NPTEL Video Course - Management - NOC:Total Quality Management - I

Subject Co-ordinator - Prof. Raghunandan Sengupta

Co-ordinating Institute - IIT - Kanpur

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

Lecture 1 - Quality and its Dimensions
Lecture 2 - Quality and Variability
Lecture 3 - History of Quality Control
Lecture 4 - Management Aspects of Quality - I
Lecture 5 - Management aspects of Quality - II
Lecture 6 - Introduction to Concepts of Probability
Lecture 7 - Six Sigma Overview
Lecture 8 - DMAIC for Problem Solving
Lecture 9 - DMAIC exmaples and DMADV
Lecture 10 - Quality Improvement
Lecture 11 - 7 Old Tools for Quality Assurance
Lecture 12 - 7 New Tools for Quality Assurance
Lecture 13 - CPM, PDPC and Introduction To House of Quality
Lecture 14 - Building the House of Quality
Lecture 15 - Introduction to Acceptance Sampling
Lecture 16 - The Operating Characteristic Curve
Lecture 17 - The OC curve and Sampling Plans
Lecture 18 - Double Sampling
Lecture 19 - Sequential Sampling, Military Standard and Introduction to R
Lecture 20 - Basic Understanding of R and Introduction to Control Charts
Lecture 21 - Basics of X bar and R chart
Lecture 22 - Usage of X bar chart and R chart
Lecture 23 - Variable Sample Size in X bar and R chart
Lecture 24 - Patterns in Charts
Lecture 25 - S chart and OC curve
Lecture 26 - S square chart and MR chart
Lecture 27 - Attribute charts- The p chart
Lecture 28 - np control chart
Lecture 29 - Estimating control limits with varying sample size

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