

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

NPTEL Video Course - Civil Engineering - NOC:Foundation Design

Subject Co-ordinator - Dr. Nihar Ranjan Patra

Co-ordinating Institute - IIT - Kanpur

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

- Lecture 1 - (1A) Subsoil Investigation or Site Investigation - Part 1
- Lecture 2 - (1B) Subsoil Investigation or Site Investigation - Part 2
- Lecture 3 - (2A) Subsoil Investigation or Site Investigation - Part 3
- Lecture 4 - (2B) Subsoil Investigation or Site Investigation - Part 4
- Lecture 5 - (3A) Subsoil Investigation or Site Investigation - Part 5
- Lecture 6 - (3B) Subsoil Investigation or Site Investigation - Part 6
- Lecture 7 - (4A) Subsoil Investigation or Site Investigation - Part 7
- Lecture 8 - (4B) Foundations
- Lecture 9 - (5A) Bearing Capacity Of Shallow Foundations - Part 1
- Lecture 10 - (5B) Bearing Capacity Of Shallow Foundations - Part 2
- Lecture 11 - (6A) Bearing Capacity Of Shallow Foundations - Part 3
- Lecture 12 - (6B) Bearing Capacity Of Shallow Foundations - Part 4
- Lecture 13 - (7A) Bearing Capacity Of Shallow Foundations - Part 5
- Lecture 14 - (7B) Bearing Capacity Of Shallow Foundations - Part 6
- Lecture 15 - (8A) Settlement Analysis - Part 1
- Lecture 16 - (8B) Settlement Analysis - Part 2
- Lecture 17 - (9A) Settlement Analysis - Part 3
- Lecture 18 - (9B) Stress distribution in soils - Part 1
- Lecture 19 - (10A) Stress distribution in soils - Part 2
- Lecture 20 - (10B) Stress distribution in soils - Part 3
- Lecture 21 - (11A) Stress distribution in soils - Part 4
- Lecture 22 - (11B) Stress distribution in soils - Part 5
- Lecture 23 - (12A) Examples based on bearing capacity and settlement
- Lecture 24 - (12B) Design of foundation - Part 1
- Lecture 25 - (13A) Design of Foundation - Part 2
- Lecture 26 - (13B) Design of Foundation - Part 3
- Lecture 27 - (14A) Design of Foundation - Part 4
- Lecture 28 - (14B) Design of Foundation - Part 5
- Lecture 29 - (15A) Types of foundations (Combined Footing)

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- Lecture 30 - (15B) Design of Raft Foundation
- Lecture 31 - (16A) Earth Pressure Theories - Part 1
- Lecture 32 - (16B) Earth Pressure Theories - Part 2
- Lecture 33 - (17A) Earth Pressure Theories - Part 3
- Lecture 34 - (17B) Earth Pressure Theories - Part 4
- Lecture 35 - (18A) Earth Pressure Theories - Part 5
- Lecture 36 - (18B) Deep Foundation - Part 1
- Lecture 37 - (18C) Deep Foundation - Part 2
- Lecture 38 - (18D) Deep Foundation - Part 3
- Lecture 39 - (20A) Deep Foundation - Part 4
- Lecture 40 - (20B) Deep Foundation - Part 5