NPTEL Video Course - Management - NOC:Systems Engineering: Theory and Practice

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Co-ordinating Institute - IIT - Kanpur

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

Lecture 1 - Systems Engineering Â What is, origin and examples
Lecture 2 - Systems Engineering as a profession
Lecture 3 - Systems Engineering Management (SEM)
Lecture 4 - SEM - Lifecycle Integration
Lecture 5 - Systems Engineering - Modern Version
Lecture 6 - Overview of Systems Engineering Process
Lecture 7 - System Design Process
Lecture 8 - Systems View Point
Lecture 9 - Complex Systems and System Development Process
Lecture 10 - System Environments
Lecture 11 - System Interfaces and Interactions
Lecture 12 - System Development Process
Lecture 13 - System Engineering Life Cycle Stages
Lecture 14 - System Engineering Life Cycle Stages (Continued...)
Lecture 15 - Requirement Analysis
Lecture 16 - Requirement Analysis (Continued...)
Lecture 17 - Unmanned Aerial Systems - A Systems Engineering Case Study
Lecture 18 - Discussion about Systems Engineering and System Thinking with Professor Ian Angell
Lecture 19 - Demonstration of real life systems by the Indian Army
Lecture 20 - Need Analysis
Lecture 21 - Functional Analysis
Lecture 22 - Functional Flow Block Diagram
Lecture 23 - Quality Function Deployment
Lecture 24 - Timeline Analysis Sheet and Requirement Allocation Sheet
Lecture 25 - Design Synthesis
Lecture 26 - Design Synthesis (Continued...)
Lecture 27 - Design Synthesis Tools

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