

List of MOOCs for Students of Bachelor Engineering Odd Term (July 2025) of A.Y. 2024-25 and 2025-26. Students and Faculty Members are informed to go through the Revised MOOCs guidelines available on GTU website and all details of Courses on NPTEL / SWAYAM (PART-I)														
Sr. No	Branch Name	Branch Code	Sem	Course ID	Category (MOPEC/PEC)	Subject Name	Faculty Name	Offering Institute	Duration (Weeks)	Credits	Link	Enrollment Start Date	Enrollment End Date	Exam Registration End Date
1	Electronics Engineering, Electronics & Communication Engineering, Electronics & Communication (Communication System Engineering)	10, 11 & 54	5	noc25-ee129	PEC-01	Principles and Techniques of Modern Radar Systems	Prof. Amitabha Bhattacharya	IIT Kharagpur	12	3	https://onlinecourses.nptel.ac.in/noc25_ee129/preview	May 15, 2025	July 28, 2025	August 15, 2025
2			5	noc25-ee94	PEC-02	Introduction to Photonics	Prof. Balaji Srinivasan	IIT Madras	12	3	https://onlinecourses.nptel.ac.in/noc25_ee94/preview	May 15, 2025	July 28, 2025	August 15, 2025
3			5	noc25-ee114	MOPEC-02	An Introduction to Coding Theory	Prof. Adrish Banerjee	IIT Kanpur	8	2	https://onlinecourses.nptel.ac.in/noc25_ee114/preview	May 15, 2025	July 28, 2025	August 15, 2025
4			6	noc25-ee164	PEC-03	Passive Microwave Circuits, Devices, and Measurements	Prof. Debapratim Ghosh	IIT Bhubaneswar	12	3	https://onlinecourses.nptel.ac.in/noc25_ee164/preview	May 15, 2025	July 28, 2025	August 15, 2025
5			6	noc25-ee172	PEC-04	5G Wireless Standard Design	Prof. Rohit Budhiraja	IIT Kanpur	12	3	https://onlinecourses.nptel.ac.in/noc25_ee172/preview	May 15, 2025	July 28, 2025	August 15, 2025
6			6	noc25-ee120	MOPEC-03	Introduction to Adaptive Signal Processing	Prof. Mrityunjay Chakraborty	IIT Kharagpur	8	2	https://onlinecourses.nptel.ac.in/noc25_ee120/preview	May 15, 2025	August 18, 2025	August 29, 2025
7			7	noc25-ee185	PEC-05	RFIC Design	Prof. Imon Mondal	IIT Kanpur	12	3	https://onlinecourses.nptel.ac.in/noc25_ee185/preview	May 15, 2025	July 28, 2025	August 15, 2025
8			7	noc25-ee154	PEC-06	Neural Networks for Signal Processing - I	Prof. Shayan Srinivasa Garani	IISc Bangalore	12	3	https://onlinecourses.nptel.ac.in/noc25_ee154/preview	May 15, 2025	July 28, 2025	August 15, 2025
9			7	noc25-hs142	MOPEC-04	Soft Skill Development	Prof. Priyadarshi Patnaik, Prof. V. N. Giri, Prof. D. Suar	IIT Kharagpur	8	2	https://onlinecourses.nptel.ac.in/noc25_hs142/preview	May 15, 2025	July 28, 2025	August 15, 2025
10	Instrumentation and Control Engineering	17	5	noc25-mg90	PEC-01	Project Management for Managers	Prof. Mukesh Kumar Barua	IIT Roorkee	12	3	https://onlinecourses.nptel.ac.in/noc25_mg90/preview	July 21, 2025	July 28, 2025	August 15, 2025
11	Instrumentation and Control Engineering	17	5	noc25-cs103	PEC-02	The Joy of Computing using Python	Prof. Sudarshan Iyengar	IIT Ropar	12	3	https://onlinecourses.nptel.ac.in/noc25_cs103/preview	July 21, 2025	July 28, 2025	August 15, 2025
12	Instrumentation and Control Engineering	17	5	noc25-ee108	MOPEC-02	Sensor Technologies: Physics, Fabrication, and Circuits	Prof. Mitradip Bhattacharjee	IISER Bhopal	8	2	https://onlinecourses.nptel.ac.in/noc25_ee108/preview	July 21, 2025	July 28, 2025	August 15, 2025
13	Instrumentation and Control Engineering	17	6	noc25-cs91	PEC-03	Introduction to Machine Learning	Prof. Balaraman Ravindran	IIT Madras	12	3	https://onlinecourses.nptel.ac.in/noc25_cs91/preview	July 21, 2025	July 28, 2025	August 15, 2025
14	Instrumentation and Control Engineering	17	6	noc25-cs147	PEC-04	Introduction to Internet of Things	Prof. Sudip Misra	IIT Kharagpur	12	3	https://onlinecourses.nptel.ac.in/noc25_cs147/preview	July 21, 2025	July 28, 2025	August 15, 2025
15	Instrumentation and Control Engineering	17	6	noc25-mg127	MOPEC-03	Project Management: Planning, Execution, Evaluation and Control	Prof. Sanjib Chowdhury	IIT Kharagpur	8	2	https://onlinecourses.nptel.ac.in/noc25_mg127/preview	July 21, 2025	July 28, 2025	August 15, 2025
16	Instrumentation and Control Engineering	17	7	noc25-ee111	PEC-05	Analog VLSI Design	Prof. Imon Mondal	IIT Kanpur	12	3	https://onlinecourses.nptel.ac.in/noc25_ee111/preview	July 21, 2025	July 28, 2025	August 15, 2025
17	Instrumentation and Control Engineering	17	7	noc25-de20	PEC-06	Understanding Incubation and Entrepreneurship	Prof. B.K. Chakravarthy	IIT Bombay	12	3	https://onlinecourses.nptel.ac.in/noc25_de20/preview	July 21, 2025	July 28, 2025	August 15, 2025
18	Instrumentation and Control Engineering	17	7	noc25-me166	MOPEC-04	Robotics	Dilip Kumar Pratihar	IIT Kharagpur	8	2	https://onlinecourses.nptel.ac.in/noc25_me166/preview	July 21, 2025	July 28, 2025	August 15, 2025
19	Electronics and Instrumentation Engineering	47	5	noc25-mg90	PEC-01	Project Management for Managers	Prof. Mukesh Kumar Barua	IIT Roorkee	12	3	https://onlinecourses.nptel.ac.in/noc25_mg90/preview	July 21, 2025	July 28, 2025	August 15, 2025
20	Electronics and Instrumentation Engineering	47	5	noc25-cs103	PEC-02	The Joy of Computing using Python	Prof. Sudarshan Iyengar	IIT Ropar	12	3	https://onlinecourses.nptel.ac.in/noc25_cs103/preview	July 21, 2025	July 28, 2025	August 15, 2025
21	Electronics and Instrumentation Engineering	47	5	noc25-ee108	MOPEC-02	Sensor Technologies: Physics, Fabrication, and Circuits	Prof. Mitradip Bhattacharjee	IISER Bhopal	8	2	https://onlinecourses.nptel.ac.in/noc25_ee108/preview	July 21, 2025	July 28, 2025	August 15, 2025
22	Electronics and Instrumentation Engineering	47	6	noc25-cs91	PEC-03	Introduction to Machine Learning	Prof. Balaraman Ravindran	IIT Madras	12	3	https://onlinecourses.nptel.ac.in/noc25_cs91/preview	July 21, 2025	July 28, 2025	August 15, 2025
23	Electronics and Instrumentation Engineering	47	6	noc25-cs147	PEC-04	Introduction to Internet of Things	Prof. Sudip Misra	IIT Kharagpur	12	3	https://onlinecourses.nptel.ac.in/noc25_cs147/preview	July 21, 2025	July 28, 2025	August 15, 2025
24	Electronics and Instrumentation Engineering	47	6	noc25-mg127	MOPEC-03	Project Management: Planning, Execution, Evaluation and Control	Prof. Sanjib Chowdhury	IIT Kharagpur	8	2	https://onlinecourses.nptel.ac.in/noc25_mg127/preview	July 21, 2025	July 28, 2025	August 15, 2025
25	Electronics and Instrumentation Engineering	47	7	noc25-ee111	PEC-05	Analog VLSI Design	Prof. Imon Mondal	IIT Kanpur	12	3	https://onlinecourses.nptel.ac.in/noc25_ee111/preview	July 21, 2025	July 28, 2025	August 15, 2025
26	Electronics and Instrumentation Engineering	47	7	noc25-de20	PEC-06	Understanding Incubation and Entrepreneurship	Prof. B.K. Chakravarthy	IIT Bombay	12	3	https://onlinecourses.nptel.ac.in/noc25_de20/preview	July 21, 2025	July 28, 2025	August 15, 2025
27	Electronics and Instrumentation Engineering	47	7	noc25-me166	MOPEC-04	Robotics	Dilip Kumar Pratihar	IIT Kharagpur	8	2	https://onlinecourses.nptel.ac.in/noc25_me166/preview	July 21, 2025	July 28, 2025	August 15, 2025

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28	Biomedical Engineering	3	5	noc25-cs91	PEC-01	Introduction to Machine Learning	Prof. Balaraman Ravindran	IIT Madras	12	3	https://onlinecourses.nptel.ac.in/noc25_cs91/preview	July 21, 2025	July 28, 2025	August 15, 2025
29	Biomedical Engineering	3	5	noc25-cs103	PEC-02	The Joy of Computing using Python	Prof. Sudarshan Iyengar	IIT Ropar	12	3	https://onlinecourses.nptel.ac.in/noc25_cs103/preview	July 21, 2025	July 28, 2025	August 15, 2025
30	Biomedical Engineering	3	5	noc25-me163	MOPEC-02	Biomechanics of Joints and Orthopaedic Implants	Prof. Sanjay Gupta	IIT Kharagpur	8	2	https://onlinecourses.nptel.ac.in/noc25_me163/preview	August 18, 2025	August 18, 2025	August 29, 2025
31	Biomedical Engineering	3	6	noc25-ee142	PEC-03	Electronic Systems for Cancer Diagnosis	Prof. Hardik Jeetendra Pandya	IISc Bangalore	12	3	https://onlinecourses.nptel.ac.in/noc25_ee142/preview	July 21, 2025	July 28, 2025	August 15, 2025
32	Biomedical Engineering	3	6	noc25-bt48	PEC-04	Statistics for Biomedical Engineers	Prof. Babji Srinivasan	IIT Madras	12	3	https://onlinecourses.nptel.ac.in/noc25_bt48/preview	July 21, 2025	July 28, 2025	August 15, 2025
33	Biomedical Engineering	3	6	noc25-cs101	MOPEC-03	Data Science for Engineers	Prof. Ragunathan Rengasamy, Prof. Shankar Narasimhan	IIT Madras	8	2	https://onlinecourses.nptel.ac.in/noc25_cs101/preview	July 21, 2025	July 28, 2025	August 15, 2025
34	Biomedical Engineering	3	7	noc25-bt61	PEC-05	Medical Image Analysis	Prof. Ganapathy Krishnamurthi	IIT Madras	12	3	https://onlinecourses.nptel.ac.in/noc25_bt61/preview	July 21, 2025	July 28, 2025	August 15, 2025
35	Biomedical Engineering	3	7	noc25-cs106	PEC-06	Deep Learning	Prof. Sudarshan Iyengar	IIT Ropar	12	3	https://onlinecourses.nptel.ac.in/noc25_cs106/preview	July 21, 2025	July 28, 2025	August 15, 2025
36	Biomedical Engineering	3	7	noc25-bt68	MOPEC-04	Organ Printing	Prof. Falguni Pati	IIT Hyderabad	8	2	https://onlinecourses.nptel.ac.in/noc25_bt68/preview	July 21, 2025	July 28, 2025	August 15, 2025
37	Civil Engineering	6	5	noc25-ce110	PEC-01	Advanced Structural Analysis	Prof. Devesh Punera	IIT Bhubaneswar	12	3	https://onlinecourses.nptel.ac.in/noc25_ce110/preview	May 15, 2025	July 28, 2025	August 15, 2025
38	Civil Engineering	6	5	noc25-ce75	PEC-02	Pavement Construction Technology	Prof. Rajan Choudhary	IIT Guwahati	12	3	https://onlinecourses.nptel.ac.in/noc25_ce75/preview	May 15, 2025	July 28, 2025	August 15, 2025
39	Civil Engineering	6	5	noc25-ce108	MOPEC-02	Remote Sensing and GIS	Prof. Rishikesh Bharti	IIT Guwahati	8	2	https://onlinecourses.nptel.ac.in/noc25_ce108/preview	May 15, 2025	July 28, 2025	August 15, 2025
40	Civil Engineering	6	5	noc25-cs149	MOPEC-02	Introduction to Machine Learning - IITKGP	Prof. Sudeshna Sarkar	IIT Kharagpur	8	2	https://onlinecourses.nptel.ac.in/noc25_cs149/preview	May 15, 2025	July 28, 2025	August 15, 2025
41	Civil Engineering	6	6	noc25-ce111	PEC-03	Geotechnical Earthquake Engineering	Prof. Kousik Deb	IIT Kharagpur	12	3	https://onlinecourses.nptel.ac.in/noc25_ce111/preview	May 15, 2025	July 28, 2025	August 15, 2025
42	Civil Engineering	6	6	noc25-ce84	PEC-04	Geometric Design of Highways	Prof. Rajat Rastogi	IIT Roorkee	12	3	https://onlinecourses.nptel.ac.in/noc25_ce84/preview	May 15, 2025	July 28, 2025	August 15, 2025
43	Civil Engineering	6	6	noc25-cs137	MOPEC-03	Programming with Generative AI	Prof. Viraj Kumar	IISc Bangalore	8	2	https://onlinecourses.nptel.ac.in/noc25_cs137/preview	May 15, 2025	August 18, 2025	August 29, 2025
44	Civil Engineering	6	6	noc25-ge44	MOPEC-03	Artificial Intelligence in Industrial and Management Engineering	Prof. Deepu Philip, Prof. Prabal Pratap Singh	IIT Kanpur	8	2	https://onlinecourses.nptel.ac.in/noc25_ge44/preview	May 15, 2025	August 18, 2025	August 29, 2025
45	Civil Engineering	6	7	noc25-ce103	PEC-05	Reliability-Based Structural Design	Prof. Arunasis Chakarborty	IIT Guwahati	12	3	https://onlinecourses.nptel.ac.in/noc25_ce103/preview	May 15, 2025	July 28, 2025	August 15, 2025
46	Civil Engineering	6	7	noc25-ce116	PEC-06	Wastewater Treatment and Recycling	Prof. Manoj Kumar Tiwari	IIT Kharagpur	12	3	https://onlinecourses.nptel.ac.in/noc25_ce116/preview	May 15, 2025	July 28, 2025	August 15, 2025
47	Civil Engineering	6	7	noc25-ce117	MOPEC-04	Sustainable Engineering Concepts and Life Cycle Analysis	Prof. Brajesh Kumar Dubey	IIT Kharagpur	8	2	https://onlinecourses.nptel.ac.in/noc25_ce117/preview	May 15, 2025	July 28, 2025	August 15, 2025
48	Civil Engineering	6	7	noc25-mg127	MOPEC-04	Project Management: Planning, Execution, Evaluation and Control	Prof. Sanjib Chowdhury	IIT Kharagpur	8	2	https://onlinecourses.nptel.ac.in/noc25_mg127/preview	May 15, 2025	July 28, 2025	August 15, 2025
49	Environmental Engineering	13	5	noc25-ce136	PEC-01	Groundwater Engineering	Prof. Arun K. Saraf	IIT Roorkee	12	3	https://onlinecourses.nptel.ac.in/noc25_ce136/preview	May 15, 2025	July 28, 2025	August 15, 2025
50	Environmental Engineering	13	6	noc25-ce117	MOPEC-03	Sustainable Engineering Concepts and Life Cycle Analysis	Prof. Brajesh Kumar Dubey	IIT Kharagpur	8	2	https://onlinecourses.nptel.ac.in/noc25_ce117/preview	May 15, 2025	July 28, 2025	August 15, 2025
51	Environmental Engineering	13	7	noc25-ch58	PEC-05	Basic Environmental Engineering and Pollution Abatement	Prof. P. Mondal	IIT Roorkee	12	3	https://onlinecourses.nptel.ac.in/noc25_ch58/preview	May 15, 2025	July 28, 2025	August 15, 2025
52	Electrical Engineering / Power Electronics	9/24	5	noc25-ee163	PEC-01	Electronic Systems Design: Hands-on Circuits and PCB Design with CAD Software	Prof. Ankur Gupta	IIT Delhi	12	3	https://onlinecourses.nptel.ac.in/noc25_ee163/preview	May 15, 2025	Jul 28 2025	August 15, 2025
53			5	noc25-ee102	PEC-02	Electrical Distribution System Analysis	Prof. N P Padhy, Late. Prof. G. B. Kumbhar	IIT Roorkee	12	3	https://onlinecourses.nptel.ac.in/noc25_ee102/preview	May 15, 2025	Jul 28 2025	August 15, 2025
54			5	noc25-hs136	MOPEC-02	Energy Economics and Policy	Prof. Shyamasree Dasgupta	IIT Mandi	8	2	https://onlinecourses.nptel.ac.in/noc25_hs136/preview	May 15, 2025	Aug 18 2025	August 29, 2025
55			6	noc25-ee145	PEC-03	Design of Electric Motor	Prof. Prathap Reddy	IISc Bangalore	12	3	https://onlinecourses.nptel.ac.in/noc25_ee145/preview	May 15, 2025	Jul 28 2025	August 15, 2025
56			6	noc25-ee183	PEC-04	Power Electronics Applications in Power Systems	Prof. Sanjib Ganguly	IIT Guwahati	12	3	https://onlinecourses.nptel.ac.in/noc25_ee183/preview	May 15, 2025	Jul 28 2025	August 15, 2025
57			6	noc25-ee147	MOPEC-03	Electrical Equipment and Machines: Finite Element Analysis	Prof. S. V. Kulkarni	IIT Bombay	8	2	https://onlinecourses.nptel.ac.in/noc25_ee147/preview	May 15, 2025	Jul 28 2025	August 15, 2025
58			7	noc25-ee162	PEC-05	Control and Tuning Methods in Switched Mode Power Converters	Prof. Santanu Kapat	IIT Kharagpur	12	3	https://onlinecourses.nptel.ac.in/noc25_ee162/preview	May 15, 2025	Jul 28 2025	August 15, 2025
59			7	noc25-ee136	PEC-06	Modeling, Analysis and Estimation of Three Phase Unbalanced Power Network	Prof. Biswarup Das	IIT Roorkee	12	3	https://onlinecourses.nptel.ac.in/noc25_ee136/preview	May 15, 2025	Jul 28 2025	August 15, 2025
60			7	noc25-ee99	MOPEC-04	Dc Microgrid and Control System	Prof. Avik Bhattacharya	IIT Roorkee	8	2	https://onlinecourses.nptel.ac.in/noc25_ee99/preview	May 15, 2025	Jul 28 2025	August 15, 2025

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61	Chemical Engineering	5	5	noc25-ch49	PEC-01	Fluid and Particle Mechanics	Prof. Sumesh, Prof. Basavaraj Madivala Gurappa	IIT Madras	12	3	https://onlinecourses.nptel.ac.in/noc25_ch49/preview	15-May-25	28-Jul-25	15-Aug-25
62	Chemical Engineering	5	5	noc25-me178	PEC-02	Sustainable Energy Technology	Dr. Sayak Banerjee	IIT Hyderabad	12	3	https://onlinecourses.nptel.ac.in/noc25_me178/preview	15-May-25	28-Jul-25	15-Aug-25
63	Chemical Engineering	5	5	noc25-ch57	MOPEC-02	Technologies for Clean and Renewable Energy Production	Prof. Mondal	IIT Roorkee	8	2	https://onlinecourses.nptel.ac.in/noc25_ch57/preview	15-May-25	28-Jul-25	15-Aug-25
64	Chemical Engineering	5	6	noc25-ch80	PEC-03	Aspen Plus simulation software - a basic course for beginners	Prof. Prabirkumar Saha	IIT Guwahati	12	3	https://onlinecourses.nptel.ac.in/noc25_ch80/preview	15-May-25	28-Jul-25	15-Aug-25
65	Chemical Engineering	5	6	noc25-ch56	PEC-04	Chemical Process Safety	Dr. Shishir Sinha	IIT Roorkee	12	3	https://onlinecourses.nptel.ac.in/noc25_ch56/preview	15-May-25	28-Jul-25	15-Aug-25
66	Chemical Engineering	5	7	noc25-ch93	PEC-05	Hydrogen Energy: Production, Storage, Transportation and Safety	Prof. Pratibha Sharma	IIT Bombay	12	3	https://onlinecourses.nptel.ac.in/noc25_ch93/preview	15-May-25	28-Jul-25	15-Aug-25
67	Chemical Engineering	5	7	noc25-ch74	PEC-06	Chemical Process Intensification	Dr. S.K. Majumder	IIT Guwahati	12	3	https://onlinecourses.nptel.ac.in/noc25_ch74/preview	15-May-25	28-Jul-25	15-Aug-25
68	Rubber Technology	26	5	noc25-ch59	PEC-01	Polymer Process Engineering	Prof. Shishir Sinha	IIT Roorkee	12	3	https://onlinecourses.nptel.ac.in/noc25_ch59/preview	15-May-25	28-Jul-25	15-Aug-25
69	Rubber Technology	26	5	noc25-bt83	PEC-02	Environmental Biotechnology	Prof. Pinaki Sar	IIT Kharagpur	12	3	https://onlinecourses.nptel.ac.in/noc25_bt83/preview	15-May-25	28-Jul-25	15-Aug-25
70	Rubber Technology	26	5	noc25-ch57	MOPEC-02	Technologies for Clean and Renewable Energy Production	Prof. P. Mondal	IIT Roorkee	8	2	https://onlinecourses.nptel.ac.in/noc25_ch57/preview	15-May-25	28-Jul-25	15-Aug-25
71	Rubber Technology	26	6	noc25-ch51	PEC-03	Polymers: Concepts, Properties, Uses and Sustainability	Prof. Abhijit P Deshpande	IIT Madras	12	3	https://onlinecourses.nptel.ac.in/noc25_ch51/preview	15-May-25	28-Jul-25	15-Aug-25
72	Rubber Technology	26	6	noc25-ch103	PEC-04	Foundations on Rubber Science, Technology and Manufacturing	Prof. Santanu Chattopadhyay	IIT Kharagpur	12	3	https://onlinecourses.nptel.ac.in/noc25_ch103/preview	15-May-25	28-Jul-25	15-Aug-25
73	Rubber Technology	26	7	noc25-cy48	PEC-05	Concepts of Chemistry for Engineering	Prof. Anindya Datta, Prof. Debabrata Maiti, Prof. Chidambar Kulkarni, Prof. Arnab Dutta	IIT Bombay	12	3	https://onlinecourses.nptel.ac.in/noc25_cy48/preview	15-May-25	28-Jul-25	15-Aug-25
74	Rubber Technology	26	7	noc25-ch67	PEC-06	Transport Phenomena of Non-Newtonian Fluids	Prof. Nanda Kishore	IIT Guwahati	12	3	https://onlinecourses.nptel.ac.in/noc25_ch67/preview	15-May-25	28-Jul-25	15-Aug-25
75	Rubber Technology	26	7	noc25-cy39	MOPEC-04	Application of Spectroscopic Methods in Molecular Structure Determination	Prof. S. Sankararaman	IIT Madras	8	2	https://onlinecourses.nptel.ac.in/noc25_cy39/preview	15-May-25	28-Jul-25	15-Aug-25
76	Plastic Technology	23	5	noc25-me102	PEC-01	Thermodynamics	Prof. Anand T. N. C	IIT Palakkad	12	3	https://onlinecourses.nptel.ac.in/noc25_me102/preview	15-May-25	28-Jul-25	15-Aug-25
77	Plastic Technology	23	5	noc25-ch55	PEC-02	Introduction to Polymer Physics	Prof. Prateek Kumar Jha	IIT Roorkee	12	3	https://onlinecourses.nptel.ac.in/noc25_ch55/preview	15-May-25	28-Jul-25	15-Aug-25
78	Plastic Technology	23	5	noc25-ge44	MOPEC-02	Artificial Intelligence in Industrial and Management Engineering	Prof. Deepu Philip, Prof. Prabal Pratap Singh	IIT Kanpur	8	2	https://onlinecourses.nptel.ac.in/noc25_ge44/preview	15-May-25	18-Aug-25	29-Aug-25
79	Plastic Technology	23	6	noc25-ch51	PEC-03	Polymers: Concepts, Properties, Uses and Sustainability	Prof. Abhijit P Deshpande	IIT Madras	12	3	https://onlinecourses.nptel.ac.in/noc25_ch51/preview	15-May-25	28-Jul-25	15-Aug-25
80	Plastic Technology	23	6	noc25-ch59	PEC-04	Polymer Process Engineering	Prof. Shishir Sinha	IIT Roorkee	12	3	https://onlinecourses.nptel.ac.in/noc25_ch59/preview	15-May-25	28-Jul-25	15-Aug-25
81	Plastic Technology	23	6	noc25-mg95	MOPEC-03	Innovation, Business Models and Entrepreneurship	Prof. Rajat Agrawal Prof. Vinay Sharma	IIT Roorkee	8	2	https://onlinecourses.nptel.ac.in/noc25_mg95/preview	15-May-25	18-Aug-25	29-Aug-25
82	Plastic Technology	23	7	noc25-me185	PEC-05	Mechanical Behavior of Polymers and Composites	Prof. Naresh V Datla	IIT Delhi	12	3	https://onlinecourses.nptel.ac.in/noc25_me185/preview	15-May-25	28-Jul-25	15-Aug-25
83	Plastic Technology	23	7	noc25-me151	PEC-06	Fundamentals of Additive Manufacturing Technologies	Prof. Sajjan Kapil	IIT Guwahati	12	3	https://onlinecourses.nptel.ac.in/noc25_me151/preview	15-May-25	28-Jul-25	15-Aug-25
84	Plastic Technology	23	7	noc25-mg78	MOPEC-04	Project Management	Prof. Raghu Nandan Sengupta	IIT Kanpur	8	2	https://onlinecourses.nptel.ac.in/noc25_mg78/preview	15-May-25	28-Jul-25	15-Aug-25
85	Aeronautical	1	5	noc25-me136	PEC-01	Introduction to Composites	Prof. Nachiketa Tiwari	IIT Kanpur	12	3	https://onlinecourses.nptel.ac.in/noc25_me136/preview	May 15, 2025	July 28, 2025	August 15, 2025
86	Aeronautical	1	5	noc25-ae17	PEC-01	Elements of Mechanical Vibration	Prof. Ashish K Darpe	IIT Delhi	12	3	https://onlinecourses.nptel.ac.in/noc25_ae17/preview	May 15, 2025	July 28, 2025	August 15, 2025
87	Aeronautical	1	5	noc25-ae30	PEC-02	Drone Systems and Control	Prof. Suresh Sundaram	IISc Bangalore	12	3	https://onlinecourses.nptel.ac.in/noc25_ae30/preview	May 15, 2025	July 28, 2025	August 15, 2025
88	Aeronautical	1	5	noc25-me119	PEC-02	Fundamentals of Manufacturing Processes	Prof. D. K. Dwivedi, Prof. Shamik Basak	IIT Roorkee	12	3	https://onlinecourses.nptel.ac.in/noc25_me119/preview	May 15, 2025	July 28, 2025	August 15, 2025
89	Aeronautical	1	5	noc25-mg78	MOPEC-02	Project Management	Prof. Raghu Nandan Sengupta	IIT Kanpur	8	2	https://onlinecourses.nptel.ac.in/noc25_mg78/preview	May 15, 2025	July 28, 2025	August 15, 2025
90	Aeronautical	1	6	noc25-me151	PEC-03	Fundamentals of Additive Manufacturing Technologies	Prof. Sajjan Kapil	IIT Guwahati	12	3	https://onlinecourses.nptel.ac.in/noc25_me151/preview	May 15, 2025	July 28, 2025	August 15, 2025
91	Aeronautical	1	6	noc25-ae23	PEC-04	Aircraft Stability and Control	Prof. A K Ghosh	IIT Kanpur	12	3	https://onlinecourses.nptel.ac.in/noc25_ae23/preview	May 15, 2025	July 28, 2025	August 15, 2025
92	Aeronautical	1	6	noc25-hs142	MOPEC-03	Soft Skill Development	Prof. Priyadarshi Patnaik, Prof. V. N. Giri, Prof. D. Suar	IIT Kharagpur	8	2	https://onlinecourses.nptel.ac.in/noc25_hs142/preview	May 15, 2025	July 28, 2025	August 15, 2025
93	Aeronautical	1	7	noc25-me103	PEC-05	Computational Fluid Dynamics using Finite Volume Method	Prof. Kameswararao Anupindi	IIT Madras	12	3	https://onlinecourses.nptel.ac.in/noc25_me103/preview	May 15, 2025	July 28, 2025	August 15, 2025

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Sr. No	Branch Name	Branch Code	Sem	Course ID	Category (MOPEC/PEC)	Subject Name	Faculty Name	Offering Institute	Duration (Weeks)	Credits	Link	Enrollment Start Date	Enrollment End Date	Exam Registration End Date
94	Aeronautical	1	7	noc25-ae28	PEC-05	Smart Structures	Prof. Mohammed Rabius Sunny	IIT Kharagpur	12	3	https://onlinecourses.nptel.ac.in/noc25_ae28/preview	May 15, 2025	July 28, 2025	August 15, 2025
95	Aeronautical	1	7	noc25-ae27	PEC-06	Industrial Aerodynamics	Prof. Sunil Manohar Dash	IIT Kharagpur	12	3	https://onlinecourses.nptel.ac.in/noc25_ae27/preview	May 15, 2025	July 28, 2025	August 15, 2025
96	Aeronautical	1	7	noc25-ae18	PEC-06	Rocket Propulsion	Prof. K. Ramamurthi, Prof. P.A. Ramakrishna	IIT Madras	12	3	https://onlinecourses.nptel.ac.in/noc25_ae18/preview	May 15, 2025	July 28, 2025	August 15, 2025
97	Aeronautical	1	7	noc25-hs213	MOPEC-04	Entrepreneurship and IP Strategy	Prof. Gouri Gargate	IIT Kharagpur	8	2	https://onlinecourses.nptel.ac.in/noc25_hs213/preview	May 15, 2025	July 28, 2025	August 15, 2025
98	Automobile	2	5	noc25-me107	PEC-01	Strength of Materials - IITM	Prof. K. Ramesh, Prof. Hariprasad	IIT Madras	12	3	https://onlinecourses.nptel.ac.in/noc25_me107/preview	May 15, 2025	July 28, 2025	August 15, 2025
99	Automobile	2	5	noc25-me167	PEC-02	Energy Conservation and Waste Heat Recovery	Prof. Prasanta Kumar Das, Prof. A Bhattacharya	IIT Kharagpur	12	3	https://onlinecourses.nptel.ac.in/noc25_me167/preview	May 15, 2025	July 28, 2025	August 15, 2025
100	Automobile	2	5	noc25-mg78	MOPEC-02	Project Management	Prof. Raghu Nandan Sengupta	IIT Kanpur	8	2	https://onlinecourses.nptel.ac.in/noc25_mg78/preview	May 15, 2025	July 28, 2025	August 15, 2025
101	Automobile	2	6	noc25-me154	PEC-03	Automation in Manufacturing	Prof. Shrikrishna N. Joshi	IIT Guwahati	12	3	https://onlinecourses.nptel.ac.in/noc25_me154/preview	May 15, 2025	July 28, 2025	August 15, 2025
102	Automobile	2	6	noc25-me111	PEC-04	Advanced Fluid Mechanics	Prof. Anubhab Roy	IIT Madras	12	3	https://onlinecourses.nptel.ac.in/45792/preview	May 15, 2025	July 28, 2025	August 15, 2025
103	Automobile	2	6	noc25-mg141	MOPEC-03	Ethics in Engineering Practice	Prof. Susmita Mukhopadhyay	IIT Kharagpur	8	2	https://onlinecourses.nptel.ac.in/noc25_mg141/preview	May 15, 2025	August 18, 2025	August 29, 2025
104	Automobile	2	7	noc25-me170	PEC-05	Heat Exchangers: Fundamentals and Design Analysis	Prof. Prasanta Kumar Das, Prof. Indranil Ghosh	IIT Kharagpur	12	3	https://onlinecourses.nptel.ac.in/noc25_me170/preview	May 15, 2025	July 28, 2025	August 15, 2025
105	Automobile	2	7	noc25-me125	PEC-06	Rapid Manufacturing	Prof. J. Ramkumar, Prof. Amandeep Singh	IIT Kanpur	12	3	https://onlinecourses.nptel.ac.in/noc25_me125/preview	May 15, 2025	July 28, 2025	August 15, 2025
106	Automobile	2	7	noc25-me98	MOPEC-04	Engineering Economic Analysis	Prof. Pradeep K. Jha	IIT Roorkee	8	2	https://onlinecourses.nptel.ac.in/noc25_me98/preview	May 15, 2025	August 18, 2025	August 29, 2025
107	Mechatronics	20	5	noc25-cs139	PEC-01	Statistical Learning for Reliability Analysis	Prof. Monalisa Sarma	IIT Kharagpur	12	3	https://onlinecourses.nptel.ac.in/noc25_cs139/preview	May 15, 2025	July 28, 2025	August 15, 2025
108	Mechatronics	20	5	noc25-ee153	PEC-02	Mathematical Methods and Techniques in Signal Processing	Prof. Shayan Srinivasa Garani	IISc Bangalore	12	3	https://onlinecourses.nptel.ac.in/noc25_ee153/preview	May 15, 2025	July 28, 2025	August 15, 2025
109	Mechatronics	20	5	noc25-mg95	MOPEC-02	Innovation, Business Models and Entrepreneurship	Prof. Rajat Agrawal Prof. Vinay Sharma	IIT Roorkee	8	2	https://onlinecourses.nptel.ac.in/noc25_mg95/preview	May 15, 2025	August 18, 2025	August 29, 2025
110	Mechatronics	20	6	noc25-ee115	PEC-03	Economic Operations and Control of Power Systems	Prof. Gururaj Mirle Vishwanath, Prof. Narayana Prasad Padhy	IIT Kanpur	12	3	https://onlinecourses.nptel.ac.in/noc25_ee115/preview	May 15, 2025	July 28, 2025	August 15, 2025
111	Mechatronics	20	6	noc25-cs143	PEC-04	Computer Vision	Prof. Jayanta Mukhopadhyay	IIT Kharagpur	12	3	https://onlinecourses.nptel.ac.in/noc25_cs143/preview	May 15, 2025	July 28, 2025	August 15, 2025
112	Mechatronics	20	6	noc25-mg78	MOPEC-03	Project Management	Prof. Raghu Nandan Sengupta	IIT Kanpur	8	2	https://onlinecourses.nptel.ac.in/noc25_mg78/preview	May 15, 2025	July 28, 2025	August 15, 2025
113	Mechatronics	20	7	noc25-me138	PEC-05	Finite Element Method: Variational Methods to Computer Programming	Prof. Atanu Banerjee, Prof. Arup Nandy	IIT Guwahati	12	3	https://onlinecourses.nptel.ac.in/noc25_me138/preview	May 15, 2025	July 28, 2025	August 15, 2025
114	Mechatronics	20	7	noc25-ge77	PEC-06	Machine Learning for Core Engineering Disciplines	Prof. Ananth Govind Rajan	IISc Bangalore	12	3	https://onlinecourses.nptel.ac.in/45792/preview	May 15, 2025	July 28, 2025	August 15, 2025
115	Mechatronics	20	7	noc25-ge44	MOPEC-04	Artificial Intelligence in Industrial and Management Engineering	Prof. Deepu Philip, Prof. Prabal Pratap Singh	IIT Kanpur	8	2	https://onlinecourses.nptel.ac.in/45887/preview	August 18, 2025	August 18, 2025	August 29, 2025
116	Metallurgy	21	5	noc25-me101	PEC-01	Material Processing (Metallurgical Aspects): Fundamental, and Practical	Prof. Dheerendra Kumar Dwivedi	IIT Roorkee	12	3	https://onlinecourses.nptel.ac.in/45792/preview	May 15, 2025	July 28, 2025	August 15, 2025
117	Metallurgy	21	5	noc25-mm53	PEC-02	Advanced Materials and Processes	Prof. Javanta Das	IIT Kharagpur	12	3	https://onlinecourses.nptel.ac.in/45792/preview	May 15, 2025	July 28, 2025	August 15, 2025
118	Metallurgy	21	5	noc25-hs142	MOPEC-02	Soft Skill Development	Prof. Priyadarshi Patnaik, Prof. V. N. Giri, Prof. D. Suar	IIT Kharagpur	8	2	https://onlinecourses.nptel.ac.in/45792/preview	May 15, 2025	July 28, 2025	August 15, 2025
119	Metallurgy	21	6	noc25-mm42	PEC-03	Powder Metallurgy	Prof. Ranjit Bauri	IIT Madras	12	3	https://onlinecourses.nptel.ac.in/45792/preview	May 15, 2025	July 28, 2025	August 15, 2025
120	Metallurgy	21	6	noc25-mm36	PEC-04	Nanomaterials and their Properties	Prof. Krishanu Biswas	IIT Kanpur	12	3	https://onlinecourses.nptel.ac.in/45792/preview	May 15, 2025	July 28, 2025	August 15, 2025
121	Metallurgy	21	6	noc25-mg141	MOPEC-03	Ethics in Engineering Practice	Prof. Susmita Mukhopadhyay	IIT Kharagpur	8	2	https://onlinecourses.nptel.ac.in/45792/preview	May 15, 2025	July 28, 2025	August 15, 2025
122	Metallurgy	21	7	noc25-mm67	PEC-05	Environmental Degradation and Surface Engineering	Prof. Jyotsna Dutta Majumdar, Prof.Indranil Manna	IIT Kharagpur	12	3	https://onlinecourses.nptel.ac.in/45792/preview	May 15, 2025	July 28, 2025	August 15, 2025
123	Metallurgy	21	7	noc25-me155	PEC-06	Materials Processing (Casting, Forming and Welding)	Prof. Swarup Bag	IIT Guwahati	12	3	https://onlinecourses.nptel.ac.in/45792/preview	May 15, 2025	July 28, 2025	August 15, 2025
124	Metallurgy	21	7	noc25-ge66	MOPEC-04	Research Methodology	Prof. Edamana Prasad, Prof. Prathap Haridoss	IIT Madras	8	2	https://onlinecourses.nptel.ac.in/45792/preview	May 15, 2025	July 28, 2025	August 15, 2025
125	Robotics & Automation	41	5	noc25-me166	PEC-01	Robotics	Prof. Dk Pratihari	IIT Kharagpur	12	3	https://onlinecourses.nptel.ac.in/noc25_me166/preview	May 15, 2025	July 28, 2025	August 15, 2025
126	Robotics & Automation	41	5	noc25-me154	PEC-02	Automation in Manufacturing	Prof. Shrikrishna N. Joshi	IIT Guwahati	12	3	https://onlinecourses.nptel.ac.in/noc25_me154/preview	May 15, 2025	July 28, 2025	August 15, 2025
127	Robotics & Automation	41	5	noc25-me164	MOPEC-02	Mechanism and Robot Kinematics	Prof. Anirvan Dasgupta	IIT Kharagpur	8	2	https://onlinecourses.nptel.ac.in/noc25_me164/preview	May 15, 2025	August 18, 2025	August 29, 2025
128	Robotics & Automation	41	6	noc25-me142	PEC-03	Mathematical Modeling of Manufacturing Processes	Prof. Swarup Bag	IIT Guwahati	12	3	https://onlinecourses.nptel.ac.in/noc25_me142/preview	May 15, 2025	July 28, 2025	August 15, 2025

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Sr. No	Branch Name	Branch Code	Sem	Course ID	Category (MOPEC/P EC)	Subject Name	Faculty Name	Offering Institute	Duration (Weeks)	Credits	Link	Enrollment Start Date	Enrollment End Date	Exam Registration End Date
129	Robotics & Automation	41	6	noc25-cs146	PEC-04	Introduction to Industry 4.0 and Industrial Internet of Things	Prof. Sudip Misra	IIT Kharagpur	12	3	https://onlinecourses.nptel.ac.in/noc25_cs146/preview	May 15, 2025	July 28, 2025	August 15, 2025
130	Robotics & Automation	41	6	noc25-mg95	MOPEC-03	Innovation, Business Models and Entrepreneurship	Prof. Rajat Agrawal Prof. Vinay Sharma	IIT Roorkee	8	2	https://onlinecourses.nptel.ac.in/noc25_mg95/preview	May 15, 2025	July 28, 2025	August 15, 2025
131	Robotics & Automation	41	7	noc25-mg126	PEC-05	Production and Operations Management: Theory and Application	Prof. Sanjib Chowdhury	IIT Kharagpur	12	3	https://onlinecourses.nptel.ac.in/noc25_mg126/preview	May 15, 2025	July 28, 2025	August 15, 2025
132	Robotics & Automation	41	7	noc25-me161	PEC-06	Industrial Robotics: Theories for Implementation	Prof. Arun Dayal Udai	IIT-ISM Dhanbad	12	3	https://onlinecourses.nptel.ac.in/noc25_me161/preview	May 15, 2025	July 28, 2025	August 15, 2025
133	Robotics & Automation	41	7	noc25-me105	MOPEC-04	Mechanics and Control of Robotic Manipulators	Prof. Santhakumar Mohan	IIT Palakkad	8	2	https://onlinecourses.nptel.ac.in/noc25_me105/preview	May 15, 2025	July 28, 2025	August 15, 2025
134	Mechanical	19	5	noc25-me161	PEC-01	Industrial Robotics: Theories for Implementation	Prof. Arun Dayal Udai	IIT-ISM Dhanbad	12	3	https://onlinecourses.nptel.ac.in/45792/preview	May 15, 2025	July 28, 2025	August 15, 2025
135	Mechanical	19	5	noc25-me167	PEC-02	Energy Conservation and Waste Heat Recovery	Prof. Prasanta Kumar Das, Prof. A Bhattacharya	IIT Kharagpur	12	3	https://onlinecourses.nptel.ac.in/45792/preview	May 15, 2025	July 28, 2025	August 15, 2025
136	Mechanical	19	5	noc25-mg78	MOPEC-02	Project Management	Prof. Raghu Nandan Sengupta	IIT Kanpur	8	2	https://onlinecourses.nptel.ac.in/45792/preview	May 15, 2025	July 28, 2025	August 15, 2025
137	Mechanical	19	6	noc25-me154	PEC-03	Automation in Manufacturing	Prof. Shrikrishna N. Joshi	IIT Guwahati	12	3	https://onlinecourses.nptel.ac.in/45792/preview	May 15, 2025	July 28, 2025	August 15, 2025
138	Mechanical	19	6	noc25-ge53	PEC-04	Solar Energy Engineering and Technology	Prof. Pankaj Kalita	IIT Guwahati	12	3	https://onlinecourses.nptel.ac.in/45792/preview	May 15, 2025	July 28, 2025	August 15, 2025
139	Mechanical	19	6	noc25-mg141	MOPEC-03	Ethics in Engineering Practice	Prof. Susmita Mukhopadhyay	IIT Kharagpur	8	2	https://onlinecourses.nptel.ac.in/45887/preview	August 18, 2025	August 18, 2025	August 29, 2025
140	Mechanical	19	7	noc25-me170	PEC-05	Heat Exchangers: Fundamentals and Design Analysis	Prof. Prasanta Kumar Das, Prof. Indranil Ghosh	IIT Kharagpur	12	3	https://onlinecourses.nptel.ac.in/45792/preview	May 15, 2025	July 28, 2025	August 15, 2025
141	Mechanical	19	7	noc25-me130	PEC-06	Metal Additive Manufacturing	Prof. Janakranjan Ramkumar, Prof. Amandeep Singh Oberoi	IIT Kanpur	12	3	https://onlinecourses.nptel.ac.in/45792/preview	May 15, 2025	July 28, 2025	August 15, 2025
142	Mechanical	19	7	noc25-me98	MOPEC-04	Engineering Economic Analysis	Prof. Pradeep K. Jha	IIT Roorkee	8	2	https://onlinecourses.nptel.ac.in/45887/preview	August 18, 2025	August 18, 2025	August 29, 2025