





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

**Table 2. List of certifiable courses approved for earning the extra credits by  
IPE/IEM/MSE 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	Design of fixed wing Unmanned Aerial Vehicles	Prof. Saderla Subrahmanyam	8 Weeks	August 23, 2021	October 15, 2021	October 24, 2021	August 23, 2021
2	UAV Design - Part II	Prof. Saderla Subrahmanyam	8 Weeks	July 26, 2021	September 17, 2021	September 26, 2021	August 02, 2021
3	Fundamentals of Food Process Engineering	Prof. Jayeeta Mitra	12 Weeks	July 26, 2021	October 15, 2021	October 23, 2021	August 02, 2021
4	Dairy and Food process and products technology	Prof. Tridib Kumar Goswami	12 Weeks	July 26, 2021	October 15, 2021	October 23, 2021	August 02, 2021
5	Thermal Operations in Food Process Engineering: Theory and Applications	Prof. Tridib Kumar Goswami	12 Weeks	July 26, 2021	October 15, 2021	October 24, 2021	August 02, 2021
6	Organic Farming for Sustainable Agricultural Production	Prof. Dillip Kumar Swain	8 Weeks	July 26, 2021	September 17, 2021	September 26, 2021	August 02, 2021
7	Farm Machinery	Prof. VK Tewari	12 Weeks	July 26, 2021	October 15, 2021	October 24, 2021	August 02, 2021
8	Thermal Processing of Foods	Prof. R. Anandalakshmi	12 Weeks	July 26, 2021	October 15, 2021	October 23, 2021	August 02, 2021
9	Introduction to Biostatistics	Prof. Shamik Sen	8 Weeks	July 26, 2021	September 17, 2021	September 26, 2021	August 02, 2021
10	Environmental Biotechnology	Prof. Pinaki Sar	12 Weeks	July 26, 2021	October 15, 2021	October 24, 2021	August 02, 2021
11	Heat Transfer	Prof. Sunando Dasgupta	12 Weeks	July 26, 2021	October 15, 2021	October 23, 2021	August 02, 2021
12	Natural Gas Engineering	Prof. Pankaj Tiwari	8 Weeks	July 26, 2021	September 17, 2021	September 26, 2021	August 02, 2021
13	Technologies For Clean And Renewable Energy Production	Prof. P. Mondal	8 Weeks	July 26, 2021	September 17, 2021	September 26, 2021	August 02, 2021
14	Analytical chemistry	Prof. Debashis Ray	12 Weeks	July 26, 2021	October 15, 2021	October 24, 2021	August 02, 2021
15	Metals In Biology	Prof. D. Maiti	8 Weeks	July 26, 2021	September 17, 2021	September 26, 2021	August 02, 2021
16	Sustainable Engineering Concepts and Life Cycle Analysis	Prof. Brajesh Kumar Dubey	8 Weeks	July 26, 2021	September 17, 2021	September 26, 2021	August 02, 2021
17	Project Planning & Control	Prof. Koshy Varghese	8 Weeks	July 26, 2021	September 17, 2021	September 26, 2021	August 02, 2021
18	Environmental Chemistry	Prof. Bhanu Prakash Vellanki	12 Weeks	July 26, 2021	October 15, 2021	October 23, 2021	August 02, 2021



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19	Municipal Solid Waste Management	Prof. Ajay Kalamdhad	12 Weeks	July 26, 2021	October 15, 2021	October 24, 2021	August 02, 2021
20	Sustainable Transportation systems	Prof. Bholam Ram Gurjar	12 Weeks	July 26, 2021	October 15, 2021	October 23, 2021	August 02, 2021
21	Programming in Java	Prof. Debasis Samanta	12 Weeks	July 26, 2021	October 15, 2021	October 23, 2021	August 02, 2021
22	Object Oriented Analysis and Design	Prof. Partha Pratim Das Prof. Ansuman Banerjee Prof. Kausik Datta	8 Weeks	July 26, 2021	September 17, 2021	September 26, 2021	August 02, 2021
23	Data Base Management System	Prof. Partha Pratim Das Prof. Samiran Chattopadhyay	8 Weeks	July 26, 2021	September 17, 2021	September 26, 2021	August 02, 2021
24	Cloud computing	Prof. Soumya Kanti Ghosh	8 Weeks	August 23, 2021	October 15, 2021	October 23, 2021	August 23, 2021
25	Introduction to internet of things	Prof. Sudip Misra	12 Weeks	July 26, 2021	October 15, 2021	October 24, 2021	August 02, 2021
26	Software Engineering	Prof. Rajib Mall	12 Weeks	July 26, 2021	October 15, 2021	October 24, 2021	August 02, 2021
27	Data Science for Engineers	Prof. Ragnathan Rengasamy Prof. Shankar Narasimhan	8 Weeks	July 26, 2021	September 17, 2021	September 26, 2021	August 02, 2021
28	Introduction to Machine Learning - IITM	Prof. Balaraman Ravindran	12 Weeks	July 26, 2021	October 15, 2021	October 24, 2021	August 02, 2021
29	The Joy of Computing using Python	Prof. Sudarshan Iyengar Prof. Yayati Gupta	12 Weeks	July 26, 2021	October 15, 2021	October 23, 2021	August 02, 2021
30	Deep learning - IITRopar	Prof. Sudarshan Iyengar	12 Weeks	July 26, 2021	October 15, 2021	October 23, 2021	August 02, 2021
31	Introduction to Machine Learning - IITKGP	Prof. Sudeshna Sarkar	8 Weeks	July 26, 2021	September 17, 2021	September 26, 2021	August 02, 2021
32	Big Data Computing	Prof. Rajiv Misra	8 Weeks	August 23, 2021	October 15, 2021	October 24, 2021	August 23, 2021
33	System Design for Sustainability	Prof. Sharmistha Banerjee	12 Weeks	July 26, 2021	October 15, 2021	October 23, 2021	August 02, 2021
34	Ergonomics Workplace Analysis	Prof. Urmi R. Salve	4 Weeks	August 23, 2021	September 17, 2021	October 23, 2021	August 23, 2021
35	Introduction to robotics	Prof. Asokan T Prof. Balaraman Ravindran Prof. Krishna Vasudevan	12 Weeks	July 26, 2021	October 15, 2021	October 24, 2021	August 02, 2021
36	Innovation by Design	Prof. B. K. Chakravarthy	4 Weeks	August 23, 2021	September 17, 2021	October 24, 2021	August 23, 2021
37	Understanding Design	Prof. Nina Sabnani	4 Weeks	August 23, 2021	September 17, 2021	October 24, 2021	August 23, 2021



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38	Design, Technology and Innovation	Prof. B. K. Chakravarthy	8 Weeks	August 23, 2021	October 15, 2021	October 23, 2021	August 23, 2021
39	Environmental & Resource Economics	Prof. Sabuj Kumar Mandal	12 Weeks	July 26, 2021	October 15, 2021	October 23, 2021	August 02, 2021
40	Control engineering	Prof. RamkrishnaPasumarthy	12 Weeks	July 26, 2021	October 15, 2021	October 24, 2021	August 02, 2021
41	Introduction to Smart Grid	Prof. N. P. Padhy Prof. Premalata Jena	8 Weeks	July 26, 2021	September 17, 2021	September 26, 2021	August 02, 2021
42	Analog communication	Prof. Goutam Das	12 Weeks	July 26, 2021	October 15, 2021	October 23, 2021	August 02, 2021
43	Developing Soft Skills and Personality	Prof. T. Ravichandran	8 Weeks	August 23, 2021	October 15, 2021	October 24, 2021	August 23, 2021
44	Water, Society and Sustainability	Prof. Jenia Mukherjee	4 Weeks	August 23, 2021	September 17, 2021	October 24, 2021	August 23, 2021
45	Patent Drafting for Beginners	Prof. Feroz Ali	4 Weeks	July 26, 2021	August 20, 2021	September 26, 2021	August 02, 2021
46	Science, Technology and Society	Prof. Sambit Mallick	12 Weeks	July 26, 2021	October 15, 2021	October 23, 2021	August 02, 2021
47	Environment and Development	Prof. NgamjahaoKipgen	12 Weeks	July 26, 2021	October 15, 2021	October 23, 2021	August 02, 2021
48	Development Research Methods	Prof. Rajshree Bedamatta	8 Weeks	August 23, 2021	October 15, 2021	October 24, 2021	August 23, 2021
49	Psychology of Everyday	Prof. Braj Bhushan Prof. Alok Bajpai	4 Weeks	August 23, 2021	September 17, 2021	October 24, 2021	August 23, 2021
50	Entrepreneurship and IP Strategy	Prof. GouriGargate	8 Weeks	July 26, 2021	September 17, 2021	September 26, 2021	August 02, 2021
51	Mathematics for Economics - I	Prof. Debarshi Das	12 Weeks	July 26, 2021	October 15, 2021	October 23, 2021	August 02, 2021
52	Strategy: An Introduction to game Theory	Prof. Aditya K. Jagannatham Prof. Vimal Kumar	8 Weeks	July 26, 2021	September 17, 2021	September 26, 2021	August 02, 2021
53	Marketing Management - I	Prof. Jayanta Chatterjee Prof. Shashi Shekhar	8 Weeks	August 23, 2021	October 15, 2021	October 23, 2021	August 23, 2021
54	Business Analytics & Data Mining Modeling Using R Part II	Prof. Gaurav Dixit	4 Weeks	July 26, 2021	August 20, 2021	September 26, 2021	August 02, 2021
55	Business Analytics & Text Mining Modeling Using Python	Prof. Gaurav Dixit	8 Weeks	July 26, 2021	September 17, 2021	September 26, 2021	August 02, 2021
56	Toyota Production System	Prof. Rajat Agarwal	8 Weeks	August 23, 2021	October 15, 2021	October 23, 2021	August 23, 2021
57	Total Quality Management - II	Prof. Raghu Nandan Sengupta	8 Weeks	July 26, 2021	September 17, 2021	September 26, 2021	August 02, 2021
58	Applied Econometrics	Prof. Tutan Ahmed	12 Weeks	July 26, 2021	October 15, 2021	October 24, 2021	August 02, 2021



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59	Sustainability through Green Manufacturing Systems: An Applied Approach	Prof. Deepu Philip Prof. Amandeep Singh	8 Weeks	August 23, 2021	October 15, 2021	October 23, 2021	August 23, 2021
60	Managerial Economics	Prof. Trupti Mishra	12 Weeks	July 26, 2021	October 15, 2021	October 23, 2021	August 02, 2021
61	Automation in Production Systems and Management	Prof. Pradip Kumar Ray	12 Weeks	July 26, 2021	October 15, 2021	October 24, 2021	August 02, 2021
62	International Business	Prof. J. K. Nayak	12 Weeks	July 26, 2021	October 15, 2021	October 24, 2021	August 02, 2021
63	Regression Analysis	Prof. SoumenMaity	12 Weeks	July 26, 2021	October 15, 2021	October 23, 2021	August 02, 2021
64	Numerical methods	Prof. Ameeya Kumar Nayak Prof. Sanjeev Kumar	8 Weeks	August 23, 2021	October 15, 2021	October 23, 2021	August 23, 2021
65	Introduction To R Software	Prof. Shalabh	8 Weeks	July 26, 2021	September 17, 2021	September 26, 2021	August 02, 2021
66	Welding of Advanced High Strength Steels for Automotive Applications	Prof. Murugaiyan Amirthalingam	4 Weeks	July 26, 2021	August 20, 2021	September 26, 2021	August 02, 2021
67	Energy conservation and waste heat recovery	Prof. Prasanta Kr Das Prof. A Bhattacharya	12 Weeks	July 26, 2021	October 15, 2021	October 23, 2021	August 02, 2021
68	An Introduction To Materials: Nature And Properties (Part 1: Structure Of Materials)	Prof. Ashish Garg	8 Weeks	July 26, 2021	September 17, 2021	September 26, 2021	August 02, 2021
69	Fundamentals of Material Processing - I	Prof. Shashank Shekhar	8 Weeks	August 23, 2021	October 15, 2021	October 24, 2021	August 23, 2021
70	Nanomaterials and their Properties	Prof. Krishanu Biswas	12 Weeks	July 26, 2021	October 15, 2021	October 24, 2021	August 02, 2021
71	Introduction to Research	Prof. PrathapHaridoss	8 Weeks	August 23, 2021	October 15, 2021	October 24, 2021	August 23, 2021
72	Learning Analytics Tools	Prof. Ramkumar Rajendran	12 Weeks	July 26, 2021	October 15, 2021	October 23, 2021	August 02, 2021
73	Solar Energy Engineering and Technology	Prof. Pankaj Kalita	12 Weeks	July 26, 2021	October 15, 2021	October 23, 2021	August 02, 2021