

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

NPTEL Video Course - Civil Engineering - NOC:Pavement Construction Technology

Subject Co-ordinator - Prof. Rajan Choudhary

Co-ordinating Institute - IIT Guwahati

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

- Lecture 1 - Indian road infrastructure and different categories of roads
- Lecture 2 - Pavement types and their cross-sectional elements - Part A
- Lecture 3 - Pavement types and their cross-sectional elements - Part B
- Lecture 4 - Subgrade course and its function - Part A
- Lecture 5 - Subgrade course and its function - Part B
- Lecture 6 - Unbound courses and their functions - Part A
- Lecture 7 - Unbound courses and their functions - Part B
- Lecture 8 - Bituminous bound courses and their function - Part A
- Lecture 9 - Bituminous bound courses and their function - Part B
- Lecture 10 - Characterization of materials for use in pavement subgrade - Part A
- Lecture 11 - Characterization of materials for use in pavement subgrade - Part B
- Lecture 12 - Physical and mechanical requirements of materials for granular courses
- Lecture 13 - Physical and mechanical characteristics of bituminous-bound materials - Part A
- Lecture 14 - Physical and mechanical characteristics of bituminous-bound materials - Part B
- Lecture 15 - Mix design of unbound/granular course during construction - Part A
- Lecture 16 - Mix design of unbound/granular course during construction - Part B
- Lecture 17 - Mix design of bituminous bound courses during construction - Part A
- Lecture 18 - Mix design of bituminous bound courses during construction - Part B
- Lecture 19 - Mix design of thin bituminous courses for rural roads
- Lecture 20 - Equipment and their use in pavement subgrade construction - Part A
- Lecture 21 - Equipment and their use in pavement subgrade construction - Part B
- Lecture 22 - Field tests to ensure pavement subgrade quality
- Lecture 23 - Construction process of granular/unbound courses: Production, laying and compaction - Part A
- Lecture 24 - Construction process of granular/unbound courses: Production, laying and compaction - Part B
- Lecture 25 - Field tests to ensure the construction quality of granular courses
- Lecture 26 - Construction equipment and process for bituminous bound courses - Part A
- Lecture 27 - Construction equipment and process for bituminous bound courses - Part B
- Lecture 28 - Field tests to ensure construction quality of bituminous bound courses
- Lecture 29 - Quality control and quality assurance of pavement subgrade and the pavement granular courses - Part A

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 - Quality control and quality assurance of pavement subgrade and the pavement granular courses - Part A
- Lecture 31 - Quality control and quality assurance of bituminous bound courses
- Lecture 32 - Pavement markings and their construction
- Lecture 33 - Roadside safety features and their installation/construction
- Lecture 34 - Structural Evaluation Using Benkelman Beam and Falling Weight Deflectometer - Part A
- Lecture 35 - Structural Evaluation Using Benkelman Beam and Falling Weight Deflectometer - Part B
- Lecture 36 - Pavement roughness and its determination
- Lecture 37 - Pavement skid resistance and its measurement
- Lecture 38 - Pavement distress types - Part A
- Lecture 39 - Pavement distress types - Part B
- Lecture 40 - Pavement distress causes and their treatments - Part A
- Lecture 41 - Pavement distress causes and their treatments - Part B
- Lecture 42 - Treatment for different pavement construction defects
- Lecture 43 - Recycling of bituminous pavements: hot mix plant and hot-in-place recycling
- Lecture 44 - Design of recycled mixes
- Lecture 45 - Recycling equipment and full-depth reclamation - Part A
- Lecture 46 - Recycling equipment and full-depth reclamation - Part B