



HEROTEC

NETWORK PROFESSIONAL TRAINING

Lean Six Sigma Black 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	48 hours

PROFE

Introduction

- The Certified Lean Six Sigma Black Belt Certification Training course is a professional who is well versed in the Lean Six Sigma Methodology, who leads complex improvement projects, typically in a full-time capacity.
- A Certified Lean Six Sigma Black Belt possesses a thorough understanding of all aspects of the Lean Six Sigma Method including a high-level of competence in the subject matters contained within the phases of Define, Measure, Analyze, Improve and Control (DMAIC) as defined by the Lean Six Sigma Black Belt Body of Knowledge.
- In this Lean Six Sigma Black Belt Certification Training course understands how to implement, perform, interpret and apply Lean Six Sigma at an advanced level of proficiency.

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

Contacts:

Address:

28 Makram Ebeed , Nasr City, Cairo, Egypt.

Mob: 002 0164010004

E-mail:

info@herotec.net

Corporate@herotec.net

www.herotec.net