## Proposed List of MOOCs (NPTEL July-December -2023 time line) for B.E. Degree Honors

Table 1. List of certifiable courses approved for earning the extra credits under type Disciplinary (EEE)

Table 1. List of certifiable courses approved for earning the extra credits under type Disciplinally (EEE)											
SI. No.	Course Code	Course Title	Course Area	Name of the Subject and Subject matter Expert's name	Course Duration in weeks	Credits	Course Session	Start Date	End date	Exam Date	Enrollment End Date
		Design of Photovoltaic									
1	noc23-ee-107	Systems	Electrical and Electronics Engineering	Design of Photovoltaic Systems, Prof. L Umanand	12 weeks		July-December 2023	July 24.2023	Oct 13, 2023	Oct 29,2023	July 31, 2023
		Smart Grid: Basics To		Smart Grid: Basics To Advanced TechnologiesProf. N.P. Padhy							
2	noc23-ee-124	Advanced Technologies	Electrical and Electronics Engineering	Prof. Premalata Jena	12 weeks		July-December 2023	July 24, 2023	October 13, 2023	October 29, 2023	July 31, 2023
3	noc23-ee83	Phase-Locked Loops	Electrical and Electronics Engineering	Phase-Locked Loops, Prof. Saurabh Saxena	12 Weeks		July-December 2023	July 24, 2023	October 13, 2023	October 28, 2023	August 18, 2023
		Advances In Uhv									
		Transmission And									
4	noc23-ee92	Distribution	Electrical and Electronics Engineering	Advances In Uhv Transmission And Distribution, Prof Subba Reddy	8 Weeks		July-December 2023	July 24, 2023	September 15, 2023	September 24, 2023	July 31, 2023
		Transducers For									
5	noc23-ee105	Instrumentation	Electrical and Electronics Engineering	Transducers For Instrumentation, Ankur Gupta	12 Weeks		July-December 2027	July 24, 2023	October 13, 2023	October 29, 2023	July 31, 2023
6	noc23-ee108	Enclosure Design Of Electronics Equipment Information Devices	Electrical and Electronics Engineering	Enclosure Design Of Electronics Equipment, Prof. N. V Chalapathi Rao	12 Weeks		July-December 2028	July 24, 2023	October 13, 2023	October 29, 2023	July 31, 2023
7	noc23-ee120	To Circuits	Electrical and Electronics Engineering	Microelectronics: Devices To Circuits, Prof. Sudeb Dasgupta	12 Weeks		July-December 2029	July 24, 2023	October 13, 2023	October 29, 2023	July 31, 2023
8	noc23-ee122	Continuous Control Systems: Applications With Matlab Programming And Simulink	Electrical and Electronics Engineering	Advanced Linear Continuous Control Systems: Applications With Matlab Programming And Simulink, Prof. Yogesh Vijay Hote	8 Weeks		July-December 2030	July 24, 2023	September 15, 2023	September 24, 2023	July 31, 2023
9	noc23-ee123	Dc Microgrid And Control Systems	Electrical and Electronics Engineering	Dc Microgrid And Control Systems, Prof. Avik Bhattacharya	8 Weeks		July-December 2031	July 24, 2023	September 15, 2023	September 24, 2023	July 31, 2023
10	noc23-ee126	System Analysis	Electrical and Electronics Engineering	Electrical Distribution System Analysis, Prof. G. B. Kumbhar	8 Weeks		July-December 2032	July 24, 2023	September 15, 2023	September 24, 2023	July 31, 2023
11	noc23-ee134	Digital Control in Switched Mode Power Converters and FPGA-based	Electrical and Electronics Engineering	Digital Control in Switched Mode Power Converters and FPGA-based Prototyping, Prof. Santanu Kapat	12 Weeks		July-December 2033	July 24, 2023	October 13, 2023	October 29, 2023	July 31, 2023
12	noc23-ee135	VLSI Interconnects	Electrical and Electronics Engineering	VLSI Interconnects, Prof. Sarang Pendharker	8 Weeks		July-December 2034	July 24, 2023	September 15, 2023	September 24, 2023	July 31, 2023
13	noc23-ee140	Design Of Electric Motors	Electrical and Electronics Engineering	Design Of Electric Motors, Prof. Prathap Reddy	12 Weeks		July-December 2035	July 24, 2023	October 13, 2023	October 29, 2023	July 31, 2023
14	noc23-ee142	Analog VLSI Design	Electrical and Electronics Engineering	Analog VLSI Design, Prof. Imon Mondal	12 Weeks		July-December 2036	July 24, 2023	October 13, 2023	October 29, 2023	July 31, 2023
15	noc23-ee82	Semiconductor Devices System Design Through	Electrical and Electronics Engineering	Introduction To Semiconductor Devices	12 Weeks		July-December 2037	July 24, 2023	October 13, 2023	October 29, 2023	July 31, 2023
16	noc23-ee88	Verilog  Applied Electromagnetics	Electrical and Electronics Engineering	System Design Through Verilog, Prof. Shaik Rafi Ahamed	8 Weeks		July-December 2038	July 24, 2023	September 15, 2023		July 31, 2023
17	noc23-ee96	For Engineers	Electrical and Electronics Engineering	Applied Electromagnetics For Engineers, Prof. Pradeep Kumar K	12 Weeks		July-December 2039	July 24, 2023	October 13, 2023	October 29, 2023	July 31, 2023

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

SI No	Abot Agricol	Course Title	Course Area	Name of the Subject and Subject matter Expert's name	Course Duration in weeks	Credits	Course Session	Start Date	End date	Exam Date	Enrollment End Date
		Basic Environmental Engineering And Pollution		Basic Environmental Engineering And Pollution Abatement, Prof. P. Mondal							
:	noc23-ch72	Abatement	Chemical Engineering		12 weeks		July-December 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
	noc23-cs116	Design & Implementation Of	Computer Science and Engineering	Design & Implementation Of Human-Computer Interfaces, Prof. Samit Bhattacharya	12 weeks		July Docombox 2022	Luly 24, 2022	October 13, 2023	October 28, 2023	July 21, 2022
3	noc23-cs71	Modern Algebra	Computer Science and Engineering  Computer Science and Engineering	Modern Algebra, Prof. Manindra Agrawal	8 weeks		July-December 2023 July-December 2023	July 24, 2023 August 21, 2023	October 13, 2023	October 28, 2023	July 31, 2023 August 21, 2023
4	noc23-cs76	U,	Computer Science and Engineering	Hardware Modeling Using Verilog, Prof. Indranil Sengupta	8 weeks		July-December 2023	July 24, 2023	September 15, 2023	September 24, 2023	July 31, 2023
!	noc23-cs82	And Industrial Internet Of Things	Computer Science and Engineering	Introduction To Industry 4.0 And Industrial Internet Of Things, Prof. Sudip Misra	12 weeks		July-December 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
(	noc23-cs97	Data Science For Engineers,	Computer Science and Engineering	Data Science For Engineers, Prof. Ragunathan Rengasamy, Prof. Shankar Nara	8 weeks		July-December 2023	July 24, 2023	September 15, 2023	September 24, 2023	July 31, 2023
	noc23-cs99	Python For Data Science.	Computer Science and Engineering	Python For Data Science. Prof. Ragunathan Rengasamy	4 weeks		July-December 2023	July 24, 2023	August 18, 2023	September 24, 2023	July 31, 2023
	noc23-cs127	Cyber Security and Privacy	Computer Science and Engineering	Cyber Security and Privacy, Prof. Saji K Mathew	12 weeks		July-December 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
	noc23-cs110	Deep Learning	Computer Science and Engineering	Deep Learning - "Prof. Sudarshan Iyengar, Prof. Padmavati"	12 weeks		July-December 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
9	noc23-de10	Control Systems,	Design Engineering	Control Systems, Prof. C.S.Shankar Ram	12 weeks		July-December 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
10	noc23-de14	System Design For Sustainability,	Design Engineering	System Design For Sustainability, Prof. Sharmistha Banerjee	12 weeks		July-December 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
1:	noc23-de18	Innovation By Design,	Design Engineering	Innovation By Design, Prof. B. K. Chakravarthy	4 weeks		July-December 2023	July 24, 2023	August 18, 2023	September 24, 2023	July 31, 2023

12	noc23-de19	Understanding Design	Design Engineering	Understanding Design, Prof. Nina Sabnani	4 weeks	July-December 2023	July 24, 2023	August 18, 2023	September 24, 2023	July 31, 2023
		Economics Of Banking And		Economics Of Banking And Finance Markets, Prof. Sukumar Vellakkal						
13	noc23-ec02	Finance Markets	Economics		12 weeks	July-December 2023	July 24, 2023	October 13, 2023	October 29, 2023	July 31, 2023
		Basics Of Health Promotion		Basics Of Health Promotion And Education Intervention, Prof. Arista Lahiri, Prof.						
14	noc23-ge26	And Education Intervention	Health sciences		8 weeks	July-December 2023	July 24, 2023	September 15, 2023	September 24, 2023	July 31, 2023
15	noc23-ge36	Research Methodology,	Multidisciplinary	Research Methodology, Prof. Edamana Prasad, Prof. Prathap Haridoss	8 weeks	July-December 2023	August 21, 2023	October 13, 2023	October 28, 2023	August 21, 2023
16	noc23-ge42	Learning Analytics Tools	Multidisciplinary	Learning Analytics Tools, Prof. Ramkumar Rajendran	12 weeks	July-December 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
17	noc23-ge47	Sustainable Power Generation Systems	Multidisciplinary, Energy, Mechanical Engineering, Electrical Engineering and Chemical Engineering	Sustainable Power Generation Systems, Prof. Pankaj Kalita	12 weeks	July-December 2023	July 24, 2023	October 13, 2023	October 29, 2023	July 31, 2023
	noc23-ge40	Fundamentals Of Artificial Intelligence	Multidisciplinary	Fundamentals Of Artificial Intelligence, Prof. Shyamanta M. Hazarika,	12 weeks	July-December 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
	noc23-ge33	Ecology And Environment	Multidisciplinary	Ecology And Environment, Prof. Abhijit Deshpande Prof. R. Ravi Krishna	8 weeks	July-December 2023	August 21, 2023	October 13, 2023	October 28, 2023	August 21, 2023
18	noc23-hs100	Economics of Ipr	Humanities and Social Sciences	Economics of Ipr, Prof. Nalin Bharti	4 weeks	July-December 2023	July 24, 2023	August 18, 2023	September 24, 2023	July 31, 2023
19	noc23-hs116	Developing Soft Skills And Personality	Humanities and Social Sciences	Developing Soft Skills And Personality, Prof. T Ravichandran	8 weeks	July-December 2023	July 24, 2023	September 15, 2023	September 24, 2023	July 31, 2023
20	noc23-hs131	Developing Soft Skills And Personality,	Humanities and Social Sciences	Science, Technology And Society, Prof. Sambit Mallick	12 weeks	July-December 2023	July 24, 2023	October 13, 2023	October 28, 2023	July 31, 2023
21		Stress Management,	Humanities and Social Sciences	Stress Management, Prof. Rajlakshmi Guha	4 weeks	July-December 2023	August 21, 2023	September 15, 2023	October 28, 2023	August 21, 2023
22	noc23-hs145	Soft Skills	Humanities and Social Sciences	Soft Skills, Prof. Binod Mishra	12 weeks	July-December 2023	July 24, 2023	October 13, 2023	October 29, 2023	July 31, 2023
23	noc23-hs89	Moral Thinking: An Introduction To Values And Ethics	Humanities and Social Sciences	Moral Thinking: An Introduction To Values And Ethics, Prof. Vineet Sahu	4 weeks	July-December 2023	August 21, 2023	September 15, 2023	October 29, 2023	August 21, 2023
24						July-December 2023				
25 27 28 29 30 31 32 33 34 35 36 37 38										