

VISVESVARAYA TECHNOLOGY UNIVERSITY, BELAGAVI

Second list of MOOCs for B.E Degree (Honours) in Electrical and Electronics Engineering

(Applicable 2018 scheme students)

NPTEL Jul 2021 Timelines and Tentative Course List (July - Dec 2021)

Note:

Please note that this is a Tentative course list for the upcoming semester.

There may be addition and deletion of courses.

For Rerun courses: NPTEL website link is given for your reference to view syllabus and videos.

Using the link <https://nptel.ac.in/noc/NPTELSemester.html> the Tentative Course List (July - Dec 2021) : Sheet1 can be accessed. The Tentative Course List has the NPTEL website link to view syllabus and videos of rerun courses.

Particulars	4 weeks - set 1	8 weeks - set 1	12 weeks	4 weeks -set 2	8 weeks -set 2
Start of course	Jul 26, 2021	Jul 26, 2021	Jul 26, 2021	Aug 23, 2021	Aug 23, 2021
End of course	Aug 20, 2021	Sep 17, 2021	Oct 15, 2021	Sep 17, 2021	Oct 15, 2021
Exam dates -1	Sep 26, 2021 (Sunday) -2 2 Sessions on each date: 9am-12 noon; 2pm-5pm		Oct 23/24, 2021 (Saturday and Sunday) - 2 2 Sessions on each date: 9am-12 noon; 2pm-5pm		
Open enrollment to the course	May 06, 2021				
Close enrollment to the course	Aug 02, 2021		Aug 23, 2021		
Open exam registration form	Jun 17, 2021 (Tentative)				
Close exam registration form	Aug 20, 2021		Sep 17, 2021 5pm		



VISVESVARAYA TECHNOLOGICAL UNIVERSITY Belagavi

(i) Second List of NPTEL massive open online courses (MOOCs) prescribed for **BE Electrical and Electronics Engineering** programme for earning additional 18 or more credits to become eligible for the award of BE degree with Honours is as given below. The additional credits (18 or more) earned be sent to the University along with the CIE marks of VIII semester. The registered and completed courses shall not be selected when they are offered by NPTEL as Rerun courses. NPTEL offers the MOOCs during the sessions Jan – June 2021, July – Dec 2021, Jan – June 2022, July – Dec 2022.

(ii) The list is a collection of interdisciplinary courses to ensure an overall growth of students to meet the galloping technology development.

(iii) Credits prescribed by VTU for completed NPTEL courses by appearing for proctored examination: 12 weeks course: 03, 08 weeks course: 02 and 4 weeks course: 01.

(iv) In case, students are interested in courses that are not found in the following list, they can propose the same well in advance through a request letter addressed to Registrar, VTU. The decision of BOS is final in this regard and is a binding by all the concerned.

Second list of MOOCs (NPTEL Jan 2021 Timeline) for B.E Degree Honours

(Ref: VTU/BGM/BOS/SO2/2020 – 21/572, dated 17 May 2021)

Sl No	Serial number of the course in the Tentative Course List of NPTEL and Course Id (NOC: NPTEL open course) Discipline Course Name SME (Subject Matter Expert) Name and Institute	Duration Type of course	Course Start date	Course End date	Course Exam date	Enrollment End date
1	15 noc21-ae11 Aerospace Engineering Introduction to Aerospace Engineering Prof. Rajkumar Pant, IITB	12 Weeks Rerun	July 26, 2021	October 15, 2021	October 24, 2021	August 02, 2021
2	16 noc21-ae12 Aerospace Engineering Introduction to Aircraft Design Prof. Rajkumar Pant, IITB	12 Weeks Rerun	July 26, 2021	October 15, 2021	October 23, 2021	August 02, 2021
3	20 noc21-ag01 Agriculture Engineering Fundamentals of Food Process Engineering Prof. Jayeeta Mitra, IITKGP	12 Weeks Rerun	July 26, 2021	October 15, 2021	October 23, 2021	August 02, 2021
4	26 noc21-ag07 Agriculture Engineering Thermal Processing of Foods Prof. R. Anandalakshmi, IITG	12 Weeks Rerun	July 26, 2021	October 15, 2021	October 23, 2021	August 02, 2021
5	71 noc21-ch31 Chemical Engineering Heat Transfer Prof. Sunando Dasgupta, IITKGP	12 Weeks Rerun	July 26, 2021	October 15, 2021	October 23, 2021	August 02, 2021

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6	82 noc21-ch42 Chemical Engineering Technologies For Clean And Renewable Energy Production Prof. P. Mondal, IITR	8 Weeks Rerun	July 26, 2021	September 17, 2021	September 26, 2021	August 02, 2021
7	90 noc21-ch50 Chemical Engineering Material & Energy Balance Computations Prof. Arnab Atta Prof. Rabibrata Mukherjee, IITKGP	12 Weeks New	July 26, 2021	October 15, 2021	October 24, 2021	August 02, 2021
8	115 noc21-cy50 Chemistry Introduction to Polymer Science Prof. Dibakar Dhara, IITKGP	8 Weeks Rerun	July 26, 2021	September 17, 2021	September 26, 2021	August 02, 2021
9	126 noc21-ce48 Civil Engineering Water Economics and Governance Prof. Manoj Kumar Tiwari, IITKGP	12 Weeks Rerun	July 26, 2021	October 15, 2021	October 23, 2021	August 02, 2021
10	140 noc21-ce63 Civil Engineering Environmental Chemistry Prof. Bhanu Prakash Vellanki, IITR	12 Weeks Rerun	July 26, 2021	October 15, 2021	October 23, 2021	August 02, 2021
11	159 noc21-cs58 Computer Science and Engineering Data Base Management System Prof. Partha Pratim Das Prof. Samiran Chattopadhyay, IITKGP	8 Weeks Rerun	July 26, 2021	September 17, 2021	September 26, 2021	August 02, 2021
12	163 noc21-cs62 Computer Science and Engineering Cloud computing Prof. Soumya Kanti Ghosh, IITKGP	8 Weeks Rerun	August 23, 2021	October 15, 2021	October 23, 2021	August 23, 2021
13	164 noc21-cs63 Computer Science and Engineering Introduction to internet of things Prof. Sudip Misra, IITKGP	12 Weeks Rerun	July 26, 2021	October 15, 2021	October 24, 2021	August 02, 2021
14	167 noc21-cs66 Computer Science and Engineering Introduction to Industry 4.0 and Industrial Internet of Things Prof. Sudip Misra, IITKGP	12 Weeks Rerun	July 26, 2021	October 15, 2021	October 23, 2021	August 02, 2021
15	168 noc21-cs67 Computer Science and Engineering Programming, Data Structures And Algorithms Using Python Prof. Madhavan Mukund, CMI.	8 Weeks Rerun	July 26, 2021	September 17, 2021	September 26, 2021	August 02, 2021

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16	170 noc21-cs69 Computer Science and Engineering Data Science for Engineers Prof. Rangunathan Rengasamy Prof. Shankar Narasimhan,IITM	8 Weeks Rerun	July 26, 2021	September 17, 2021	September 26, 2021	August 02, 2021
17	171 noc21-cs70 Computer Science and Engineering Introduction to Machine Learning Prof. Balaraman Ravindran, IITM	12 Weeks Rerun	July 26, 2021	October 15, 2021	October 24, 2021	August 02, 2021
18	179 noc21-cs78 Computer Science and Engineering Python for Data Science Prof. Rangunathan Rengasamy,IITM	4 Weeks Rerun	July 26, 2021	August 20, 2021	September 26, 2021	August 02, 2021
19	181 noc21-cs80 Computer Science and Engineering Discrete Mathematics Prof. Sudarshan Iyengar,IIT Ropar	12 Weeks Rerun	July 26, 2021	October 15, 2021	October 23, 2021	August 02, 2021
20	185 noc21-cs84 Computer Science and Engineering Modern Algebra Prof. Manindra Agrawal,IITK	8 Weeks Rerun	August 23, 2021	October 15, 2021	October 24, 2021	August 23, 2021
21	186 noc21-cs85 Computer Science and Engineering Introduction to Machine Learning - IITKGP Prof. Sudeshna Sarkar,IITKGP	8 Weeks Rerun	July 26, 2021	September 17, 2021	September 26, 2021	August 02, 2021
22	187 noc21-cs86 Computer Science and Engineering Big Data Computing Prof. Rajiv Misra, IIT Patna	8 Weeks Rerun	August 23, 2021	October 15, 2021	October 24, 2021	August 23, 2021
23	210 noc21-de13 Design Engineering Introduction to robotics Prof. Asokan T Prof. Balaraman Ravindran Prof. Krishna Vasudevan,IITM	12 Weeks Rerun	July 26, 2021	October 15, 2021	October 24, 2021	August 02, 2021
24	211 noc21-de14 Design Engineering Innovation by Design Prof. B. K. Chakravarthy, IITB	4 Weeks Rerun	August 23, 2021	September 17, 2021	October 24, 2021	August 23, 2021
25	212 noc21-de15 Design Engineering Understanding Design Prof. Nina Sabnani,IITB	4 Weeks Rerun	August 23, 2021	September 17, 2021	October 24, 2021	August 23, 2021
26	213 noc21-de16 Design Engineering Design, Technology and Innovation Prof. B. K. Chakravarthy, IITB	8 Weeks Rerun	August 23, 2021	October 15, 2021	October 23, 2021	August 23, 2021

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27	213 noc21-de16 Design Engineering Design, Technology and Innovation Prof. B. K. Chakravarthy, IITB	8 Weeks Rerun	August 23, 2021	October 15, 2021	October 23, 2021	August 23, 2021
28	215 noc21-hs56 Economics Environmental & Resource Economics Prof. Sabuj Kumar Mandal, IITM	12 Weeks New	July 26, 2021	October 15, 2021	October 23, 2021	August 02, 2021
29	218 noc21-ee62 Electrical and Electronics Engineering Design of photovoltaic systems Prof. L Umanand, IISc	12 Weeks Rerun	July 26, 2021	October 15, 2021	October 24, 2021	August 02, 2021
30	219 noc21-ee63 Electrical and Electronics Engineering Advances in UHV Transmission and Distribution Prof. Subbba Reddy, IISc	8 Weeks Rerun	July 26, 2021	September 17, 2021	September 26, 2021	August 02, 2021
31	234 noc21-ee78 Electrical and Electronics Engineering Digital Image Processing Prof. Prabir Kumar Biswas, IITKGP	12 Weeks Rerun	July 26, 2021	October 15, 2021	October 23, 2021	August 02, 2021
32	237 noc21-ee81 Electrical and Electronics Engineering Optical Engineering Prof. Shanti Bhattacharya, IITM	12 Weeks Rerun	July 26, 2021	October 15, 2021	October 24, 2021	August 02, 2021
33	246 noc21-ee90 Electrical and Electronics Engineering Enclosure design of electronics equipment Prof. N. V Chalapathi Rao, IISc	12 Weeks Rerun	July 26, 2021	October 15, 2021	October 24, 2021	August 02, 2021
34	252 noc21-ee96 Electrical and Electronics Engineering Dc Microgrid and Control System Prof. Avik Bhattacharya, IITR	8 Weeks Rerun	July 26, 2021	September 17, 2021	September 26, 2021	August 02, 2021
35	271 noc21-hs57 Humanities and Social Sciences Developing Soft Skills and Personality Prof. T. Ravichandran, IITK	8 Weeks Rerun	August 23, 2021	October 15, 2021	October 24, 2021	August 23, 2021
36	275 noc21-hs61 Humanities and Social Sciences Educational leadership Prof. Atasi Mohanty, IITKGP	8 Weeks Rerun	July 26, 2021	September 17, 2021	September 26, 2021	August 02, 2021
37	276 noc21-hs62 Humanities and Social Sciences Health Research Fundamentals Prof. P. Manickam, NIE	8 Weeks Rerun	July 26, 2021	September 17, 2021	September 26, 2021	August 02, 2021

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38	284 noc21-hs70 Humanities and Social Sciences Patent Drafting for Beginners Prof. Feroz Ali, IITM	4 Weeks Rerun	July 26, 2021	August 20, 2021	September 26, 2021	August 02, 2021
39	290 noc21-hs76 Humanities and Social Sciences Soft skills Prof. Binod Mishra, IITR	12 Weeks Rerun	July 26, 2021	October 15, 2021	October 24, 2021	August 02, 2021
40	291 noc21-hs77 Humanities and Social Sciences Energy Economics And Policy Prof. Shyamasree Dasgupta, IIT Mandi	8 Weeks Rerun	August 23, 2021	October 15, 2021	October 24, 2021	August 23, 2021
41	293 noc21-hs79 Humanities and Social Sciences German - I Prof. Milind Brahme, IITM	12 Weeks Rerun	July 26, 2021	October 15, 2021	October 23, 2021	August 02, 2021
42	294 noc21-hs80 Humanities and Social Sciences German - II Prof. Milind Brahme, IITM	12 Weeks Rerun	July 26, 2021	October 15, 2021	October 24, 2021	August 02, 2021
43	295 noc21-hs81 Humanities and Social Sciences Sociology of Development Prof. Sambit Mallick, IITG	12 Weeks New	July 26, 2021	October 15, 2021	October 24, 2021	August 02, 2021
44	297 noc21-hs83 Humanities and Social Sciences Environment and Development Prof. Ngamjahao Kipgen, IITG	12 Weeks New	July 26, 2021	October 15, 2021	October 23, 2021	August 02, 2021
45	299 noc21-hs85 Humanities and Social Sciences Development Research Methods Prof. Rajshree Bedamatta, IITG	8 Weeks Rerun	August 23, 2021	October 15, 2021	October 24, 2021	August 23, 2021
46	307 noc21-hs93 Humanities and Social Sciences Body language: Key to professional Success Prof. Rashmi Gaur, IITR	4 Weeks Rerun	July 26, 2021	August 20, 2021	September 26, 2021	August 02, 2021
47	316 noc21-hs102 Humanities and Social Sciences Entrepreneurship and IP Strategy Prof. Gouri Gargate, IITKGP	8 Weeks Rerun	July 26, 2021	September 17, 2021	September 26, 2021	August 02, 2021
48	317 noc21-hs103 Humanities and Social Sciences Patent Search for Engineers and Lawyers Prof. M Padmavati , Prof. Shreya Matilal, IITKGP	8 Weeks Rerun	August 23, 2021	October 15, 2021	October 23, 2021	August 23, 2021

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49	319 noc21-lw01 Law Right to Information and Good Governance Prof. Sairam Bhat, National Law School of India University	12 Weeks Rerun	July 26, 2021	October 15, 2021	October 24, 2021	August 02, 2021
50	323 noc21-mg49 Management Human resource development Prof. KBL Srivastava, IITKGP	12 Weeks Rerun	July 26, 2021	October 15, 2021	October 23, 2021	August 02, 2021
51	327 noc21-mg53 Management Design Thinking - A Primer Prof. Ashwin Mahalingam Prof. Bala Ramadurai, IITM	4 Weeks Rerun	July 26, 2021	August 20, 2021	September 26, 2021	August 02, 2021
52	329 noc21-mg55 Management/Multidisciplinary Strategic Communication for Sustainable Development Prof. Aradhna Malik, IITKGP	4 Weeks Rerun	July 26, 2021	August 20, 2021	September 26, 2021	August 02, 2021
53	330 noc21-mg56 Management Knowledge Management Prof. KBL Srivastava, IITKGP	8 Weeks Rerun	July 26, 2021	September 17, 2021	September 26, 2021	August 02, 2021
54	331 noc21-mg57 Management Gender justice and workplace security Prof. Dipa Dube, IITKGP	4 Weeks Rerun	August 23, 2021	September 17, 2021	October 23, 2021	August 23, 2021
55	333 noc21-mg59 Management Industrial Safety Engineering Prof. Jhareswar Maiti, IITKGP	12 Weeks Rerun	July 26, 2021	October 15, 2021	October 23, 2021	August 02, 2021
56	334 noc21-mg60 Management Ethics in Engineering Practice Prof. Susmita Mukhopadhyay, IITKGP	8 Weeks Rerun	August 23, 2021	October 15, 2021	October 23, 2021	August 23, 2021
57	335 noc21-mg61 Management Working Capital Management Prof. Anil K. Sharma, IITR	12 Weeks Rerun	July 26, 2021	October 15, 2021	October 24, 2021	August 02, 2021
58	337 noc21-mg63 Management Innovation, Business Models and Entrepreneurship Prof. Rajat Agarwal Prof. Vinay Sharma, IITR	8 Weeks Rerun	August 23, 2021	October 15, 2021	October 24, 2021	August 23, 2021

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59	342 noc21-mg68 Management Manufacturing Strategy Prof. Rajat Agarwal, IITR	8 Weeks Rerun	July 26, 2021	September 17, 2021	September 26, 2021	August 02, 2021
60	348 noc21-mg74 Management Decision-Making Under Uncertainty Prof. N. Gautam, Texas A&M Univ.	4 Weeks Rerun	August 23, 2021	September 17, 2021	October 24, 2021	August 23, 2021
61	370 noc21-mg96 Management Intellectual Property Rights and Competition Law Prof. KD Raju, Prof. Niharika Sahoo Bhattacharya, IITKGP	8 Weeks Rerun	July 26, 2021	September 17, 2021	September 26, 2021	August 02, 2021
62	374 noc21-ma38 Mathematics Essential Mathematics for Machine Learning Prof. Sanjeev Kumar Prof. S.K. Gupta, IITR	8 Weeks + 4 Weeks new Rerun	July 26, 2021	October 15, 2021	October 24, 2021	August 02, 2021
63	418 noc21-me76 Mechanical Engineering Robotics Prof. DK Pratihar, IITKGP	8 Weeks Rerun	July 26, 2021	September 17, 2021	September 26, 2021	August 02, 2021
64	420 noc21-me78 Mechanical Engineering Advances in welding and joining technologies Prof. Swarup Bag, IITG	8 Weeks Rerun	July 26, 2021	September 17, 2021	September 26, 2021	August 02, 2021
65	425 noc21-me83 Mechanical Engineering Product Design and Development Prof. Inderdeep Singh, IITR	4 Weeks Rerun	July 26, 2021	August 20, 2021	September 26, 2021	August 02, 2021
66	476 noc21-mm23 Metallurgical and Materials Engineering Energy conservation and waste heat recovery Prof. Prasanta Kr Das Prof. A Bhattacharya, IITKGP	12 Weeks Rerun	July 26, 2021	October 15, 2021	October 23, 2021	August 02, 2021
67	487 noc21-mm34 Metallurgical and Materials Engineering Electrochemical Energy Storage Prof. Subhasish Basu Majumder, IITKGP	12 Weeks New	July 26, 2021	October 15, 2021	October 23, 2021	August 02, 2021

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68	497 noc21-ge18 Multidisciplinary Stress Management Prof. Rajlakshmi Guha, IITKGP	4 Weeks Rerun	July 26, 2021	August 20, 2021	September 26, 2021	August 02, 2021
69	499 noc21-ge20 Multidisciplinary Fundamentals Of Artificial Intelligence Prof. Shyamanta M. Hazarika, IITG	12 Weeks Rerun	July 26, 2021	October 15, 2021	October 23, 2021	August 02, 2021
70	502 noc21-ge23 Multidisciplinary Solar Energy Engineering and Technology Prof. Pankaj Kalita, IITG	12 Weeks Rerun	July 26, 2021	October 15, 2021	October 23, 2021	August 02, 2021

