

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
	noc23-ae01	Aircraft Design	Aeronautical & Aerospace	Aircraft Design Prof. A.K.Ghosh	12	4	Aeronautical & Aerospace	Aerospace	12 Weeks of Video Session	January 23, 2023	April 14, 2023	April 30, 2023	January 30, 2023
	noc23-ae02	Introduction to Experiments in Flight	Aeronautical & Aerospace	Introduction to Experiments in Flight Prof. A.K.Ghosh	4 Weeks	4	Aeronautical & Aerospace	Aerospace	4 Weeks of Video Session	January 24, 2023	February 17, 2023	March 26, 2023	January 30, 2023
	noc23-ae03	Rocket Propulsion	Aeronautical & Aerospace	Rocket Propulsion Prof. K. Ramamurthi Prof. V. Nagabhushana Rao	12 Weeks	4	Aeronautical & Aerospace	Aerospace	12 Weeks of Video Session	January 25, 2023	April 14, 2023	April 30, 2023	January 30, 2023
	noc23-ae04	Computational Science in Engineering	Aeronautical & Aerospace	Computational Science in Engineering Prof. Ashok De	8 Weeks	4	Aeronautical & Aerospace	Aerospace	8 Weeks of Video Session	January 26, 2023	March 17, 2023	March 26, 2023	January 30, 2023
	noc23-ae05	Lighter than Air Systems	Aeronautical & Aerospace	Lighter than Air Systems Prof. Rajkumar S. Pant	12 Weeks	4	Aeronautical & Aerospace	Aerospace	12 Weeks of Video Session	January 27, 2023	April 14, 2023	April 30, 2023	January 30, 2023
	noc23-ae06	Fundamentals of Theoretical and Experimental Aerodynamics	Aeronautical & Aerospace	Fundamentals of Theoretical and Experimental Aerodynamics Prof. Arnab Roy	12 Weeks	4	Aeronautical & Aerospace	Aerospace	12 Weeks of Video Session	January 28, 2023	April 14, 2023	April 30, 2023	January 30, 2023
	noc23-ae07	Satellite Attitude Dynamics And Control	Aeronautical & Aerospace	Satellite Attitude Dynamics And Control Prof. Manoranjan Sinha	12 Weeks	4	Aeronautical & Aerospace	Aerospace	12 Weeks of Video Session	January 29, 2023	April 14, 2023	April 30, 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
	noc23-me04	Computational Fluid Dynamics for Incompressible Flows	Mechanical	Computational Fluid Dynamics for Incompressible Flows, Prof. Amaresh Dalal	12	4	Aeronautical & Aerospace	Aerospace	12 Weeks of Video Session	January 23, 2023	April 14, 2023	April 29, 2023	January 30, 2023
	noc23-me05	Failure analysis and Prevention	Mechanical	Failure analysis and Prevention Prof. D. K. Dwivedi	8	4	Aeronautical & Aerospace	Aerospace	8 Weeks of Video Session	February 20, 2023	April 14, 2023	April 30, 2023	February 20, 2023
	noc23-ee16	Control engineering	Electrical	Control engineering Prof. Ramkrishna.P	12 Weeks	4	Aeronautical & Aerospace	Aerospace	12 Weeks of Video Session	January 23, 2023	April 14, 2023	April 29, 2023	January 30, 2023
	noc23-ph04	Quantum Mechanics I	Physics	Quantum Mechanics I Prof. Ramadevi	12 Weeks	4	Aeronautical & Aerospace	Aerospace	12 Weeks of Video Session	January 23, 2023	April 14, 2023	April 30, 2023	January 30, 2023
	noc23-ph09	Fluid Dynamics for Astrophysics	Physics	Fluid Dynamics for Astrophysics Prof. Prasad Subramanian	12 Weeks	4	Aeronautical & Aerospace	Aerospace	13 Weeks of Video Session	January 23, 2023	April 14, 2023	April 30, 2023	January 30, 2023

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