

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

NPTEL Video Course - Civil Engineering - Advanced Foundation Engineering

Subject Co-ordinator - Dr. Kousik Deb

Co-ordinating Institute - IIT - Kharagpur

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

Lecture 1 - Introduction  
Lecture 2 - Soil Exploration  
Lecture 3 - Soil Exploration - Penetration Tests  
Lecture 4 - Soil Exploration - Geophysical Exploration  
Lecture 5 - Shallow Foundation - Introduction  
Lecture 6 - Shallow Foundation  
Lecture 7 - Shallow Foundation  
Lecture 8 - Shallow Foundation  
Lecture 9 - Shallow Foundation  
Lecture 10 - Shallow Foundation  
Lecture 11 - Shallow Foundation - Settlement Calculation - I  
Lecture 12 - Shallow Foundation - Settlement Calculation - II  
Lecture 13 - Shallow Foundation - Settlement Calculation - III  
Lecture 14 - Design of Shallow Foundation  
Lecture 15 - Design of Raft Foundation  
Lecture 16 - Deep Foundation - Introduction  
Lecture 17 - Pile Foundation - Load Carrying Capacity - I  
Lecture 18 - Pile Foundation - Load Carrying Capacity - II  
Lecture 19 - Pile Foundation - Load Carrying Capacity - III and Settlement Calculation  
Lecture 20 - Tension and Lateral Loaded Piles  
Lecture 21 - Well Foundation  
Lecture 22 - Well Foundation (Continued...)  
Lecture 23 - Design of Retaining Wall  
Lecture 24 - Design of Retaining Wall (Continued...)  
Lecture 25 - Design of Sheet Piles  
Lecture 26 - Design of Sheet Piles (Continued...)  
Lecture 27 - Design of Sheet Piles (Continued...)  
Lecture 28 - Design of Sheet Piles (Continued...)  
Lecture 29 - Reinforced Earth

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- Lecture 30 - Reinforced Retaining Wall
- Lecture 31 - Seismic Design of Retaining Wall
- Lecture 32 - Seismic Design of Retaining Walls (Continued...)
- Lecture 33 - Soil - Foundation Interaction
- Lecture 34 - Soil - Foundation Interaction (Continued...)
- Lecture 35 - Soil - Foundation Interaction (Continued...)
- Lecture 36 - Soil - Foundation Interaction (Continued...)
- Lecture 37 - Soil - Foundation Interaction (Continued...)
- Lecture 38 - Soil - Foundation Interaction (Continued...)
- Lecture 39 - Soil - Foundation Interaction (Continued...)
- Lecture 40 - Soil - Foundation Interaction (Continued...)