Six Sigma Green Belt - Foundations

Sat, 03/20/2010 - 08:55 — Chris

A practical approach to Lean Six Sigma. Learn best practices approaches you can apply immediately in your work and build a foundation for further development. Learn the DMAIC (define, measure, analyze, improve and control) approach to process improvement projects and the appropriate tools and techniques. Understand quality principles and systems, strategy, process management, lean principles in the organization, team management and best practices for continuous improvement.

This course covers the main parts in the ASQ Body of Knowledge for SSGB certification and it is a prerequisite for Six Sigma Green Belt – Advanced Topics [1].

Course Content

- Overview: Six Sigma & the Organization
  - Six Sigma and Organizational Goals
  - Lean Concepts & Tools
  - Value Added and Non-Value Added Activities
  - Design for Six Sigma
- Six Sigma - Define
  - Process Management for Projects, process elements & customer data
  - Project Management Basics, charter, scope, planning & documentation
  - Management & Planning Tools, affinity models, tree diagrams, prioritization matrices, et. al.
- Six Sigma - Measure
  - Process Analysis & Documentation
  - Probability & Statistics
  - Collecting & Summarizing Data
  - Measurement System Analysis
  - Process Capabilities & Performance
- Six Sigma - Analyze
  - Exploratory Data Analysis
  - Multi-variable Studies
  - Correlation and Regression
- Six Sigma - Improve & Control
  - Statistical Process Control
  - Solution Implementation & Validation
  - Contol Plans
- Review & Next Steps

Pillar: Team Excellence
Price: $750.00 per student*
Duration: 18.00 hrs
*Pricing varies according to student number, venue & sponsoring organization expense sharing - call for an exact quote.

- Quality Excellence [2]

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[2] http://www.ceptara.com/taxonomy/term/3

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