

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

NPTEL Video Course - Basic Courses (Semester 1 and 2) - Engineering Mechanics

Subject Co-ordinator - Prof. Manoj K Harbola

Co-ordinating Institute - IIT - Kanpur

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

- Lecture 1 - Engineering Mechanics
- Lecture 2 - Equilibrium - I
- Lecture 3 - Equilibrium - II
- Lecture 4 - Equilibrium - III
- Lecture 5 - Plan Trusses - I
- Lecture 6 - Plan Trusses - II
- Lecture 7 - Friction
- Lecture 8 - Properties of Surfaces - I
- Lecture 9 - Properties of Surfaces - II
- Lecture 10 - Properties of Surfaces - III
- Lecture 11 - Method of Virtual Work
- Lecture 12 - Motion of Particles Planar Polar Coordinates
- Lecture 13 - Motion With Constraints
- Lecture 14 - Motion of Particle With Friction
- Lecture 15 - Motion of Particles With Drag
- Lecture 16 - Momentum
- Lecture 17 - Work and Energy - I
- Lecture 18 - Work and Energy - II
- Lecture 19 - Work and Energy - III
- Lecture 20 - Work and Energy - IV
- Lecture 21 - Rotational Motion - I
- Lecture 22 - Rotational Motion - II
- Lecture 23 - Rotational Motion - III
- Lecture 24 - Rotational Motion - IV
- Lecture 25 - Rotational Motion - V
- Lecture 26 - Rotational Motion - VI
- Lecture 27 - Simple Harmonic Motion - I
- Lecture 28 - Simple Harmonic Motion - II
- Lecture 29 - Simple Harmonic Motion - III

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Lecture 30 - Motion in Uniformly Accelerating Frames

Lecture 31 - Motion In Rotating Frame