

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 :

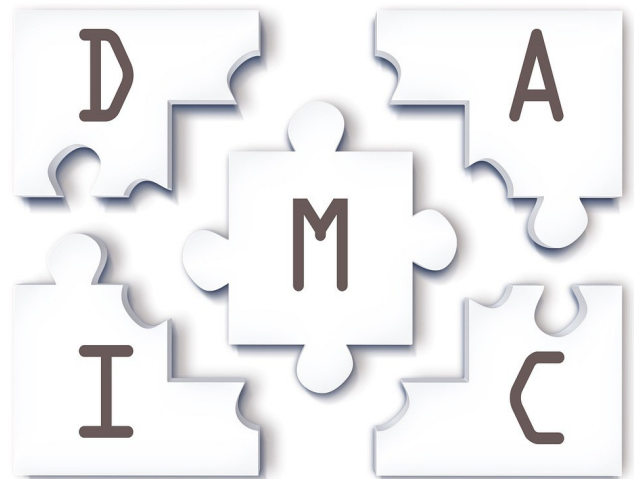
- ♣ Reduce variation within their process, stabilize and improve capability
- ♣ Select high impact projects
- ♣ Decide on the approach of project execution
- ♣ Drive the project within organization
- ♣ Apply various tools and techniques
- ♣ Improve process and customer satisfaction

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

**23rd & 24th January'2021,
30th & 31st 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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