

Six Sigma Yellow Belt Training Guide

This training and certification guide provides the details on major topics below.

The guide contains an overview of the philosophy and methodology of Six Sigma including:

- Six Sigma Fundamentals
- Six Sigma Methodologies
- Benefits and Implications of Six Sigma Program
- Relationship of Six Sigma Concepts to Overall Business Objectives
- Business Success of Six Sigma
- Sigma Level and Defects per Million Opportunity (DPMO)
- Cost of Poor Quality: Detection vs. Prevention System
- Sigma Level and Process Capability
- DMAIC (Define-Measure-Analyze-Improve-Implement-Control) Process
- How the DMAIC Model is used for Process Improvement
- Organizational Factors that are necessary groundwork for a successful Six Sigma Program
- Define a Plan for Implementing Six Sigma in Your Organization
- Statistics Overview for a Six Sigma Program
- Data Collection
- Basic Measurement System Analysis
- Basic Capability Analysis
- Graphical Techniques using Computer
- Quality Tools
- Introduction to Hypothesis Testing
- Introduction to DOE (Design of Experiment)
- Introduction to SPC (Statistical Process Control)
- Case studies from manufacturing, service, and business processes to present Six Sigma overview and benefits
- Six Sigma and Lean Six Sigma
- Lean Six Sigma and Design for Six Sigma (DFSS)
- Computer Applications and Implementation
- Software for Six Sigma
- Wrap up: What Six Sigma can do for your company?
- Six Sigma teams and certification

Lean Six Sigma: Yellow Belt Training/Certification

At the end of the training you will be required to submit a brief report. The guidelines for preparing the report will be provided. You will be awarded a Six Sigma Yellow Belt certification after successful completion of the training. The training can be completed on-line, at your company's site, or at our training facility.

The yellow belt training guide contains:

- Discussion on each topic above
- Examples within the Chapters
- Self-test Problems
- Solutions to Self-test Problems
- True-false Questions to Test your Understanding
- Multiple Choice Questions to Test your Understanding
- Solutions to True-false and Multiple Choice Questions
- Computer Applications using MINITAB
- Examples
- Six Sigma Project Execution: Examples