

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

NPTEL Video Course - Management - Six Sigma

Subject Co-ordinator - Prof. Tapan P. Bagchi

Co-ordinating Institute - IIT - Kharagpur

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

Lecture 1 - Concepts in Quality Management - I
Lecture 2 - Concepts in Quality Management - II
Lecture 3 - Concepts in Quality Management - III
Lecture 4 - Initiating Six Sigma
Lecture 5 - Review of Probability and Statistics - I
Lecture 6 - Review of Probability and Statistics - II
Lecture 7 - Review of Probability and Statistics - III
Lecture 8 - Review of Probability and Statistics - IV
Lecture 9 - QM Systems Overview
Lecture 10 - Cost of Quality and TQM Tools
Lecture 11 - QFD and ISO 9000
Lecture 12 - QS 9000 and Awards
Lecture 13 - Competing Through Service Quality
Lecture 14 - Introduction to Project Management
Lecture 15 - Project Life Cycle
Lecture 16 - Critical Path Method
Lecture 17 - Measurement System Analysis
Lecture 18 - Acceptance Sampling
Lecture 19 - Design of Sampling Plans
Lecture 20 - MIL-STD-105E Sampling Plan
Lecture 21 - Introduction to SPC
Lecture 22 - Control Chart Examples
Lecture 23 - Control Charts by Excel
Lecture 24 - Process Capability
Lecture 25 - Quality Function Deployment
Lecture 26 - Design of Experiments - Overview
Lecture 27 - Planning for DOE
Lecture 28 - Factor Effect Calculations
Lecture 29 - ANOVA in DOE

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- Lecture 30 - Benchmarking in Six Sigma
- Lecture 31 - How to Benchmark
- Lecture 32 - Six Sigma in Supply Chains
- Lecture 33 - Taguchi Methods
- Lecture 34 - Robust Design
- Lecture 35 - The Journey to Six Sigma
- Lecture 36 - A Case Study of Defect Reduction
- Lecture 37 - DFM & Reliability
- Lecture 38 - Failure Modes & Effects Analysis (FMEA)
- Lecture 39 - Implementing Six Sigma
- Lecture 40 - Getting Results From Six Sigma