

NPTEL Video Lecture Topic List - Created by LinuXpert Systems, Chennai

NPTEL Video Course - Electrical Engineering - NOC:Power Electronics

Subject Co-ordinator - Prof. G.Bhuvaneshwari

Co-ordinating Institute - IIT - Delhi

Sub-Titles - Available / Unavailable | MP3 Audio Lectures - Available / Unavailable

Lecture 1 - Introduction to Power Electronics
Lecture 2 - Power Devices
Lecture 3 - Power Devices
Lecture 4 - Power Devices
Lecture 5 - Single-phase Uncontrolled Rectifiers
Lecture 6 - Single-phase Controlled Rectifiers - I
Lecture 7 - Single-phase Controlled Rectifiers - II
Lecture 8 - Three Phase Rectifiers - I
Lecture 9 - Numericals on devices and Single-phase Rectifiers
Lecture 10 - Three Phase Rectifiers - II
Lecture 11 - Dual Converter and Communication Overlap
Lecture 12 - Communication Overlap - II and AC-AC Converter-Introduction
Lecture 13 - Single-Phase and Three-Phase AC Voltage Controllers
Lecture 14 - Three-Phase AC Voltage Controllers and Cycloconverters
Lecture 15 - Non-Isolated DC-DC Converters - I
Lecture 16 - Non-Isolated DC-DC Converters - II
Lecture 17 - Isolated DC-DC Converters - I
Lecture 18 - Isolated DC-DC Converters - II and Cuk Converters
Lecture 19 - Voltage Source Inverters
Lecture 20 - VSI PWM Techniques - I
Lecture 21 - VSI PWM Techniques - II
Lecture 22 - SPWM and SVM Technique
Lecture 23 - Current Source Inverter
Lecture 24 - Power Electronics Applications