

## Online Lean Six Sigma Green Belt Training & Certification Program

### 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 :

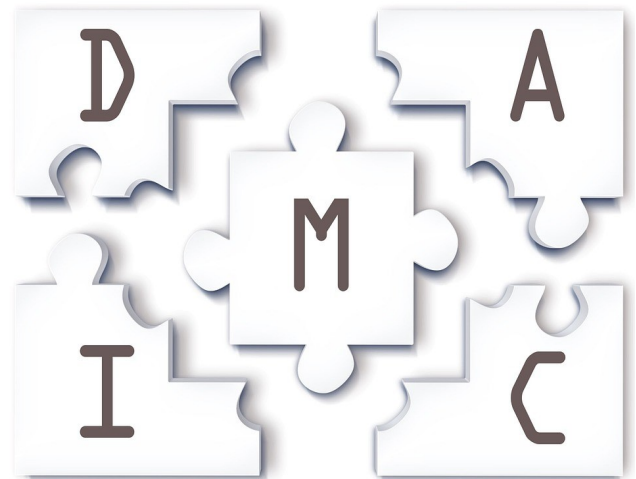
- ♣ Reduce variation within their process, stabilize and improve capability
- ♣ Select high impact projects
- ♣ Decide on the approach of project execution
- ♣ Drive the project within organization
- ♣ Apply various tools and techniques
- ♣ Improve process and customer satisfaction

### 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

**22nd & 23rd August'2020**  
**29th & 30th August'2020**

**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. 12000 + 18 % GST Per Participant**

To know about all our Online Training Programs scan adjacent QR Code

**To Register and Pay : [Click Here](#)**

**Registered & Head Office-**

801, Raheja Plaza I, LBS Marg, Ghatkopar (W), Mumbai 400 086

Email: [trainingindia@tuv-nord.com](mailto:trainingindia@tuv-nord.com) Tel: +91-22-66477000

Website: [www.tuv-nord.com/in](http://www.tuv-nord.com/in)

Toll Free: 1800-209-0902

TÜV®

All our Online Training Offerings are for the resident of India & Sri Lanka

