

SSN College of Engineering, Kalavakkam - 603110
Department of Electronics & Communication Engineering

*List of pre-approved NPTEL courses offered during Jan-May 2026 semester for UG Students
 Elective Waiver*

Sl. No.	Course ID	Discipline	Course Name	SME Name	Institute	Duration	Course URL	Eligible waiver
1	noc26-ee52	Electrical and Electronics Engineering	Biomedical Signal Processing	Prof. Sudipta Mukhopadhyay	IIT Kharagpur	12 Weeks	https://onlinecourses.nptel.ac.in/noc26_ee52/pr <u>eview</u>	PE
2	noc26-ee66	Electrical and Electronics Engineering	Analog IC Design	Prof. Aniruddhan S Prof. Nagendra Krishnapura	IIT Madras	12 Weeks	https://onlinecourses.nptel.ac.in/noc26_ee66/pr <u>eview</u>	PE
3	noc26-cs05	Data Science, Cognitive Science, Psychology, Neuroscience	Bayesian Data Analysis for the Behavioral Sciences	Prof. Himanshu Yadav	IIT Kanpur	12 Weeks	https://nptel.ac.in/courses/106104844	PE
4	noc26-ee85	Electrical and Electronics Engineering	CMOS Digital VLSI Design	Prof. Suddeb Dasgupta	IIT Roorkee	8 weeks	https://onlinecourses.nptel.ac.in/noc26_ee85/pr <u>eview</u>	PE
5	noc26-cs66	Computer Science and Engineering	Deep Learning - IIT Ropar	Prof. Sudarshan Iyengar	IIT Ropar	12 Weeks	https://nptel.ac.in/courses/106106184	PE
6	noc26-cs24	Computer Science and Engineering, EIE, ECE, MnC	Digital Design with Verilog	Prof. Chandan Karfa, Prof. Aryabartta Sahu	IIT Guwahati	12 Weeks	https://onlinecourses.nptel.ac.in/noc26_cse24/pr <u>eview</u>	PE
7	noc26-ee45	Electrical and Electronics Engineering	Digital VLSI Testing	Prof. Santanu Chattopadhyay	IIT Kharagpur	12 Weeks	https://onlinecourses.nptel.ac.in/noc26_ee45/pr <u>eview</u>	PE
8	noc26-ee09	Electrical and Electronics Engineering	FPGA Based Signal Processing Systems	Prof. P. Sumathi	IIT Roorkee	12 Weeks	https://onlinecourses.nptel.ac.in/noc26_ee09/pr <u>eview</u>	PE
9	noc26-ee38	Electrical and Electronics Engineering	Fuzzy Sets, Logic and Systems & Applications	Prof. Nishchal Kumar Verma	IIT Kanpur	12 Weeks	https://onlinecourses.nptel.ac.in/noc26_ee38/pr <u>eview</u>	PE

10	noc26-ec08	Electrical and Electronics Engineering	IC Design for Wireless Systems	Prof. Abhishek Kumar	IIT Hyderabad	12 Weeks	https://nptel.ac.in/courses/10810686	PE
11	noc26-cs38	Computer Science and Engineering	Introduction to Industry 4.0 and Industrial Internet of Things	Prof. Sudip Misra	IIT Kharagpur	12 Weeks	https://nptel.ac.in/courses/10610519	PE
12	noc26-cs88	Computer Science and Engineering, Electrical, Electronics and Communications Engineering	Large Language Models (LLMs)	Prof. Tammo Chakraborty, Prof. Soumen Chakraborti	IIT Delhi IIT Bombay	12 Weeks	https://nptel.ac.in/courses/10610257	PE
13	noc26-ee07	Electrical and Electronics Engineering	Memory Device Technology for AI/ML Computing	Prof. Shubhadeep Bhattacharjee	IIT Hyderabad	12 Weeks	https://nptel.ac.in/courses/10810686	PE
14	noc26-ee75	Electrical and Electronics Engineering	Multirate DSP	Prof. R. David Koilpillai	IIT Madras	12 Weeks	https://nptel.ac.in/courses/10810613	PE
15	noc26-cs45	Computer Science and Engineering	Natural Language Processing	Prof. Pawan Goyal	IIT Kharagpur	12 Weeks	https://nptel.ac.in/courses/10610515	PE
16	noc26-ee77	Electrical and Electronics Engineering	Optical Wireless Communications for Beyond 5G Networks and IoT	Prof. Anand Srivastava	IIT Delhi	12 Weeks	https://nptel.ac.in/courses/10810619	PE
17	noc26-ee78	Electrical and Electronics Engineering	Power Management Integrated Circuits	Prof. Qadeer Ahmad Khan Prof. Raveesh Magod	IIT Madras	12 Weeks	https://onlinecourses.nptel.ac.in/noc26_ee78/pr_eview	PE
18	noc26-ee60	Electrical and Electronics Engineering	Spread Spectrum Communications and Jamming	Prof. Debarati Sen	IIT Kharagpur	12 Weeks	https://nptel.ac.in/courses/11710513	PE
19	noc26-ee90	Electrical and Electronics Engineering	VLSI Physical Design with Timing Analysis	Prof. Bishnu Prasad Das	IIT Roorkee	12 Weeks	https://onlinecourses.nptel.ac.in/noc26_ee90/pr_eview	PE
20	noc26-hs02	"Psychology, Cognitive Psychology, Cognitive Science"	Basics of Experimental Design for Cognitive Psychology	Prof. Ark Verma	IIT Kanpur	8 weeks	https://onlinecourses.nptel.ac.in/noc26_hs02/pr_eview	OE

21	noc26-css34	Computer Science and Engineering	Blockchain and its Applications	Prof. Sandip Chakraborty Prof. Shamik Sural	IIT Kharagpur	12 Weeks	https://nptel.ac.in/courses/10610523 <u>5</u>	OE
22	noc26-bt22	Multidisciplinary	Conservation Economics	Prof. Ankur Awadhiya	IIT Kanpur	12 Weeks	https://onlinecourses.nptel.ac.in/noc26_bt22/preview	OE
23	noc26-css39	Computer Science and Engineering	Data Base Management System	Prof. Partha Pratim Das Prof. Samiran Chattopadhyay	IIT Kharagpur	8 Weeks	https://nptel.ac.in/courses/10610517 <u>5</u>	OE
24	noc26-css30	Computer Science and Engineering	Edge Computing	Prof. Rajiv Misra	IIT Patna	8 Weeks	https://nptel.ac.in/courses/10610444 <u>9</u>	OE
25	noc26-ee27	Electrical and Electronics Engineering	EV - Vehicle Dynamics and Electric Motor Drives	Prof. Amit Jain Prof. Avanish Tripathi	IIT Delhi	12 Weeks	https://nptel.ac.in/courses/10810212 <u>1</u>	OE
26	noc26-hs51	Sports Sciences	Exercise and Sports Biomechanics	Prof. Viswanath Sundar Prof. P.Rajinikumar Prof. Rahul Tiwari	Visva-Bharati University	12 Weeks	https://onlinecourses.nptel.ac.in/OE/preview	OE
27	noc26-css43	Computer Science and Engineering	GPU Architectures and Programming	Prof. Soumyajit Dey	IIT Kharagpur	12 Weeks	https://nptel.ac.in/courses/10610522 <u>0</u>	OE
28	noc26-mg61	Management	Leadership and Team Effectiveness	Prof. Santosh Rangnekar	IIT Roorkee	12 Weeks	https://onlinecourses.nptel.ac.in/OE/preview	OE
29	noc26-css53	Computer Science and Engineering	Problem Solving Through Programming In C	Prof. Anupam Basu	IIT Kharagpur	12 Weeks	https://onlinecourses.nptel.ac.in/noc26_css3/pr_preview	OE
30	noc26-css36	Computer Science and Engineering	Programming in Java	Prof. Debasis Samanta	IIT Kharagpur	12 Weeks	https://nptel.ac.in/courses/10610519 <u>1</u>	OE
31	noc26-css52	Computer Science and Engineering	Programming in Modern C++	Prof. Partha Pratim Das	IIT Kharagpur	12 Weeks	https://nptel.ac.in/courses/10610523 <u>4</u>	OE

32	noc26-me01	Mechanical Engineering	Robotics: Basics and Selected Advanced Concepts	Prof. Ashitava Ghosal	IISc Bangalore	12 Weeks	https://onlinecourses.nptel.ac.in/PE/preview	OE
33	noc26-ar01	Urban Planning, Architecture, Engineering, Data Science	Urban Informatics	Prof. Debapratim Pandit	IIT Kharagpur	12 Weeks	https://onlinecourses.nptel.ac.in/noc26_ar01/pr eview	OE
34	noc26-cs26	Computer Science And Engineering	User-centric Computing For Human-Computer Interaction	Prof. Samit Bhattacharya	IIT Guwahati	8 weeks	https://onlinecourses.nptel.ac.in/noc26_cs26/pr eview	OE

NPTEL
18/12/25

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