

Proposed List of MOOCs (NPTEL Jan-April-2023 time line) for B.E. Degree Honors for IP/IM/MA Board

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

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-me02	Machining Science	Mechanical Engineering	Prof. Sounak Kumar Choudhury	4 Weeks	1	IP/IM/MA	Yes	JAN -JUNE 2023	January 23, 2023	February 17, 2023	March 26, 2023	January 30, 2023
2	noc23-me04	Computational Fluid Dynamics for Incompressible Flows	Mechanical Engineering	Prof. Amaresh Dalal	12 Weeks	3	IP/IM/MA	Yes	JAN -JUNE 2024	January 23, 2023	April 14, 2023	April 29, 2023	January 30, 2023
3	noc23-me07	Robotics and Control : Theory and Practice	Mechanical Engineering	Prof. N. Sukavanam Prof. M. Felix Orlando	8 Weeks	2	IP/IM/MA	Yes	JAN -JUNE 2025	January 23, 2023	March 17, 2023	March 26, 2023	January 30, 2023
4	noc23-me14	Product Design and Manufacturing	Mechanical Engineering	Prof. J.Ramkumar Prof. Amandeep Singh	12 Weeks	3	IP/IM/MA	Yes	JAN -JUNE 2026	January 23, 2023	April 14, 2023	April 29, 2023	January 30, 2023
5	noc23-me20	Fundamental of Welding Science and Technology	Mechanical Engineering	Prof. Pankaj Biswas	8 Weeks	2	IP/IM/MA	Yes	JAN -JUNE 2027	January 23, 2023	March 17, 2023	March 26, 2023	January 30, 2023
6	noc23-me25	Manufacturing Process Technology I & II	Mechanical Engineering	Prof. Shantanu Bhattacharya	12 Weeks	3	IP/IM/MA	Yes	JAN -JUNE 2028	January 23, 2023	April 14, 2023	April 30, 2023	January 30, 2023
7	noc23-me33	Optimization from fundamentals	Mechanical Engineering	Prof. Ankur A. Kulkarni	12 Weeks	3	IP/IM/MA	Yes	JAN -JUNE 2029	January 23, 2023	April 14, 2023	April 29, 2023	January 30, 2023
8	noc23-me40	Traditional And Non-Traditional Optimization Tools	Mechanical Engineering	Prof. Dilip Kumar Pratihar	8 Weeks	2	IP/IM/MA	Yes	JAN -JUNE 2030	January 23, 2023	March 17, 2023	March 26, 2023	January 30, 2023
9	noc23-me67	Robotics: Basics and Selected Advanced Concepts	Mechanical Engineering	Prof. Ashitava Ghosal	12 Weeks	3	IP/IM/MA	Yes	JAN -JUNE 2031	January 23, 2023	April 14, 2023	April 30, 2023	January 30, 2023
10	noc23-mg16	Supply Chain Analytics	Management	Prof. Rajat Agrawal	8 Weeks	2	IP/IM/MA	Yes	JAN -JUNE 2032	February 20, 2023	April 14, 2023	April 29, 2023	February 20, 2023
12	noc23-mg19	Systems Engineering: Theory & Practice	Management	Prof. Deepu Philip	8 Weeks	2	IP/IM/MA	Yes	JAN -JUNE 2033	January 23, 2023	March 17, 2023	March 26, 2023	January 30, 2023
13	noc23-mg28	Leadership and Team Effectiveness	Management	Prof. Santosh Rangnekar	12 Weeks	3	IP/IM/MA	Yes	JAN -JUNE 2034	January 23, 2023	April 14, 2023	April 30, 2023	January 30, 2023
14	noc23-mg31	Organization Theory/Structure and Design	Management	Prof. Zillur Rahman	8 Weeks	2	IP/IM/MA	Yes	JAN -JUNE 2035	January 23, 2023	March 17, 2023	March 26, 2023	January 30, 2023
15	noc23-mg48	Safety and Risk Analytics	Management	Prof. Jharieswar Maiti	12 Weeks	3	IP/IM/MA	Yes	JAN -JUNE 2036	January 23, 2023	April 14, 2023	April 30, 2023	January 30, 2023
16	noc23-mg53	Modelling And Analytics For Supply Chain Management	Management	Prof. Kunal Kanti Ghosh Prof. Anupam Ghosh	12 Weeks	3	IP/IM/MA	Yes	JAN -JUNE 2037	January 23, 2023	April 14, 2023	April 30, 2023	January 30, 2023
17	noc23-mg55	Marketing Analytics	Management	Prof. Swagato Chatterjee	12 Weeks	3	IP/IM/MA	Yes	JAN -JUNE 2038	January 23, 2023	April 14, 2023	April 30, 2023	January 30, 2023
18	noc23-mg57	Organizational Design Change and Transformation	Management	Prof. Susmita Mukhopadhyay Prof. Sangeeta Sahney Prof. S. Srinivasan	12 Weeks	3	IP/IM/MA	Yes	JAN -JUNE 2039	January 23, 2023	April 14, 2023	April 30, 2023	January 30, 2023
19	noc23-mg59	Quality Control and Improvement with MINITAB	Management	Prof. Indrajit Mukherjee	8 Weeks	2	IP/IM/MA	Yes	JAN -JUNE 2040	February 20, 2023	April 14, 2023	April 29, 2023	February 20, 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-cs17	Data Science for Engineers	Computer Science and Engineering	Prof. Ragunathan Rengasamy Prof. Shankar Narasimhan	8 Weeks	2	IP/IM/MA	Yes	JAN -JUNE 2023	January 23, 2023	March 17, 2023	March 26, 2023	January 30, 2023
2	noc23-cs18	Introduction to Machine Learning	Computer Science and Engineering	Prof. Balaraman Ravindran	12 Weeks	3	IP/IM/MA	Yes	JAN -JUNE 2024	January 23, 2023	April 14, 2023	April 30, 2023	January 30, 2023

3	noc23-cs29	Introduction to Database Systems	Computer Science and Engineering	Prof. Sreenivasa Kumar	12 Weeks	3	IP/IM/MA	Yes	JAN -JUNE 2025	January 23, 2023	April 14, 2023	April 29, 2023	January 30, 2023
4	noc23-cs41	Data Base Management System	Computer Science and Engineering	Prof. Partha Pratim Das Prof. Samiran Chattopadhyay	8 Weeks	2	IP/IM/MA	Yes	JAN -JUNE 2026	January 23, 2023	March 17, 2023	March 26, 2023	January 30, 2023
5	noc23-cs52	Introduction To Industry 4.0 And Industrial Internet Of Things	Computer Science and Engineering	Prof. Sudip Misra	12 Weeks	3	IP/IM/MA	Yes	JAN -JUNE 2027	January 23, 2023	April 14, 2023	April 29, 2023	January 30, 2023
6	noc23-de06	Design, Technology and Innovation	Design Engineering	Prof. B. K. Chakravarthy	8 Weeks	2	IP/IM/MA	Yes	JAN -JUNE 2028	January 23, 2023	March 17, 2023	March 26, 2023	January 30, 2023
7	noc23-hs03	Computer Aided Decision Systems - Industrial practices using Big Analytics	Engineering / Science / Management	Prof. Deepu Philip Prof. Amandeep Singh Oberoi	12 Weeks	3	IP/IM/MA	Yes	JAN -JUNE 2029	January 23, 2023	April 14, 2023	April 29, 2023	January 30, 2023
8	noc23-hs37	Human Behaviour	Humanities and Social Sciences	Prof. Naveen Kashyap	8 Weeks	2	IP/IM/MA	Yes	JAN -JUNE 2030	February 20, 2023	April 14, 2023	April 29, 2023	February 20, 2023
9	noc23-mg28	Leadership and Team Effectiveness	Management	Prof. Santosh Rangnekar	12 Weeks	3	IP/IM/MA	Yes	JAN -JUNE 2031	January 23, 2023	April 14, 2023	April 30, 2023	January 30, 2023
10	noc23-mg31	Organization Theory/Structure and Design	Management	Prof. Zillur Rahman	8 Weeks	2	IP/IM/MA	Yes	JAN -JUNE 2032	January 23, 2023	March 17, 2023	March 26, 2023	January 30, 2023
11	noc23-mg37	Managing Change In Organizations	Management	Prof. Kbl Srivastava	8 Weeks	2	IP/IM/MA	Yes	JAN -JUNE 2033	January 23, 2023	March 17, 2023	March 26, 2023	January 30, 2023
12	noc23-mg48	Safety and Risk Analytics	Management	Prof. Jhareswar Maiti	12 Weeks	3	IP/IM/MA	Yes	JAN -JUNE 2034	January 23, 2023	April 14, 2023	April 30, 2023	January 30, 2023
13	noc23-mg57	Organizational Design Change and Transformation	Management	Prof. Susmita Mukhopadhyay Prof. Sangeeta Sahney Prof. S. Srinivasan	12 Weeks	3	IP/IM/MA	Yes	JAN -JUNE 2035	January 23, 2023	April 14, 2023	April 30, 2023	January 30, 2023
14	noc23-mg64	Advances in Strategic Human Resource Management (HRM)	Management	Prof. Ashish Pandey	4 Weeks	1	IP/IM/MA	Yes	JAN -JUNE 2036	February 20, 2023	March 17, 2023	April 29, 2023	February 20, 2023
15	noc23-ge20	Introduction to Reliability Engineering	Multidisciplinary	Prof. Neeraj Kumar Goyal	8 Weeks	2	IP/IM/MA	Yes	JAN -JUNE 2036	February 20, 2023	April 14, 2023	April 30, 2023	February 20, 2023