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MAKING BOTTOM LINE IMPACT

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Lean Six Sigma Black Belt Certification

Course No. 118A

This course covers Lean and Six Sigma tools and techniques to effectively lead Lean and Six Sigma projects in manufacturing and service industries. This is eight days of rigorous and applied training and coaching for participants with a Green Belt.

Course Benefits

Participants learn to implement breakthrough improvements, lead Lean Six Sigma projects, support management in the deployment of Lean Six Sigma, and use Lean Six Sigma tools and techniques to achieve bottom-line success.

Prerequisites

Green Belt Certification

Duration:

Six days (42 hours)

Learning Objectives:

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

- Understand the concepts comprising Lean Six Sigma.
- Apply Minitab and metrics, as well as project management.
- Understand Quality Function Deployment (QFD).
- Understand Failure Modes and Effects Analysis (FMEA).
- Apply methodologies such as benchmarking, central limit theorem, correlation and regression, analysis of variance, etc.
- Lead Lean Six Sigma projects in the manufacturing and service industries.
- Implement team building.
- Facilitate group dynamics.
- Manage for change.
- Create and complete a Lean Six Sigma project.
- Pass a comprehensive written exam and earn a certificate.

Topics Covered:

- Lean Six Sigma Orientation
- Using Minitab
- Metrics
- Project Management
- Team Building
- QFD
- Process Mapping



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- Probability
- FMEA
- Statistical Tools and Techniques
- Benchmarking
- Central Limit Theorem
- Multi vari Analysis
- Confidence Interval
- Hypothesis Testing
- Correlation and Regression
- Analysis of Variance
- Group Dynamics
- Set Up Time Reduction/JIT (Just in Time - JIT)
- Design of Experiments (DOE) - Background and Roadmap
- Facilitating Teams
- Kaizen Planning/Workshop
- Control Charts
- Mistake Proofing
- Supply Chain Excellence
- Managing for Change
 - Lean Six Sigma Tools
 - Lean Strategies and the Strategic Master Plan
 - Kaizen
 - Supply Chain Management
 - Team Management

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 for people with the responsibility to execute Lean and Six Sigma projects. These are the doers - the project professionals, engineers, managers, implementers, and change agents in an organization.

For More Information:

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