

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

NPTEL Video Course - Civil Engineering - NOC:Geotechnical Engineering-II

Subject Co-ordinator - Prof. Devendra Narain Singh

Co-ordinating Institute - IIT - Bombay

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

- Lecture 1 - Introduction
- Lecture 2 - Shear Strength of Soils - I
- Lecture 3 - Shear Strength of Soils - II
- Lecture 4 - Shear Strength of Soils - III
- Lecture 5 - Shear Strength of Soils - IV
- Lecture 6 - Testing for shear strength parameters: Introduction
- Lecture 7 - Direct shear box test
- Lecture 8 - Direct Shear Interpretation of Test Results - I
- Lecture 9 - Direct Shear Interpretation of Test Results - II
- Lecture 10 - Kf line
- Lecture 11 - Selection of Parameter (Shear Strength,SS) - I
- Lecture 12 - Selection of Parameter (Shear Strength,SS) - II
- Lecture 13 - Shear Strength of Cohesive Soils - I
- Lecture 14 - Shear Strength of Cohesive Soils - II
- Lecture 15 - Triaxial Test - I
- Lecture 16 - Triaxial Test - II
- Lecture 17 - Triaxial Test - III
- Lecture 18 - Interpretation of Triaxial test Results - I
- Lecture 19 - Interpretation of Triaxial test Results - II
- Lecture 20 - Interpretation of Triaxial test Results - III
- Lecture 21 - Pore Pressure Parameters - I
- Lecture 22 - Pore Pressure Parameters - II
- Lecture 23 - Stress Paths - I
- Lecture 24 - Stress Paths - II
- Lecture 25 - Plastic Equilibrium in Soils
- Lecture 26 - Mechanisms of Development of Plastic Equilibrium in Soils - I
- Lecture 27 - Mechanisms of Development of Plastic Equilibrium in Soils - II
- Lecture 28 - Earth Pressure Analysis (Trial Wedge) - I
- Lecture 29 - Earth Pressure Analysis (Trial Wedge) - II

Get DIGIMAT For High-Speed Video Streaming of NPTEL and Educational Video Courses in LAN

<http://www.digimat.in>

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

- Lecture 30 - Earth Pressure Analysis (Trial Wedge) - III
- Lecture 31 - Analysis of Completely Submerged Retaining wall
- Lecture 32 - Gravity Walls Supporting Cohesive Soil Mass (Backfill)
- Lecture 33 - Sloping Backfill
- Lecture 34 - Earth Pressure Analysis - I
- Lecture 35 - Earth Pressure Analysis - II
- Lecture 36 - Sheet Pile Wall Introduction - I
- Lecture 37 - Sheet Pile Wall Introduction - II
- Lecture 38 - Sheet pile wall Introduction - III
- Lecture 39 - Analysis of sheet piles - I
- Lecture 40 - Analysis of sheet piles - II
- Lecture 41 - Anchored Bulkheads
- Lecture 42 - Cantilever Sheet Piles
- Lecture 43 - Lateral Earth Pressure Braced Sheet Pile Walls
- Lecture 44 - Slope Stability - I
- Lecture 45 - Slope Stability - II
- Lecture 46 - Slope Instability - I
- Lecture 47 - Slope Instability - II
- Lecture 48 - Slope Instability - III
- Lecture 49 - Analysis of Finite Slopes - I Planar Failure Surface
- Lecture 50 - Analysis of Finite Slopes - II Circular Failure Surface
- Lecture 51 - Finite Slopes Friction Circle Method
- Lecture 52 - Slip Circle Method