



Executive Overview for Design for Six Sigma (DFSS)

4 Hours

Audience and Purpose:

This course is designed for Executives and Managers working directly with Champions, Black Belts and Green Belts on Lean Design for Six Sigma. Topics include an overview of the core methodologies associated with developing products and services that customers want and need to purchase and maximizes customer satisfaction and loyalty.

Course Objectives:

Upon completion of the course, the participants will be able to:

1. Describe the Design for Six Sigma strategy
2. Understand Management's role in the Design for Six Sigma initiative
3. Integration of DFSS with current Lean Six Sigma and NPI activities
4. Understand the DFSS methodology and how it applies to NPI development activities.
5. Establish and utilize DFSS metrics

Course Outline:

Section I	DFSS Introduction
Section II	Management Infrastructure for DFSS
Section III	Integrating DFSS with New Product Development Processes
Section IV	DMADV Methodologies (Define, Measure, Analyze, Design and Verify) Voice of the Market, Voice of the Customer Lean Six Sigma deployment model Benchmarking Quality Function Deployment Design for X Design guidelines and constraints Design for Manufacturability and evaluating design performance Robust Optimization and Tolerance Design Reliability Analysis
Section V	Implementation Issues and Timelines