



## Lean Six Sigma Green belt



**Course Duration: 8 Days - 8 Hours/day**

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## Seminar Content

Gain fundamental knowledge of the Lean Six Sigma Strategy and tools in order to assist Black Belts in Breakthrough project implementation and apply the DMAIC process to local problem solving projects

## Learning Objectives

- This workshop enables participants to become the primary members in a project team to achieve Six Sigma levels of quality using a Breakthrough Strategy and methodology to address key product/service improvement opportunities

## Seminar Outline

### Day 1

- Vision of Lean/Six Sigma
- Voice of Customer
- Project Selection & Monitoring
- Basic Statistics

### Day 2

- Process Mapping
- Failure Mode and Effects Analysis
- Capability Analysis

### Day 3

- Measurement Systems Analysis
- Brainstorming
- Minitab Overview and workshop

### Day 4

- Exercises on Minitab
- Planning for Define and Measure phase

### Day 5

- Principle of Data collection & analysis
- Graphical Methods
- Central Limit Theorem
- Confidence Intervals

### Day 6

- Multi-Vari Analysis
- Lean Tools
- Hypothesis Testing

### Day 7

- 1-Way ANOVA
- Full factorial/2K Factorial/DOE
- Validating the plan/ Financial Impact
- Standardized work

### Day 8

- Visual Controls
- Statistical Process Control
- Mistake Proofing
- Sustenance Audits and review

## Who Should Attend

This workshop is intended for Individuals who will participate in a Six Sigma, quality, or process improvement team; those who will champion and support Six Sigma projects.

## Seminar Materials

Each participant will receive a Manual with all course materials.

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