

List of MOOCs for newly Admitted Students of ME for Even Term (January 2025) of A.Y. 2024-25

Course	Sem	Course Id	Category	Subject Name	Faculty Name	Institute	Duration	Credit	Link	Enrolment Date	Exam Registration Date	Swayam / NPTEL
Electrical Engineering(07) Power Electronics (29) Electrical Vehicle Engineering (64) Power Electronics and Electrical Drives (85) Power Systems (86)	3	noc25-ee57	MOPEC-1	Operation and Planning Of Power Distribution Systems	Prof. Sanjib Ganguly	IIT Guwahati	12 Weeks	3	https://nptel.ac.in/courses/117103149	January 27, 2025	February 14, 2025	NPTEL
Applied Instrumentation (67)	3	noc25-cs43	MOPEC-1	Introduction To Industry 4.0 And Industrial Internet Of Things	Prof. Sudip Misra	IIT Kharagpur	12 Weeks	3	https://nptel.ac.in/courses/106105195	January 27, 2025	February 14, 2025	NPTEL
	3	noc25-cs44	MOPEC-1	Introduction To Internet Of Things	Prof. Sudip Misra	IIT Kharagpur	12 Weeks	3	https://nptel.ac.in/courses/106105166	January 27, 2025	February 14, 2025	NPTEL
Computer Aided Process Design (72)	3	noc25-ch38	MOPEC-1	Polymer Reaction Engineering	Prof. Shishir Sinha	IIT Roorkee	12 Weeks	3	https://nptel.ac.in/courses/103107206	January 27, 2025	February 14, 2025	NPTEL
	3	noc25-mg57	MOPEC-1	Safety and Risk Analytics	Prof. Jhareswar Maiti	IIT	12 Weeks	3	https://nptel.ac.in/courses/110105160	January 27, 2025	February 14, 2025	NPTEL
	3	noc25-ch40	MOPEC-1	Renewable Energy Engineering: Solar, Wind And Biomass Energy Systems	Prof. Vaibhav Vasant Goud Prof. R. Anandalakshmi	IIT Guwahati	12 Weeks	3	https://nptel.ac.in/courses/103103206	January 27, 2025	February 14, 2025	NPTEL
Textile Engineering (25)	3	noc25-te05	MOPEC-1	Textile Product Design and Development	Prof. R Chattopadhyay	IIT Delhi	12 Weeks	3	https://nptel.ac.in/courses/116102058	January 27, 2025	February 14, 2025	NPTEL
Electronics & Communication Engineering (04) Electronics And Communication (Communication System Engineering) (05) Electronics And Communication (Signal Processing & VLSI Technology) (26) Electronics And Communication (Wireless Communication System and Networks) (27) VLSI System Design(42) VLSI Design(63)	3	noc25-mg12	MOPEC-1	Business Ethics	Prof. Susmita Mukhopadhyay	IIT Kharagpur	12 Weeks	3	https://nptel.ac.in/courses/110105079	January 27, 2025	February 14, 2025	NPTEL
CAD/CAM(68) Machine Design(78) Mechanical (I.C.Engine & Automobile Engineering)(80) Computer Aided Design Manufacturing and Engineering (71) Energy Engineering (75) Mechanical Engineering (CAD/CAM) (81) Cryogenic Engineering(74) Computer Aided Design and Manufacture(70) Mechanical Engineering (Thermal Engineering)(83) Production Engineering (87) Advanced Manufacturing Technology(66) Production Engineering(82) Mechanical Engineering (CAD/CAM)(08) Mechanical Engineering (79)	3	noc25-ge19	MOPEC-1	Introduction to Reliability Engineering	Prof. Neeraj Kumar Goyal	IIT Kharagpur	8 Weeks	2	https://nptel.ac.in/courses/1127105234	January 27, 2025	February 14, 2025	NPTEL
Computer Engineering(02) Information Technology(23) Computer Engineering(Software Engineering)(73) Computer Engineering(Cyber Security) (59) Internet Of Things (62) Artificial Intelligence and Data Science(95) Information Technology(Information and Cyber Warfare) (77)	3	noc25-cs09	MOPEC-1	Business Intelligence & Analytics	Prof. Saji K Mathew	IIT Madras	12 Weeks	3	https://nptel.ac.in/courses/106106361	January 27, 2025	February 14, 2025	NPTEL
	3	noc25-cs43	MOPEC-1	Introduction To Industry 4.0 And Industrial Internet Of Things	Prof. Sudip Misra	IIT Kharagpur	12 Weeks	3	https://nptel.ac.in/courses/106105195	January 27, 2025	February 14, 2025	NPTEL
Rubber Technology(88)	3	noc25-mm02	MOPEC-1	Advances in Additive Manufacturing of Materials: Current status and emerging opportunities	Prof. Bikramjit Basu	IISc Bangalore	12 Weeks	3	https://nptel.ac.in/courses/113108632	January 27, 2025	February 14, 2025	NPTL
	3	noc25-me33	MOPEC-1	Fundamentals of Surface Engineering: Mechanisms, Processes and Characterizations	Prof. D. K. Dwivedi	IIT Roorkee	12 Weeks	3	https://nptel.ac.in/courses/112107248	January 27, 2025	February 14, 2025	NPTL
	3	noc25-mg57	MOPEC-1	Safety and Risk Analytics	Prof. Jhareswar Maiti	IIT	12 Weeks	3	https://nptel.ac.in/courses/110105160	January 27, 2025	February 14, 2025	NPTL

Biomedical Engineering (31)	3	noc25-bt34	MOPEC-1	Microsensors, Implantable Devices and Rodent Surgeries for Biomedical Applications	Prof. Shabari Girishan K V Prof. Hardik J. Pandya	IISc Bangalore	12 Weeks	3	https://nptel.ac.in/courses/102108344	January 27, 2025	February 14, 2025	NPTEL
	3	noc25-bt12	MOPEC-1	Classics in Neuroscience	Prof. Varadhan SKM	IIT Madras	12 Weeks	3	https://nptel.ac.in/courses/102106339	January 27, 2025	February 14, 2025	NPTEL
	3	noc25-ee31	MOPEC-1	Embedded Sensing, Actuation and Interfacing Systems	Prof. Banibrata Mukherjee	IIT Kharagpur	12 Weeks	3	https://nptel.ac.in/courses/108105376	January 27, 2025	February 14, 2025	NPTEL
	3	noc25-hs101	MOPEC-1	Social Behavior and the Brain: An Introduction to Social Neuroscience	Prof. Ark Verma	IIT Kanpur	12 Weeks	3	https://nptel.ac.in/courses/109104607	February 17, 2025	February 24, 2025	NPTEL
Chemical Engineering(30)	3	noc25-ch09	MOPEC-1	Biomass Conversion and Biorefinery	Prof. Kaustubha Mohanty	IIT Guwahati	12 Weeks	3	https://nptel.ac.in/courses/103103207	January 27, 2025	February 14, 2025	NPTEL
	3	noc25-ch16	MOPEC-1	Chemical Process Utilities	Prof. Shishir Sinha	IIT Roorkee	12 Weeks	3	https://nptel.ac.in/courses/103107211	January 27, 2025	February 14, 2025	NPTEL
	3	noc25-ch40	MOPEC-1	Renewable Energy Engineering: Solar, Wind And Biomass Energy Systems	Prof. Vaibhav Vasant Goud Prof. R. Anandalakshmi	IIT Guwahati	12 Weeks	3	https://nptel.ac.in/courses/103103206	January 27, 2025	February 14, 2025	NPTEL
Civil Engineering (65)	3	noc25-ce21	MOPEC-1	Finite Element Method	Prof. Biswanath Banerjee	IIT	12 Week	3	https://onlinecourses.nptel.ac.in/noc25_ce21/preview	January 27, 2025	February 14, 2025	NPTEL
	3	noc25-ce46	MOPEC-1	Remote Sensing and GIS for Rural Development	Prof. Pennan Chinnasamy	IIT Bombay	12 Week	3	https://onlinecourses.nptel.ac.in/noc25_ce46/preview	January 27, 2025	February 14, 2025	NPTEL
	3	noc25-ce49	MOPEC-1	Retrofitting and Rehabilitation of Civil Infrastructure	Prof. Swati Maitra Prof. Sriman Bhattacharya	IIT Kharagpur	12 Week	3	https://onlinecourses.nptel.ac.in/noc25_ce49/preview	January 27, 2025	February 14, 2025	NPTEL
Civil(Water Resources Engineering)(33)	3	noc25-ce28	MOPEC-1	Geosynthetics and Reinforced Soil Structures	Prof. K.Rajagopal	IIT Madras	12 Weeks	3	https://nptel.ac.in/courses/105106052	January 27, 2025	February 14, 2025	NPTEL
Environmental Management (18)	3	noc25-ch40	MOPEC-1	Renewable Energy Engineering: Solar, Wind And Biomass Energy Systems	Prof. Vaibhav Vasant Goud Prof. R. Anandalakshmi	IIT Guwahati	12 Weeks	3	https://nptel.ac.in/courses/103103206	January 27, 2025	February 14, 2025	NPTEL
	3	noc25-ch30	MOPEC-1	Membrane Technology	Prof. Kaustubha Mohanty	IIT Guwahati	12 Weeks	3	https://nptel.ac.in/courses/103103163	January 27, 2025	February 14, 2025	NPTEL
Civil (Structural Engineering) (20) Geotechnical Engineering (76)	3	noc25-ce14	MOPEC-1	Earthquake Resistant Design of Foundations	Prof. B. K. Maheshwari	IIT Roorkee	8 Weeks	2	https://onlinecourses.nptel.ac.in/45684/preview	January 27, 2025	February 14, 2025	NPTEL
Civil Transportation Engineering (69) Civil (Construction Engineering and Management) (14)	3	noc25-mg34	MOPEC-1	Introduction to Operations Research	Prof. G. Srinivasan	IIT Madras	8 Weeks	2	https://onlinecourses.nptel.ac.in/noc24_mg30/preview	January 27, 2025	February 14, 2025	NPTEL
	3	noc25-de04	MOPEC-1	Strategies for Sustainable Design	Prof. Shiva Ji	IIT Hyderabad IIT Madras	12 weeks	3	https://onlinecourses.nptel.ac.in/noc25_de04/preview	January 27, 2025	February 14, 2025	NPTEL