



Department of Mechanical Engineering

Courses identified for Honors in Mechanical Engineering Degree

List of Swayam/NPTEL courses for the award of Honors in BE Mechanical Engineering (July to Dec 2022)

S. No	Course Id	Course Name	Institute	Duration	Start date	End date	Exam date	Enrollment End Date	Link to join the course	Credits
1	noc22-me123	Automation in Manufacturing	IITG	12 weeks	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	https://onlinecourses.nptel.ac.in/noc22_me123/preview	3
2	noc22-mm40	Advanced Materials And Processes	IITKGP	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	https://onlinecourses.nptel.ac.in/noc22_mm40/preview	3
3	noc22-mg97	Industrial Safety Engineering	IITKGP	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	https://onlinecourses.nptel.ac.in/noc22_mg97/preview	3
4	noc22-me117	Mathematical Modeling Of Manufacturing Processes	IITG	12 weeks	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	https://onlinecourses.nptel.ac.in/noc22_me117/preview	3
5	noc22-me133	Work System Design	IITR	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	https://onlinecourses.nptel.ac.in/noc22_me133/preview	3
6	noc22-de10	Functional and Conceptual Design	IITM	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	https://onlinecourses.nptel.ac.in/noc22_de10/preview	3
7	noc22-mg99	Knowledge Management	IITKGP	8 Weeks	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022	https://onlinecourses.nptel.ac.in/noc22_mg99/preview	2
8	noc22-mg75	Design Thinking - A Primer	IITM	4 Weeks	Aug 22, 2022	Sep 16, 2022	Oct 29, 2022	Aug 22, 2022	https://onlinecourses.nptel.ac.in/noc22_mg75/preview	1
9	noc22-de14	Innovation by Design	IITB	4 Weeks	Jul 25, 2022	Aug 19, 2022	Sep 25, 2022	Aug 1, 2022	https://onlinecourses.nptel.ac.in/noc22_de14/preview	1
10	noc22-de15	Understanding Design	IITM	4 Weeks	Jul 25, 2022	Aug 19, 2022	Sep 25, 2022	Aug 1, 2022	https://onlinecourses.nptel.ac.in/noc22_de15/preview	1
11	noc22-me132	Structural Analysis of Nanomaterials	IITR	4 Weeks	Jul 25, 2022	Aug 19, 2022	Sep 25, 2022	Aug 1, 2022	https://onlinecourses.nptel.ac.in/noc22_me132/preview	1
12	noc22-hs74	Patent Drafting for Beginners	IITM	4 Weeks	Jul 25, 2022	Aug 19, 2022	Sep 25, 2022	Aug 1, 2022	https://onlinecourses.nptel.ac.in/noc22_hs74/preview	1
13	noc22-me106	Heat Exchangers: Fundamentals and Design Analysis	IITKGP	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	https://onlinecourses.nptel.ac.in/noc22_me106/preview	3
14	noc22-ge28	Solar Energy Engineering and Technology	IITG	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	https://onlinecourses.nptel.ac.in/noc22_ge28/preview	3
15	noc22-me102	Advanced Fluid Mechanics	IITKGP	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	https://onlinecourses.nptel.ac.in/noc22_me102/preview	3
16	noc22-me125	Aircraft Propulsion	IITG	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	https://onlinecourses.nptel.ac.in/noc22_me125/preview	3
17	noc22-me104	Energy Conservation and waste heat recovery	IITKGP	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	https://onlinecourses.nptel.ac.in/noc22_me104/preview	3



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18	noc22-ch56	Fluidization Engineering	IITG	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	https://onlinecourses.nptel.ac.in/noc22_ch56/preview	3
19	noc22-me110	Fundamentals of Convective Heat Transfer	IITG	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	https://onlinecourses.nptel.ac.in/noc22_me110/preview	3
20	noc22-de12	System design for Sustainability	IITG	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	https://onlinecourses.nptel.ac.in/noc22_de12/preview	3
21	noc22-me116	Computational Continuum Mechanics	IITG	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022	https://onlinecourses.nptel.ac.in/noc22_me116/preview	3
22	noc22-me83	Engineering Fracture Mechanics	IITM	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	https://onlinecourses.nptel.ac.in/noc22_me83/preview	3
23	noc22-ge22	Numerical methods for Engineers	IITM	12 Weeks	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022	https://onlinecourses.nptel.ac.in/noc22_ge22/preview	3
24	noc22-me77	Foundations of Cognitive Robotics	IITK	4 Weeks	Jul 25, 2022	Aug 19, 2022	Sep 25, 2022	Aug 1, 2022	https://onlinecourses.nptel.ac.in/noc22_me77/preview	1

Head of the Department