	Developing Soft Skills and Personality Prof. T Ravichandran	8 Weeks	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022
39	Body language: Key to professional Success Prof. Rashmi Gaur	4 weeks	Aug 22, 2022	Sep 16, 2022	Oct 29, 2022	Aug 22, 2022
40	Decision-Making Under Uncertainty Prof. N. Gautam	4 weeks	Aug 22, 2022	Sep 16, 2022	Oct 30, 2022	Aug 22, 2022
41	Project management for managers Prof. Mukesh Kumar Barua	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022
42	Innovation, Business Models and Entrepreneurship Prof. Rajat Agarwal Prof. Vinay Sharma	8 Weeks	Aug 22, 2022	Oct 14, 2022	Oct 30, 2022	Aug 22, 2022
43	Automation in Production Systems and Management Prof. Pradip Kumar Ray	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022
44	Intellectual Property Rights And Competition Law Prof. K. D. Raju Prof. Niharika Sahoo Bhattacharya	8 Weeks	Aug 22, 2022	Oct 14, 2022	Oct 30, 2022	Aug 22, 2022
45	Patent Search and Analysis Prof. M. Padmavati Prof. Shreya Matilal	8 Weeks	Aug 22, 2022	Oct 14, 2022	Oct 29, 2022	Aug 22, 2022
46	Numerical Methods Prof. Ameeya Kumar Nayak Prof. Sanjeev Kumar	8 Weeks	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022
47	Essential Mathematics For Machine Learning Prof. Sanjeev Kumar Prof. S.K. Gupta	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022



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48	Operations Research Prof. Kusumdeep	8 Weeks	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022
49	Regression Analysis Prof. Soumen Maity	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022
50	Introduction to Probability Theory and Stochastic Processes Prof. S Dharmaraja	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022
51	Foundations of R Software Prof. Shalabh	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022
52	Power Plant Engineering Prof. Ravi Kumar	8 Weeks	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022
53	BioMEMS and Microfluidics Prof. Shantanu Bhattacharya	8 Weeks	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022
54	Basics Of Finite Element Analysis - I Prof. Nachiketa Tiwari	8 Weeks	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022
55	Automation in Manufacturing Prof. Shrikrishna N. Joshi	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022
56	Biomechanics of Joints and Orthopaedic Implants Prof. Sanjay Gupta	8 Weeks	Aug 22, 2022	Oct 14, 2022	Oct 30, 2022	Aug 22, 2022
57	Design of Mechatronic Systems Prof. Prasanna Gandhi	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022
58	Product Design and Development Prof. Inderdeep Singh	4 weeks	Jul 25, 2022	Aug 19, 2022	Sep 25, 2022	Aug 1, 2022
59	Techniques of Material Characterization Prof. Shibayan Roy	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022
60	Accreditation And Outcome Based Learning Prof. AK Ray (Retd.) Prof. SK Das Mandal	8 Weeks	Aug 22, 2022	Oct 14, 2022	Oct 30, 2022	Aug 22, 2022