

## Lean Six Sigma Green Belt

**Training Course**      **Lean Six Sigma Green Belt**

**Course Language**      **English**

**Course Duration**      Total Number of hours 24

### Course Overview

Green Belt certification is the start of the Six Sigma Certification. Green Belt focuses on DMAIC aspects. DMAIC stands for define, measure, analyze, improve and control. This course provides you with a great start in not only completing and getting certified but also prepares you move on to the next level. The syllabus is inclusive of project management, estimation and resolving techniques and practical sessions that revolve around complex real-time scenarios.

### Course Objectives

- Understanding of the concepts, implementation & objectives of Six Sigma
- Ability to use a structured approach to process improvement
- Ability to use DMAIC (Define, Measure, Analyze, Improve and Control) Methodology
- Skill to predict, prevent and control defects in a process
- Understanding of the elements of waste
- Skills to achieve sustainable quality improvement through process improvement

### Course Key Topic Area Includes:

#### Course Content

- Statistical and other analytical methods for identifying and understanding sources of variation
- History of Six Sigma
- Problem solving
- Basic statistics and displays of data
- Process mapping and measurement techniques
- Six Sigma tools and techniques
- DMAIC process improvement roadmap
- How to establish customer requirements
- How to measure and quantify process performance.

### At the end of the program the trainees will be able to:

#### Learning Outcomes

- Lean Six Sigma for service and every other type of business or industry
- To create shorter cycle time for production
- How to implement faster response time for services
- Ways to lower costs to provide products and services
- Customer satisfaction improvement
- Increase productivity from fewer resources

#### Target Audience

- Engineers / Executives / Professionals working in different sectors seeking knowledge of Six Sigma as a management tool for process improvement at their work place.
- Quality and Process Managers, Engineers and Executives who need to have a better understanding of Six Sigma and the application of Six Sigma in process / quality improvements.
- Production Managers, Production Supervisors and Customer Service Managers.
- Consultants who want to incorporate Six Sigma in their service offerings and help their clients implement it.

#### Course Material /Technology used/ Details Relevant to the course.

The course includes a series of presentations, tutorials, discussions, workshops, quiz and examination