



HEROTEC

NETWORK PROFESSIONAL TRAINING

Lean Six Sigma Green Belt

Related Certificate	Lean Six Sigma
Audience	<ul style="list-style-type: none">• Process Development Engineers• Operating System Specialists• Business Process Analysts• Data Scientists• Project Engineers
Duration	40 hours

PROFE

Introduction

- The Certified Lean Six Sigma Green Belt is a professional who is well versed in the core to advanced elements of Lean Six Sigma Methodology, who leads improvement projects and / or serves as a team member as a part of more complex improvement projects lead by a Certified Black Belt, typically in a part-time role.
- In this Lean Six Sigma Green Belt Certification Training Course you will learn all aspects of the Lean Six Sigma Method including competence in subject matters contained within the phases of Define, Measure, Analyze, Improve and Control (DMAIC) as defined by the Lean Six Sigma Green Belt Body of Knowledge

Course Outline.

- Lean Six Sigma Introduction
- Six Sigma Overview
- DMAIC Methodology
- Lean Enterprise
- Define Phase Overview
- Voice of Customer (VOC)
- Critical to Quality (CTQ)
- SIPOC
- Stakeholder Analysis
- Project Charter
- Measure Phase Overview
- As-is Process Review (Process Definition)
- Data Collection and Analysis (Basic Statistics)
- Data Accuracy and Precision (Measurement System Analysis-MSA)
- Process Capability and Stability
- Analyze Phase - Overview
- Patterns of Variation
- Inferential Statistics
- Hypothesis Testing
- Hypothesis Testing with Normal Data
- Hypothesis Testing with Non-normal Data
- End of Analyze Phase Module: Summary
- Improve Overview
- Potential Solutions Generation
- Lean Solutions/Tools
- Mistake-Proofing
- Select the Best Solution
- Pilot Implementation
- Simple Linear Regression
- Multiple Regression Analysis (MRA)
- Control Overview
- Lean Controls
- Statistical Process Control
- Six Sigma Control plan

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