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ASQ Certified Six Sigma Green Belt (SSGB)

Course No. 113

This course is designed to prepare students for the ASQ Certified Six Sigma Green Belt (SSGB) exam. Six Sigma Green Belts are employees who spend some of their time on process improvement teams. They analyze and solve quality problems, and are involved with Six Sigma, Lean, or other quality improvement projects.

Course Benefits

Becoming certified as a Six Sigma Green Belt confirms participants' commitment to quality and the positive impact it will have on your organization.

Prerequisites

3 years of work experience in one or more of the Six Sigma Green Belt Body of Knowledge.

Duration

Six Days (42 hours)

Learning Objectives

At the end of this course, participants will be able to:

1. Lead successful process improvement projects
2. Understand roles of leadership, champions, and project teams
3. Understand the Six Sigma Process and DMAIC methodologies
4. Understand how Six Sigma supports overall organization growth, mission, values, direction, and sustainability
5. Apply DFSS Methodologies to your organization
6. Determine Voice of the Customer (VoC)

Topics Covered:

- I. Six Sigma and the Organization
 - A. Six Sigma and Organizational Goals
 - B. Lean Principles in the Organization
 - C. Design for Six Sigma (DFSS) Methodologies
- II. Define Phase
 - A. Project Identification
 - B. Voice of the Customer (VoC)
 - C. Project Management Basics
 - D. Management and Planning Tools
 - E. Business Results for Projects
 - F. Team Dynamics and Performance
- III. Measure Phase
 - A. Process Analysis and Documentation
 - B. Probability and Statistics



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- C. Statistical Distributions
- D. Collecting and Summarizing Data
- E. Measurement System Analysis (MSA)
- F. Process and Performance Capability
- IV. Analyze Phase
 - A. Exploratory Data Analysis
 - B. Hypothesis Testing
 - C. Additional Analysis Methods
- V. Improve Phase
 - A. Design of Experiments (DoE)
 - B. Implementation Planning
 - C. Lean Tools
- VI. Control Phase
 - A. Statistical Process Control (SPC)
 - B. Sustain Improvements
 - C. Lean Tools for Process Control

Instructor:

The seminar leader is a Lean Six Sigma Master Black Belt with over 25 years' experience in implementing the methodologies.

Who Should Attend?

This course is designed for those who desire to support Six Sigma Black Belts to analyze and solve quality problems and be involved in quality improvement projects.

For More Information:

Contact Training administrator: training@qpsinc.com , Telephone: (508) 786-0777