

Lean Six Sigma Green Belt Training & Certification Program (2 Weekend Batch)

Course Features

- ♣ Help understand the six sigma methodologies
- ♣ How to initiate six sigma in your organization
- ♣ Types of Projects
- ♣ Lean concepts included
- ♣ Learning of several six sigma tools including lean tools
- ♣ Explanation through example
- ♣ Exercises to practice

Course Objectives

Post this training participants will be able to :

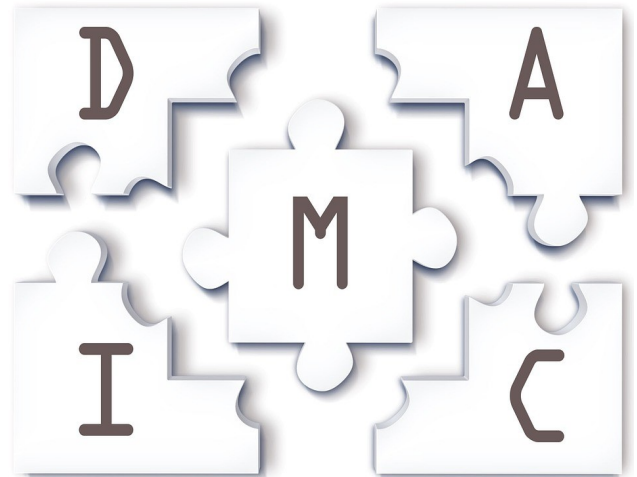
- ♣ Reduce variation within their process, stabilize and improve capability
- ♣ Select high impact projects
- ♣ Decide on the approach of project execution
- ♣ Drive the project within organization
- ♣ Apply various tools and techniques
- ♣ Improve process and customer satisfaction

Who should attend?

- ♣ Individuals wishing to become part of companywide Lean Six Sigma practices and/or Improvement Projects
- ♣ Working Executives wishing to become Lean Six Sigma Experts (e.g. QA Engineers, Project Managers, Team leaders, Software Professionals, Practitioners, Software QA team members and Senior Management)
- ♣ Individuals wishing to get certified as Green Belt in Lean Six Sigma
- ♣ Future Managers
- ♣ Professionals involved in research, innovations or consulting in process improvement practices
- ♣ Management and Engineering Students desirous to be more resourceful and employable

**9th & 10th January'2021,
16th & 17th January'2021**

Time: 9.30am to 5.30pm



Course Contents

- ♣ **Day 1:**
- ♣ Introduction to six sigma
 - History of Six Sigma
 - Six Sigma as transformational strategy
 - Balanced score card
 - Types of projects
 - Introduction to DMAIC
- ♣ Introduction to lean Concepts
 - The lean concept
 - Lean principles
 - House of Lean
 - 5S and standardization
 - The 8 major wastes
 - Takt Time
 - Overall Equipment effectiveness
 - Value stream mapping
 - Linkage of Lean Concepts and DMAIC



Course Contents (Continued)

- ♣ **Day 2:**
 - ◆ Define Phase
 - Voice of customer & Voice of Voice of process
 - Project charter
 - CTQ Drill Down Tree
 - Team formation – ARMI tool
 - SIPOC
 - Estimation of Benefit
 - Gantt Chart
 - CTQ present state

- ♣ Measure
 - Process Map
 - Fundamental of statistics
 - DPMO, DPU and sigma level
 - Central limit theorem
 - Process capability
 - Process capability and performance
 - Measurement System analysis
 - Linearity, Bias, Stability
 - Accuracy, Precision, Discrimination, GRR for variable data
 - Introduction to Minitab

- ♣ **Day 3:**
 - ◆ Measurement & Analyze Phase
 - Effectiveness, Miss Rate, False Alarm for discrete data
 - Cause and Effect Diagram
 - 5 Why Analysis
 - Correlation and Regression
 - Test of Hypothesis
 - Z test T test, 2t test
 - Chi Square Test

- ♣ **Day 4:**
 - ◆ Improve & Control Phase
 - Brainstorming
 - Action Planning
 - Action effectiveness
 - Horizontal Deployment
 - Basic of FMEA
 - Control Plan
 - Human Error and Mistake Proofing
 - Toll Gate Review
 - Financial Benefit Calculation



Issue of Certificate

Certificate of successful completion shall be issued to all the delegates who attend entire duration of the course and pass the online exam.

Duration: 8 Hours including 1 hour break for all four days

Registration Fee : Rs. 12,000 + 18 % GST Per Participant

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