

LEAN SIX SIGMA GREEN BELT

LET008

COURSE OVERVIEW

With increasing market challenges and internal/external competition, organizations are striving to improve operations Efficiency, reduce cost and increase Productivity and Product Quality. Six Sigma is defined as a method that provides tools to improve business process capabilities. It helps organizations to help to achieve increased profit, increased customer satisfaction, overall performance improvement, operations cost reduction, and increase productivity of resources (manpower – machines).

Lean Six Sigma Green belt is an important step into Lean Six Sigma training. Trainee will follow the DMAIC methodology (Define, Measure, Analyze, Improve and Control) while learning the tools necessary to perform at a Green Belt level on a project team.

COURSE GOALS

To enhance the participants' knowledge, skills, and ability to be the change agents at their organizations and help to achieve increased profit, increased customer satisfaction, overall performance improvement, operations cost reduction, and increase productivity of resources.

COURSE OBJECTIVES

By the end of the course, participants will be able to:

- Understand the history and principals of Lean and Six Sigma
- Explain the differences between Lean and Six Sigma
- Explain how Lean Six Sigma is deployed within a business
- Understand the role of a Green Belt project manager

WHO SHOULD ATTEND

This course is suited to those just entering the Lean Six Sigma arena as well as those preparing for Green Belt certification.

COURSE DURATION

5 Working Days



COURSE OUTLINES

1. Introduction

- Lean Thinking
- Lean Enterprise
- Lean Six Sigma,
- Why Use Six Sigma?
- Deploying Lean Six Sigma in the business

2. Measure

- Six Sigma Statistics
- Measurement Systems Analysis,
- Process Capability

3. Analyze

- Patterns of Variations,
- Classes of Distribution,
- Multi-Variance Analysis,
- Inferential Statistics,
- Hypothesis testing (Analysis of variance - ANOVA)

4. Improve

- Simple Linear Regression,
- Correlation,
- Multiple Regression Analysis

5. Control

- Control plans,
- Poka-Yoke,
- Cost Benefit Analysis,
- 6S,
- Kanban,
- Statistical Process Control

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