

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

NPTEL Video Course - Mechanical Engineering - Project and Production Management

Subject Co-ordinator - Prof. Arun Kanda

Co-ordinating Institute - IIT - Delhi

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

- Lecture 1 - Project and Production Management - An Overview
- Lecture 2 - Project Management
- Lecture 3 - Project Identification and Screening
- Lecture 4 - Project Appraisal - Part I
- Lecture 5 - Project Appraisal - Part II
- Lecture 6 - Project Selection
- Lecture 7 - Project Representation
- Lecture 8 - Consistency and Redundancy in Project Networks
- Lecture 9 - Basic scheduling with A-O-A Networks
- Lecture 10 - Basic Scheduling with A-O-N Networks
- Lecture 11 - Project Scheduling with Probabilistic Activity
- Lecture 12 - Linear Time-Cost Tradeoffs in Projects
- Lecture 13 - Project Crashing with Multiple Objectives
- Lecture 14 - Resource Profiles and Leveling
- Lecture 15 - Limited Resource Allocation
- Lecture 16 - Project Monitoring and Control with PERT/Cost
- Lecture 17 - Team Building and Leadership in Projects
- Lecture 18 - Organizational and Behavioral Issues
- Lecture 19 - Computers in Project Management
- Lecture 20 - Project Completion and Review
- Lecture 21 - Life Cycle of a Production System
- Lecture 22 - Role of Models in Production Management
- Lecture 23 - Financial Evaluation of capital Decisions
- Lecture 24 - Decision Trees and Risk Evaluation
- Lecture 25 - Introducing New Products & Services
- Lecture 26 - Economic Evaluation of New Products & Services
- Lecture 27 - Product Mix Decisions
- Lecture 28 - Product & Process Design
- Lecture 29 - Issues in Location of Facilities

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- Lecture 30 - Mathematical Models for Facility Location
- Lecture 31 - Layout planning
- Lecture 32 - Computerised Layout Planning
- Lecture 33 - Product Layouts and Assembly Line Balancing
- Lecture 34 - Forecasting
- Lecture 35 - The Analysis of Time Series
- Lecture 36 - Aggregate Production Planning
- Lecture 37 - Modelling Approaches
- Lecture 38 - Basic Inventory Principles
- Lecture 39 - Inventory Modelling
- Lecture 40 - Material Requirements Planning
- Lecture 41 - Scheduling of Job Shops