

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

NPTEL Video Course - Electrical Engineering - NOC:Power Quality Improvement Technique

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Co-ordinating Institute - IIT - Roorkee

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

Lecture 1 - Introduction
Lecture 2 - Overview - I
Lecture 3 - Overview - II
Lecture 4 - Overview - III
Lecture 5 - Source of Poor Power Quality - I
Lecture 6 - Source of Poor Power Quality - II
Lecture 7 - AC Power Quality Standard
Lecture 8 - Improvement of Power Factor by Capacitor
Lecture 9 - Passive Filter - I
Lecture 10 - Passive Filter - II
Lecture 11 - Passive Filter Design - I
Lecture 12 - Passive Filter Design - II
Lecture 13 - PWM Rectifier - I
Lecture 14 - PWM Rectifier - II
Lecture 15 - PWM Rectifier - III
Lecture 16 - Three phase converters - I
Lecture 17 - Three Phase Converters - II and multi pulse Converters
Lecture 18 - Three Phase Converters - III and multi-pulse Converters
Lecture 19 - VSI and CSI
Lecture 20 - Multilevel Inverter - I
Lecture 21 - Multilevel Inverter - II
Lecture 22 - Multilevel Inverter - III
Lecture 23 - PWM for Voltage Source Inverter - I
Lecture 24 - PWM for Voltage Source Inverter - II
Lecture 25 - PWM for Voltage Source inverter - III
Lecture 26 - PWM for Voltage Source Inverter - IV
Lecture 27 - Operation and Control of Grid-Connected VSC
Lecture 28 - Grid Connected VSC with inner Current Control
Lecture 29 - Shunt Active Power Filter - I

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- Lecture 30 - Shunt Active Power Filter - II
- Lecture 31 - Shunt Active Power Filter - III
- Lecture 32 - Shunt Active Power Filter - IV
- Lecture 33 - Hybrid Active Power Filter - I
- Lecture 34 - Hybrid Active power Filter - II
- Lecture 35 - Hybrid Shunt Active Power Filter
- Lecture 36 - UPQC Introduction and classification
- Lecture 37 - UPQC Classification
- Lecture 38 - Operation and Control of UPQC
- Lecture 39 - Control of UPQC
- Lecture 40 - Conclusion