

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 - Civil Engineering

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	noc23-ce05	Digital Land Surveying And Mapping (DLS&M)	Surveying	Digital Land Surveying And Mapping (DLS&M), Prof. Jayanta Kumar Ghosh	8	2	Civil Engineering	Civil Engineering	8 weeks of video session	January 23, 2023	March 17, 2023	March 26, 2023	January 30, 2023
2	noc23-ce06	Maintenance and Repair of Concrete Structures	Concrete Material Technology	Maintenance and Repair of Concrete Structures, Prof. Radhakrishna G. Pillai	12	3	Civil Engineering	Civil Engineering	12weeks of video session	January 23, 2023	April 14, 2023	April 29, 2023	January 30, 2023
3	noc23-ce08	Introduction to Accounting and Finance for Civil Engineers	Finance in Civil Engineering	Introduction to Accounting and Finance for Civil Engineers, Prof. K. N. Jha & Prof. Sudhir Misra	8	2	Civil Engineering	Civil Engineering	8 weeks of video session	January 23, 2023	March 17, 2023	March 26, 2023	January 30, 2023
4	noc23-ce11	Environmental Remediation of Contaminated Sites	Environmental Engineering	Environmental Remediation of Contaminated Sites, Prof. Bhanu Prakash Vellanki	12	3	Civil Engineering	Civil Engineering	12weeks of video session	January 23, 2023	April 14, 2023	April 29, 2023	January 30, 2023
5	noc23-ce16	Geographic Information Systems	Surveying	Prof. Arun K. Saraf	12	3	Civil Engineering	Civil Engineering	12weeks of video session	January 23, 2023	April 14, 2023	April 29, 2023	January 30, 2023
6	noc23-ce17	Earthquake Resistant Design of Foundations	Geotechnical Engineering	Prof. B. K. Maheshwari	8	2	Civil Engineering	Civil Engineering	8 weeks of video session	January 23, 2023	March 17, 2023	March 26, 2023	January 30, 2023
7	noc23-ce33	Advanced Foundation Engineering	Geotechnical Engineering	Prof. Kousik Deb	12	3	Civil Engineering	Civil Engineering	12weeks of video session	January 23, 2023	April 14, 2023	April 29, 2023	January 30, 2023
8	noc23-ce34	Soil Structure Interaction	Geotechnical Engineering	Prof. Kousik Deb	12	3	Civil Engineering	Civil Engineering	12weeks of video session	January 23, 2023	April 14, 2023	April 29, 2023	January 30, 2023
9	noc23-ce35	Hydraulic Engineering	Hydraulics	Prof. Mohammad Saud Afzal	12	3	Civil Engineering	Civil Engineering	12weeks of video session	January 23, 2023	April 14, 2023	April 29, 2023	January 30, 2023
10	noc23-ce36	Retaining and Rehabilitation of Civil Structures	Structural Maintenance	Prof. Swati Maitra Prof. Sriman Bhattacharya	12	3	Civil Engineering	Civil Engineering	12weeks of video session	January 23, 2023	April 14, 2023	April 29, 2023	January 30, 2023
11	noc23-ce42	Safety in Construction	Construction technology	Prof. J. Uma Maheswari	8	2	Civil Engineering	Civil Engineering	8 weeks of video session	January 23, 2023	March 17, 2023	March 26, 2023	January 30, 2023
12	noc23-ce45	Expansive Soil	Geotechnical Engineering	Prof. Anil K. Mishra	8	2	Civil Engineering	Civil Engineering	8 weeks of video session	January 23, 2023	March 17, 2023	March 26, 2023	January 30, 2023

Table 1. List of certifiable courses approved for earning the extra credits under type Interdisciplinary

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	noc23-ag07	Soil And Water Conservation Engineering	Water conservation	Prof. Rajendra Singh	12	3	Agriculture Engineering	Agriculture Engineering	12weeks of video session	January 23, 2023	April 14, 2023	April 29, 2023	January 30, 2023
2	noc23-ar02	Introduction to History of Architecture in India	Basic architecture	Prof. Pushkar Sohoni	4	1	Architecture and Planning	Architecture and Planning	4 weeks of video session	January 23, 2023	February 17, 2023	March 26, 2023	January 30, 2023
3	noc23-ar04	Environmental Impact Assessment	Environmental impact	Prof. Harshit Sosan Lakra	12	3	Architecture and Planning	Architecture and Planning	12weeks of video session	January 23, 2023	April 14, 2023	April 30, 2023	January 30, 2023
4	noc23-ar07	Urban Services Planning	Planning	Prof. Debapratim Pandit	12	3	Architecture and Planning	Architecture and Planning	12weeks of video session	January 23, 2023	April 14, 2023	April 29, 2023	January 30, 2023
5	noc23-ce01	Strategies for Sustainable Design	Sustainable design	Prof. Shiva Ji	12	3	Architecture, Civil and Design	Architecture, Civil and Design	12weeks of video session	January 23, 2023	April 14, 2023	April 30, 2023	January 30, 2023
6	noc23-ce51	Energy Efficiency, Acoustics and Daylighting in Building	Energy efficient building	Prof. B. Bhattacharjee	12	3	Civil Engineering and Architecture Engineering		12weeks of video session	January 23, 2023	April 14, 2023	April 30, 2023	January 30, 2023
7	noc23-cs05	An Introduction to Artificial Intelligence	Artificial Intelligence	Prof. Mausam	12	3	Computer Science and Engineering	Computer Science and Engineering	12weeks of video session	January 23, 2023	April 14, 2023	April 29, 2023	January 30, 2023
8	noc23-cs15	Structures And Algorithms Using Python	Data Structures	Prof. Madhavan Mukund	8	2	Computer Science and Engineering	Computer Science and Engineering	8 weeks of video session	January 23, 2023	March 17, 2023	March 26, 2023	January 30, 2023
9	noc23-cs18	Introduction to Machine Learning	Machine learning	Prof. Balaraman Ravindran	12	3	Computer Science and Engineering	Computer Science and Engineering	12weeks of video session	January 23, 2023	April 14, 2023	April 30, 2023	January 30, 2023
10	noc23-hs06	The Science of Happiness and Wellbeing	Personality development	Prof. Priyadarshi Patnaik Prof. Manas K Mandal	8	2	Humanities and Social Science	Humanities and Social Science	8 weeks of video session	February 20, 2023	April 14, 2023	April 29, 2023	February 20, 2023
11	noc23-hs10	Soft Skill Development	Personality development	Prof. V. N. Giri Prof. D. Suar	8	2	Humanities and Social Science	Humanities and Social Science	8 weeks of video session	January 23, 2023	March 17, 2023	March 26, 2023	January 30, 2023
12	noc23-mg41	Ethics In Engineering Practice	Ethics	Prof. Susmita Mukhopadhyay	8	2	Management	Management	8 weeks of video session	February 20, 2023	April 14, 2023	April 29, 2023	February 20, 2023
13	noc23-mg62	Investment Management	Management	Prof. Abhijeet Chandra	8	2	Management	Management	8 weeks of video session	February 20, 2023	April 14, 2023	April 29, 2023	February 20, 2023
14	noc23-hs74	Psychology for Managing Career and Life	Personality development	Prof. Ashish Pandey	8	2	Management, Psychology, Human Values	Psychology, Human Values	8 weeks of video session	February 20, 2023	April 14, 2023	April 30, 2023	February 20, 2023
15	noc23-mm01	Corrosion Protection Methods	Material conservation	Prof. Kallol Mondal	8	2	Materials Science & Engineering	Materials Science & Engineering	8 weeks of video session	February 20, 2023	April 14, 2023	April 29, 2023	February 20, 2023
16	noc23-ma10	Mathematical Modelling: Analysis and Applications	Modelling	Prof. Ameetia Kumar Nayak	4	1	Mathematics	Mathematics	4 weeks of video session	January 23, 2023	February 17, 2023	March 26, 2023	January 30, 2023