

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

NPTEL Video Course - Management - NOC:Project Management

Subject Co-ordinator - Prof. Raghunandan Sengupta

Co-ordinating Institute - IIT - Kanpur

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

- Lecture 1 - Introduction to Project Management
- Lecture 2 - Introduction to Agile Project Management
- Lecture 3 - Project Management Process for a Project - I
- Lecture 4 - Project Management Process for a Project - II
- Lecture 5 - Project Management Process for a Project - III
- Lecture 6 - Project Stakeholder and Risk Management
- Lecture 7 - Project Risk Management
- Lecture 8 - Solving Project Management Decision Problems
- Lecture 9 - Project Risk Management Analysis - I
- Lecture 10 - Project Risk Management Analysis - II
- Lecture 11 - Analytic Hierarchy Process for Project Selection
- Lecture 12 - Decision Tree Analysis
- Lecture 13 - Decision Tree Analysis and Risk Management
- Lecture 14 - Application of Utility Theory in Project Management - I
- Lecture 15 - Application of Utility Theory in Project Management - II
- Lecture 16 - Application of Utility Theory in Project Management - III
- Lecture 17 - Application of Utility Theory in Project Management - IV
- Lecture 18 - Other Criteria used for Project Selection
- Lecture 19 - Work Breakdown Structure in Project Management
- Lecture 20 - Activity Networks used in Project Management
- Lecture 21 - Concept of Critical Path Method (CPM) and Introduction to PERT
- Lecture 22 - Program Evaluation Review Technique (PERT) - I
- Lecture 23 - Program Evaluation Review Technique (PERT) - II
- Lecture 24 - Aspects and applications of CPM and PERT
- Lecture 25 - Concepts of a Project Life Cycle
- Lecture 26 - Discounting Rates and Project Pricing
- Lecture 27 - Concept of Forward Rates and Payback Time
- Lecture 28 - Important Example of PERT Network involving Probabilistic time and variance
- Lecture 29 - Scheduling and Crashing of Jobs

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- Lecture 30 - Resource levelling and resource constraint
- Lecture 31 - Detailed Explanation on Crashing of Jobs
- Lecture 32 - Project scheduling and Crashing - An Example
- Lecture 33 - Earned Value Management
- Lecture 34 - Key components of Earned Value Management
- Lecture 35 - Introduction to Graphical Evaluation and Review Technique (GERT) - I
- Lecture 36 - Graphical Evaluation and Review Technique (GERT) - II
- Lecture 37 - Graphical Evaluation and Review Technique (GERT) - III
- Lecture 38 - Graphical Evaluation and Review Technique (GERT) - IV
- Lecture 39 - Graphical Evaluation and Review Technique (GERT) - V
- Lecture 40 - Q-GERT