

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

NPTEL Video Course - Electronics and Communication Engineering - NOC:Digital Protection of Power System

Subject Co-ordinator - Prof. Bhaveshkumar R. Bhalja

Co-ordinating Institute - IIT - Roorkee

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

Lecture 1 - Introduction to Digital Relays - I  
Lecture 2 - Introduction to Digital Relays - II  
Lecture 3 - Components of Digital Relays  
Lecture 4 - Fundamentals of Digital Relays  
Lecture 5 - Phasor Estimation Algorithm - I  
Lecture 6 - Phasor Estimation Algorithm - II  
Lecture 7 - Phasor Estimation Algorithm - III  
Lecture 8 - Phasor Estimation Algorithm - IV  
Lecture 9 - Phasor Estimation Algorithm - V  
Lecture 10 - Frequency Estimation Algorithm  
Lecture 11 - Digital Protection of Transformer - I  
Lecture 12 - Digital Protection of Transformer - II  
Lecture 13 - Digital Protection of Transformer - III  
Lecture 14 - Digital Protection of Transformer - IV  
Lecture 15 - Digital Protection of Transformer - V  
Lecture 16 - Digital Protection of Induction Motors - I  
Lecture 17 - Digital Protection of Induction Motors - II  
Lecture 18 - Digital Protection of Induction Motors - III  
Lecture 19 - Digital Protection of Generators - I  
Lecture 20 - Digital Protection OF Generators - II  
Lecture 21 - Coordination of Overcurrent Relays for Distribution Network - I  
Lecture 22 - Coordination of Overcurrent Relays for Distribution Network - II  
Lecture 23 - Coordination of Overcurrent Relays for Distribution Network - III  
Lecture 24 - Coordination of Overcurrent Relays for Distribution Network - IV  
Lecture 25 - Coordination of Overcurrent Relays for Distribution Network - V  
Lecture 26 - Coordination of Overcurrent Relays for Distribution Network - VI  
Lecture 27 - Load Shedding and Frequency Relaying - I  
Lecture 28 - Load Shedding and Frequency Relaying - II  
Lecture 29 - Islanding Detection

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

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- Lecture 30 - Digital Distance Relaying Scheme for transmission Line - I
- Lecture 31 - Digital Distance Relaying Scheme for transmission Line - II
- Lecture 32 - Introduction to Phasor Measurement Unit - I
- Lecture 33 - Introduction to Phasor Measurement Unit - II
- Lecture 34 - Introduction to Phasor Measurement Unit - III
- Lecture 35 - Introduction to IEC 61850 - I
- Lecture 36 - Introduction to IEC 61850 - II
- Lecture 37 - Application of Big-Data Analytics in Power System Protection
- Lecture 38 - Cyber Security Issues in Power System Network
- Lecture 39 - Protection of Hybride AC/DC Microgrid: Issues and Challenges
- Lecture 40 - Application of AI-Based Techniques in Digital Protection