

Proposed List of MOOCs (NPTEL Jan-April-2023 time line) for B.E. Degree Honors
Table 1. List of certifiable courses approved for earning the extra credits under type Disciplinary

Sl. No.	Course Code	Course Title	Course Area	Name of the Subject and Subject matter Expert's name	Course Duration in weeks	Credits	Name of the Board of Studies	Disciplinary Courses	Course Session	Start Date	End date	Exam Date	Enrollment End Date
1	18EC32	Network Theory	Electrical Engineering	Network Analysis, Prof. Tapas Kumar Bhattacharya	12 Weeks	3	Electronics and Communication Engineering	Electrical Engineering	12 Weeks	January 23, 2023	April 14, 2023	April 30, 2023	January 30, 2023
2	18EC33	Electronic Devices	Electrical and Electronics Engineering	Analog Electronic Circuits - IITM, Prof. Shanthi Pavan	12 Weeks	3	Electronics and Communication Engineering	Electrical and Electronics Engineering	12 Weeks	January 23, 2023	April 14, 2023	April 29, 2023	January 30, 2023
3	18EC34	Digital System Design	Electrical and Electronics Engineering	Digital System Design, Prof. Neeraj Goel	12 Weeks	3	Electronics and Communication Engineering	Electrical and Electronics Engineering	12 Weeks	January 23, 2023	April 14, 2023	April 29, 2023	January 30, 2023
4	18EC35	Computer Organization and Architecture	Computer Science and Engineering	Advanced Computer Architecture, Prof. Smruti R.Sarangi	12 Weeks	3	Electronics and Communication Engineering	Electrical and Electronics Engineering	12 Weeks	January 23, 2023	April 14, 2023	April 30, 2023	January 30, 2023
5	18EC36	Power Electronics & Instrumentation	Electrical and Electronics Engineering	Fundamental of Power Electronics, Prof. L.Umanand	12 Weeks	3	Electronics and Communication Engineering	Electrical and Electronics Engineering	12 Weeks	January 23, 2023	April 14, 2023	April 30, 2023	January 30, 2023
6	18EC42	Analog Circuits	Electrical and Electronics Engineering	Analog Circuits, Prof. Jayanta Mukherjee	8 Weeks	2	Electronics and Communication Engineering	Electrical and Electronics Engineering	8 Weeks	January 23, 2023	March 17, 2023	March 26, 2023	January 30, 2023
7	18EC43	Control Systems	Electrical and Electronics Engineering	Control engineering, Prof. Ramkrishna.P	12 Weeks	3	Electronics and Communication Engineering	Electrical and Electronics Engineering	12 Weeks	January 23, 2023	April 14, 2023	April 29, 2023	January 30, 2023
8	18EC44	Engineering Statistics and Linear Algebra	Electrical and Electronics Engineering	Engineering Statistics, Prof. Manjesh Hanawal	12 Weeks	3	Electronics and Communication Engineering	Electrical and Electronics Engineering	12 Weeks	January 23, 2023	April 14, 2023	April 29, 2023	January 30, 2023
9	18EC45	Signals and Systems	Electrical and Electronics Engineering	Signals and Systems, Prof. Hitesh Shrimali Prof. Kushal K. Shah	12 Weeks	3	Electronics and Communication Engineering	Electrical and Electronics Engineering	12 Weeks	January 23, 2023	April 14, 2023	April 29, 2023	January 30, 2023
10	18EC46	Microcontroller	Electrical and Electronics Engineering	Microprocessors And Microcontrollers, Prof. Santanu Chattopadhyay	12 Weeks	3	Electronics and Communication Engineering	Electrical and Electronics Engineering	12 Weeks	January 23, 2023	April 14, 2023	April 29, 2023	January 30, 2023
11	18EC52	Digital Signal Processing	Electrical and Electronics Engineering	Digital Signal Processing, Prof. C.S.Ramalingam	12 Weeks	3	Electronics and Communication Engineering	Electrical and Electronics Engineering	12 Weeks	January 23, 2023	April 14, 2023	April 29, 2023	January 30, 2023
12	18EC53	Principles of Communication Systems	Electrical and Electronics Engineering	Principles of Communication Systems - I, Prof. Aditya K. Jagannatham	12 Weeks	3	Electronics and Communication Engineering	Electrical and Electronics Engineering	12 Weeks	January 23, 2023	April 14, 2023	April 30, 2023	January 30, 2023
13	18EC54	Information Theory & Coding	Electrical and Electronics Engineering	An Introduction to Information Theory, Prof. Adrish Banerjee	8 Weeks	2	Electronics and Communication Engineering	Electrical and Electronics Engineering	8 Weeks	January 23, 2023	March 17, 2023	March 26, 2023	January 30, 2023
14	18EC55	Electromagnetic Waves	Electrical and Electronics Engineering	Transmission lines and electromagnetic waves, Prof. Ananth Krishnan	12 Weeks	3	Electronics and Communication Engineering	Electrical and Electronics Engineering	12 Weeks	January 23, 2023	April 14, 2023	April 29, 2023	January 30, 2023
15	18EC61	Digital Communication	Electrical and Electronics Engineering	Principles of Digital Communications, Prof. Abhishek Dixit	12 Weeks	3	Electronics and Communication Engineering	Electrical and Electronics Engineering	12 Weeks	January 23, 2023	April 14, 2023	April 30, 2023	January 30, 2023
16	18EC62	Embedded Systems	Electrical and Electronics Engineering	Embedded Systems Design, Prof. Anupam Basu	12 Weeks	3	Electronics and Communication Engineering	Electrical and Electronics Engineering	12 Weeks	January 23, 2023	April 14, 2023	April 29, 2023	January 30, 2023
17	18EC63	Microwave and Antennas	Electrical and Electronics Engineering	Analysis And Design Principles Of Microwave Antennas, Prof. Amitabha Bhattacharya	12 Weeks	3	Electronics and Communication Engineering	Electrical and Electronics Engineering	12 Weeks	February 20, 2023	April 14, 2023	April 29, 2023	February 20, 2023
18	18EC71	Computer Networks	Electrical and Electronics Engineering	Advanced Computer Networks, Prof. Neminath Hubballi Prof. Sameer Kulkarni	12 Weeks	3	Electronics and Communication Engineering	Electrical and Electronics Engineering	12 Weeks	January 23, 2023	April 14, 2023	April 29, 2023	January 30, 2023
19	18EC72	VLSI Design	Electrical and Electronics Engineering	CMOS Digital VLSI Design, Prof. Sudabh Dasgupta	8 Weeks	2	Electronics and Communication Engineering	Electrical and Electronics Engineering	8 Weeks	January 23, 2023	March 17, 2023	March 26, 2023	January 30, 2023