

Department of Electrical and Electronics Engineering, BIT-Bangalore, has purchased an Storage Media contains NPTEL Video Course Lecture Format : PDF, under NPTEL Discipline: Electrical Engineering (110 Courses in PDF Format) from LINUXPERT SYSTEMS, Licensed under [Creative Commons \(CC-BY-SA\)](#) with [NPTEL Project and Copyrights](#) © Jointly held by MHRD, GoI and IIT(s), IISc Bangalore. About NPTEL, NPTEL is an acronym for National Programme on Technology Enhanced Learning which is an initiative by seven Indian Institutes of Technology (IIT Bombay, Delhi, Guwahati, Kanpur, Kharagpur, Madras and Roorkee) and Indian Institute of Science (IISc) for creating course contents in engineering and science. NPTEL provides E-learning through online Web and Video courses in Engineering, Science and humanities streams.



NPTEL

NATIONAL PROGRAMME ON TECHNOLOGY ENHANCED LEARNING



LINUX SKILL DEVELOPMENT TRAINING @ LINUX GURUKULAM



NPTEL VIDEO COURSE LECTURE NPTEL DISCIPLINE : ELECTRICAL ENGINEERING

Total no. of NPTEL Video Courses : 110

Total no. of NPTEL Video Lectures : 5,082

Total no. of Printable Pages : 1,07,508

NPTEL E-Learning Materials of respective courses is available for download by visiting G-Drive link below

Lectures Course Materials :

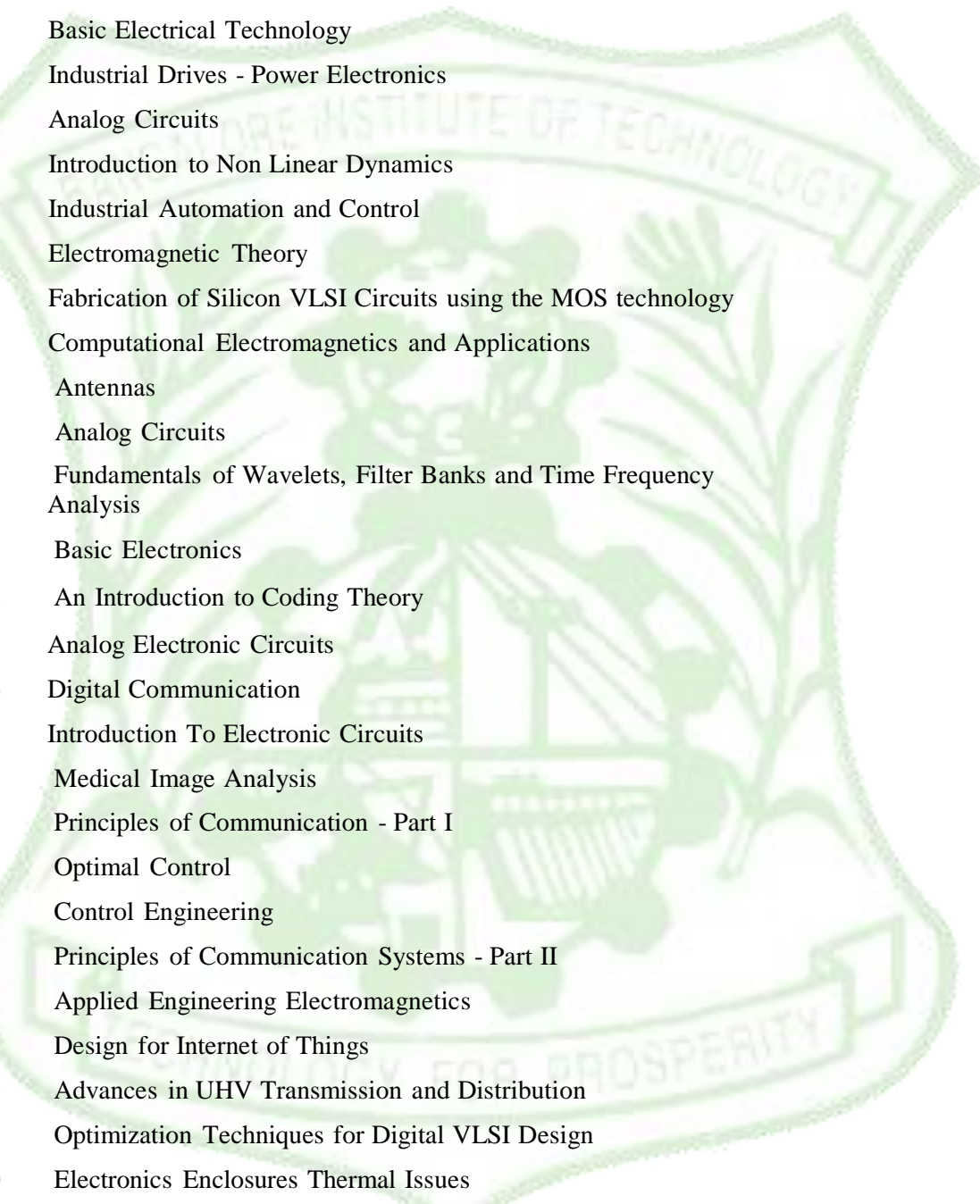
https://drive.google.com/drive/folders/17aCUp0dTDgx_XCyqd26dNxIB2EW2Ghff?usp=sharing

For Video Lectures Visit: <https://www.digimat.in/>

Search by NPTEL Course ID: (Eg:- Advanced Control Systems- 108103007)

List of Available Courses

sl.no	Course ID	Course
1	108101002	Nonlinear Dynamical Systems
2	108101004	Power System Dynamics and Control
3	108101037	Control Engineering (Prof. S.D. Agashe)
4	108101038	Power Electronics
5	108102042	Circuit Theory
6	108102043	Control Engineering (Prof. M. Gopal)
7	108102045	Embedded Systems
8	108102047	Power System Generation, Transmission and Distribution
9	108102080	Power System Dynamics
10	108103007	Advanced Control Systems
11	108104011	Advanced Electric Drives
12	108104013	High Voltage DC Transmission
13	108104049	Intelligent Systems and Control
14	108104052	Power Systems Operation and Control
15	108105017	Electrical Machines - I
16	108105019	Optimal Control
17	108105054	Chaos, Fractals and Dynamic Systems
18	108105055	Digital Signal Processing
19	108105056	Dynamics of Physical Systems
20	108105058	Energy Resources and Technology
21	108105059	Estimation of Signals and Systems
22	108105060	Illumination Engineering
23	108105062	Industrial Automation and Control
24	108105064	Industrial Instrumentation
25	108105065	Networks Signals and Systems
26	108105067	Power System Analysis
27	108106023	Modelling and Analysis of Electric Machines
28	108106068	Analog ICs
29	108106069	Digital Integrated Circuits

- 
- 30 108106073 Electromagnetic Fields
- 31 108106075 Networks and Systems
- 32 108106083 Probability Foundation for Electrical Engineers
- 33 108108031 An Introduction to Electronics Systems Packaging
- 34 108108034 Power Electronics and Distributed Generation
- 35 108108035 Pulse width Modulation for Power Electronic Converters
- 36 108108036 Switched Mode Power Conversion
- 37 108108076 Basic Electrical Technology
- 38 108108077 Industrial Drives - Power Electronics
- 39 108106084 Analog Circuits
- 40 108106085 Introduction to Non Linear Dynamics
- 41 108105088 Industrial Automation and Control
- 42 108104087 Electromagnetic Theory
- 43 108101089 Fabrication of Silicon VLSI Circuits using the MOS technology
- 44 108101090 Computational Electromagnetics and Applications
- 45 108101092 Antennas
- 46 108101094 Analog Circuits
- 47 108101093 Fundamentals of Wavelets, Filter Banks and Time Frequency Analysis
- 48 108101091 Basic Electronics
- 49 108104092 An Introduction to Coding Theory
- 50 108102095 Analog Electronic Circuits
- 51 108102096 Digital Communication
- 52 108102097 Introduction To Electronic Circuits
- 53 108105091 Medical Image Analysis
- 54 108104091 Principles of Communication - Part I
- 55 108107098 Optimal Control
- 56 108106098 Control Engineering
- 57 108104098 Principles of Communication Systems - Part II
- 58 108104099 Applied Engineering Electromagnetics
- 59 108108098 Design for Internet of Things
- 60 108108099 Advances in UHV Transmission and Distribution
- 61 108103108 Optimization Techniques for Digital VLSI Design
- 62 108108110 Electronics Enclosures Thermal Issues
- 63 108106106 Probability Foundations for Electrical Engineers
- 64 108105104 Power System Engineering
- 65 108104100 Principles of Signals and Systems
- 66 108105103 Deep Learning for Visual Computing
- 67 108105101 Biomedical Signal Processing
- 68 108105102 Microprocessors and Microcontrollers
- 69 108108109 Mathematical Methods and Techniques in Signal Processing

70	108108111	Integrated Circuits, MOSFETs, Op-Amps and their Applications
71	108101112	Microwave Theory and Techniques
72	108101113	Principles of Digital Communications
73	108102112	Analog Electronic Circuit
74	108102113	Nonlinear and Adaptive Control
75	108103112	Advanced Topics in Probability and Random Processes
76	108104112	Applied Optimization for Wireless, Machine Learning, Big Data
77	108104113	Fiber-Optic Communication Systems and Techniques
78	108105112	Fundamentals of Electrical Engineering
79	108105113	Digital Circuits
80	108105114	Analysis and Design Principles of Microwave Antennas
81	108105118	Architectural Design of Digital Integrated Circuits
82	108107112	Electrical Distribution System Analysis
83	108107113	Introduction to Smart Grid
84	108107114	Facts Devices
85	108107115	Advanced Linear Continuous Control Systems: Applications with MATLAB Programming and
86	108108112	Semiconductor Devices and Circuits
87	108108113	Fabrication Techniques for MEMs-based Sensors: Clinical Perspective
88	108108114	Op-Amp Practical Applications:Design,Simulation and Implementation
89	108108115	Physical Modelling for Electronics Enclosures using Rapid Prototyping
90	108108116	Recent Advances in Transmission Insulators
91	108102117	Information Theory, Coding and Cryptography
92	108101126	Fundamental of Power Electronics
93	108102120	Principles of Digital Communications
94	108102121	Electric Vehicles - Part 1
95	108104130	Electromagnetic Waves in Guided and Wireless Media
96	108105131	Electrical Machines-II
97	108105132	Digital Electronic Circuits
98	108105133	Power System Dynamics, Control and Monitoring
99	108105134	Evolution of Air Interface towards 5G
100	108106135	Introduction to Photonics
101	108106136	Multirate DSP
102	108106137	LDPC and Polar Codes in 5G Standard
103	108106138	Electromagnetic Compatibility, EMC
104	108107127	Computer Aided Power System Analysis
105	108107128	Advance Power Electronics and Control
106	108107129	CMOS Digital VLSI Design
107	108108122	Fundamentals of Semiconductor Devices
108	108108123	Advanced IOT Applications
109	108108124	Electronic Systems for Cancer Diagnosis
110	108108125	Electronic Modules for Industrial Applications using Op-Amp