Six Sigma Green Belt Training--Certification

Six Sigma Green Belt training provides a comprehensive understanding of the Six Sigma process and tools needed to support Six Sigma projects. This course is targeted for those individuals who will be supporting Six Sigma Black Belts and teams on a part-time basis. This seminar examines these roles and provides a framework for selecting, launching, supporting and institutionalizing Six Sigma Projects. This Seminar Content represents an Option for training over ten (10) days, including four (4) sessions. These normally are not done consecutively. In-between each session could be up to four weeks for project work by the team members. This course focuses on

Hours: 8 a.m. – 4 p.m.
Length: 10 days

Course Objectives:
Participants will learn:
- The concept of Six Sigma
- How to identify strategic improvement opportunities
- The major components of the DMAIC process.
- Tools used in each component of the DMAIC process.
- Requirements associated with SSGB certification.

Who Should Attend:

Team leaders, engineers, quality professionals and others involved in the systematic identification and realization of significant process improvement.

Related Seminars:

- Six Sigma Champions Training
- Six Sigma Black Belt Certificate Program.

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Seminar Content

Session 1: 3-Day--Overview and Define

Overview of Six-Sigma
- History of Six Sigma
- The Six Sigma Model
- What Six Sigma really means
- Benefits of Six Sigma
- Roles in the Six Sigma Team

Project Selection
- The Balanced Scorecard
- Project Selection Criteria
- Selecting Six Sigma Projects
- Project Approval – Obtaining Management Commitment.

Define
- Developing the Project Charter
- Understanding the Current Process
- Process Mapping and SIPOC
- Concepts of Variation
- Descriptive Statistics
- Refining the Project

Session 2: 2-Day--Measure

Measure
- Identifying Data Requirements
- Types of Data
- Process Capability
- Developing a Data Collection Strategy and Plan
- Data Collection Tools and
- Measurement Systems Analysis.

Session 3: 3-Day--Analyze and Improve

Analyze
- Data Analysis Tools and Methods
- Brainstorming
- Affinity Diagrams
- Cause and Effect Diagrams
- Pareto Charts
- Trend Charts
- Basic Statistical Process Control
- Simple Applied Statistics.

Improve
- Identifying Potential Solutions
- Behavior vs. Technical Controls and Mistake Proofing.
- Selecting Solutions – Benefits vs. Costs
- Using FMEA to Assess Risks

Session 4: 2-Day Control

Control
- Institutionalizing the Solutions
- Training
- FMEA
- Ongoing Monitoring
- Documentation