

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

NPTEL Video Course - Mechanical Engineering - NOC:Inspection and Quality Control in Manufacturing

Subject Co-ordinator - Prof. Kaushik Pal

Co-ordinating Institute - IIT - Roorkee

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

Lecture 1 - Introduction
Lecture 2 - Need of Inspection
Lecture 3 - Destructive Inspection - I
Lecture 4 - Destructive Inspection - II
Lecture 5 - Testing of Composite Materials
Lecture 6 - Nondestructive Inspection - Visual Inspection
Lecture 7 - Dye Penetrant Inspection
Lecture 8 - Magnetic Particle Inspection
Lecture 9 - Eddy Current Inspection
Lecture 10 - Ultrasonic Inspection
Lecture 11 - Acoustic Emission Inspection
Lecture 12 - Radiography Inspection
Lecture 13 - Leak Testing
Lecture 14 - Thermographic Nondestructive Testing
Lecture 15 - Advanced Nondestructive Testing Techniques, NDT Standards, Safety in NDT
Lecture 16 - Engineering Metrology - Linear Measurement
Lecture 17 - Angular Measurement and Measurement of Surface Finish
Lecture 18 - Screw Thread Metrology
Lecture 19 - Gear Measurement
Lecture 20 - Miscellaneous Measurements

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