



DEPARTMENT OF CENTRAL LIBRARY

Date: 31-03-2026

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List of IIT Colleges, NPTEL Video Lessons

S.No.	IITs Name	No. of Videos
1	IIS Bangalore	258
2	IIT Bombay	548
3	IIT Delhi	690
4	IIT Guwahati	335
5	IIT KANPUR	911
6	IIT Kharagpur	1966
7	IIT Madras	1225
8	IIT PATNA	35
9	IIT Roorkee	264
10	SEER AKADEMI	43
11	IIT Ropar	123
12	Nalsar University of Law	27
	Total Videos	6425

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DEPARTMENT WISE List of NPTEL Videos:

S.No	Department Name	Total NPTEL Videos
1	CE	1,155
2	AI&DS, CSE, CSE(AI&ML), IT & MCA	1,857
3	ECE	894
4	EEE	869
5	EIE	606
6	ME	1,044
	Total	6425

Librarian

The list of Titles of Civil Engineering (CE) NPTEL Courses

S. No.	Subject/Course	IITs Name	No. of Videos
1	Advanced Foundation Engineering	IIT Kharagpur	40
2	Advanced Geotechnical Engineering	IIT Bombay	38
3	Advanced Structural Analysis	IIT Madras	41
4	Building Materials and Construction	IIT Delhi	41
5	Complex Analysis	IIT Guwahati	40
6	Concrete Technology	IIT Delhi	41
7	Design of Steel Structures	IIT Guwahati	40
8	Engineering Geology	IIT Kharagpur	40
9	Environmental Air Pollution	IIT KANPUR	39
10	Finite Element Analysis	IIT Madras	40
11	Fluid Mechanics	IIT Bombay	42
12	Foundation Engineering	IIT Roorkee	40
13	Geotechnical Earthquake Engineering	IIT Bombay	43
14	Ground Improvement Techniques	IIS Bangalore	40
15	Hydraulics	IIT Guwahati	40
16	Pre-Stressed Concrete Structures	IIT Madras	40
17	Strength of Materials	IIT Kharagpur	40
18	Structural Analysis-II	IIT Bombay	40
19	Surveying	IIT Kanpur	40
20	Transportation Engineering-II	IIT Roorkee	40
21	Urban Transportation Planning	IIT Madras	40
22	Water and Wastewater Engineering	IIT Madras	40
23	Water Resources Engineering	IIT Kanpur	28
24	NOC Mechanics of Solids	IIT Kanpur	60
25	GPS Surveying	IIT Roorkee	21
26	Soil Structure Interaction	IIT Kharagpur	66
27	Retrofitting and Rehabilitation of Civil Infrastructure	IIT Kharagpur	63
28	Geotechnical Engineering-I	IIT Bombay	32
	Total Video's		1,155

The list of Titles of CSE/IT/MCA NPTEL Courses

S. No.	Subject/Course	IITs Name	No. of Videos
1	Artificial Intelligence	IIT Kharagpur	40
2	Cloud Computing	IIT Kharagpur	40
3	Compiler Design	IIS Bangalore	40
4	Computer Graphics	IIT Madras	43
5	Computer Networks	IIT Kharagpur	40
6	Computer Organization	IIT Madras	33
7	Cryptography And Network Security	IIT Kharagpur	41
8	Data Communication	IIT Kharagpur	41
9	Data Science for Engineers	IIT Madras	50
10	Data Structures and Algorithms	IIT Delhi	36
11	Database Management System	IIT Madras	43
12	Descriptive Statistics with R Software	IIT Kanpur	34
13	Design and Analysis of Algorithms	IIT Bombay	34
14	Discrete Mathematical Structures	IIT Madras	40
15	Discrete Mathematics	IIT ROORKEE	41
16	Introduction to Internet of Things	IIT Kharagpur	63
17	Introduction to Programming in C	IIT Kanpur	59
18	Linux Programming and Scripting	SEER AKADEMI	43
19	Machine Learning	IIT Madras	50
20	Mobile Computing	IIT Madras	39
21	Operating Systems	IIT Delhi	40
22	Practical Machine Learning with Tensor Flow	IIT Madras	39
23	Principles of Programming Languages	IIT Delhi	40
24	Probability and Statistics	IIT KHARAGPUR	40
25	Programming, Data Structures and Algorithms in Python	IIT Madras	45
26	Python for Data Science	IIT Madras	40
27	Theory of Computation	IIT Kanpur	42
28	Software Engineering	IIT Bombay	39

29	Big Data Computing	IIT PATNA	35
30	Artificial Intelligence Search Methods for Problem Solving	IIT Madras	48
31	Essentials of Data Science with R software_1	IIT Kanpur	69
32	Essentials of Data Science with R Software_2	IIT Kanpur	53
33	Scalable Data Science	IIT Kharagpur	41
34	An Introduction to Artificial Intelligence	IIT Delhi	96
35	Virtual Reality Engineering	IIT Madras	90
36	Deep Learning Part-2	IIT Madras	38
37	Deep Learning	IIT Kharagpur	62
38	Deep Learning	IIT Ropar	123
39	Internet Crimes and Cyber Security	Nalsar University of Law	27
	Total Video's		1,857

The list of Titles of Electronics & Communication Engineering (ECE) NPTEL Courses

S. No	Subject/Course	IITs Name	No. of Videos
1	Advanced Optical Communications	IIT Bombay	41
2	Analog IC Design	IIT Madras	60
3	Basic Electronics Engineering	IIT Guwahati	40
4	Circuit Theory	IIT Delhi	51
5	CMOS Analog VLSI Design	IIT Bombay	29
6	Digital Circuits and Systems	IIT Madras	40
7	Digital Communications	IIT Bombay	32
8	Digital Signal Processing	IIT Delhi	43
9	Digital Systems Design	IIT Kharagpur	40
10	Probability and Random Processes	IIT Kharagpur	40
11	Introduction to Industry 4.0 and Industrial Internet of Things	IIT Kharagpur	73
12	Probability and Random Variables	IIT Kharagpur	40
13	Signals and Systems	IIT Kanpur	45
14	Transmission Lines and EM Waves	IIT Bombay	60

15	VLSI Design Verification	IIT Guwahati	53
16	Wireless Communications	IIT Delhi	39
17	Audio System Engineering	IIT Kharagpur	24
18	Advanced Complex Analysis-Part 1	IIT Madras	43
19	Advanced Complex Analysis-Part 2	IIT Madras	43
20	Communication Networks	IIT Kharagpur	58
Total Video's			894

The list of Titles of Electrical & Electronics Engineering (EEE) NPTEL Courses

S. No	Subject/Course	IITs Name	No. of Videos
1	Basic Electrical Technology	IIS Bangalore	39
2	Electrical Machines-I	IIT Kharagpur	40
3	Electrical Machines-II	IIT Kharagpur	90
4	Electromagnetic Fields	IIT Madras	42
5	Electromagnetic Theory	IIT Kanpur	85
6	High Voltage DC Transmission	IIT Kanpur	37
7	Illumination Engineering	IIT Kharagpur	20
8	Microprocessors and Interfacing	IIT Guwahati	41
9	Power Electronics	IIT Bombay	43
10	Power Quality	IIT Delhi	54
11	Power System Analysis	IIT Kharagpur	40
12	Power System Generation, Transmission and Distribution	IIT Delhi	35
13	Power Systems Operation and Control	IIT Kanpur	35
14	Pulse Width Modulation for Power Electronic Converters	IIS Bangalore	40
15	Switched Mode Power Conversion	IIS Bangalore	40
16	Digital Electronic Circuits	IIT Kharagpur	64
17	Network Analysis	IIT Kharagpur	83
18	Waste to Energy Conversation	IIT ROORKEE	41
Total Video's			869

The list of Titles of Electronics & Instrumentation Engineering (EIE) NPTEL Courses

S. No	Subject/Course	IITs Name	No. of Videos
1	Analog Electronic Circuits	IIT Delhi	51
2	Digital Image Processing	IIT Kharagpur	40
3	Economics /Managements /Entrepreneurship	IIT Kharagpur	50
4	Embedded Systems	IIT Delhi	37
5	Industrial Instrumentation	IIT Kharagpur	39
6	Integrated Circuits, MOSFETS, OP-AMPS and Their Applications	IIS Bangalore	59
7	MEMS and Microsystems	IIT Kharagpur	32
8	Microprocessors and Microcontrollers	IIT Kharagpur	64
9	Networks, Signals and Systems	IIT Kharagpur	36
10	Process Control & Instrumentation	IIT Kharagpur	44
11	Programming and Data Structures Using C	IIT Kharagpur	32
12	Signals and Systems	IIT Kanpur	45
13	Electrical Measurement and Electronic Instrument	IIT Kharagpur	37
14	Industrial Automation and Control	IIT Kharagpur	40
	Total Video's		606

The list of Titles of Mechanical Engineering (ME) NPTEL Courses

S. No	Subject/Course	IITs Name	No. of Videos
1	Advanced Manufacturing Processes	IIT Roorkee	39
2	Advanced Operation Research	IIT Madras	39
3	Applied Thermodynamics for Marine Systems	IIT Kharagpur	27
4	Basic Thermodynamics	IIT Kharagpur	16
5	Computer Aided Design and Manufacturing	IIT Delhi	51
6	Design of Machine Elements-I	IIT Kharagpur	40
7	Dynamics of Machines	IIT Kanpur	44

8	Energy Conservation and Waste Heat Recovery	IIT Kharagpur	71
9	Finite Element Method	IIT Kanpur	38
10	Heat and Mass Transfer	IIT Bombay	35
11	Kinematics of Machines	IIT Kanpur	39
12	Manufacturing Process-I	IIT Roorkee	42
13	Manufacturing Process-II	IIT Kharagpur	41
14	Materials Science	IIT Delhi	35
15	Mathematical Methods in Engineering and Science	IIT Kanpur	40
16	Mechanical Measurements and Metrology	IIT Madras	50
17	Mechanical Vibrations	IIT Guwahati	40
18	Principles of Physical Metallurgy	IIT Kharagpur	42
19	Refrigeration and Air Conditioning	IIT Kharagpur	46
20	Robotics	IIT Bombay	40
21	Mechanics of Materials	IIT Madras	109
22	Fundamentals of Artificial Intelligence	IIT Guwahati	41
23	Kinematics of Machines	IIT Kanpur	39
24	Jet and Rocket Propulsion	IIT Kanpur	40
	Total Video's		1,044