

## 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 :

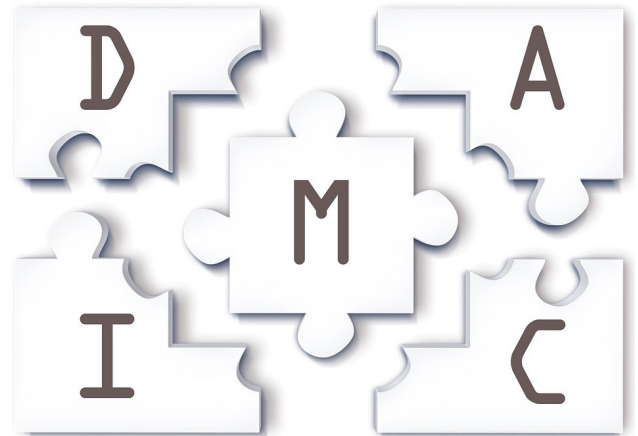
- ♣ Reduce variation within their process, stabilize and improve capability
- ♣ Select high impact projects
- ♣ Decide on the approach of project execution
- ♣ Drive the project within organization
- ♣ Apply various tools and techniques
- ♣ Improve process and customer satisfaction

### 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

**5th & 6th  
12th & 13th Feb 2022**

**Time: 9:30 AM to 5:30 PM**



### 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**

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

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

**Registered & Head Office-**

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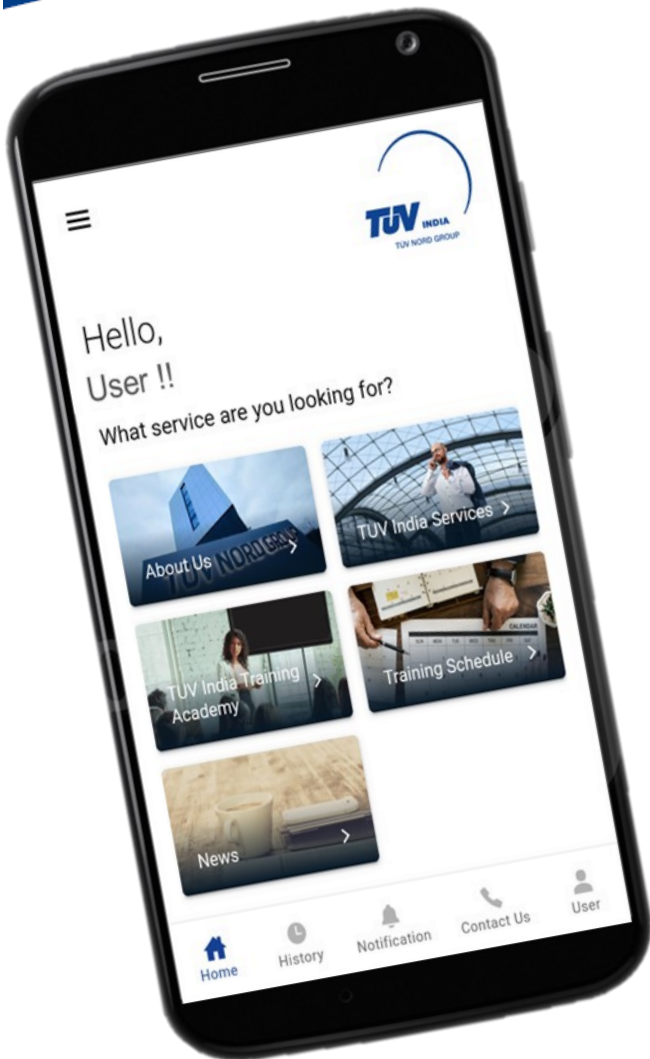
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All our Online Training Offerings are for the resident of India & Sri Lanka Only.



# TUV India's Customer Friendly Mobile App

## TUV INDIA TRAINING ACADEMY (TITA)



**Our user friendly mobile application is developed to provide constant connect with our customers and participants along with hands-on information about the latest offerings of TUV India Training Academy. The app is also apprising the users on diverse service portfolio of TUV India along with latest developments related to our company.**

Some of the highlights of our app are:

- Available on Android- Google Play Store & iOS Apple Store
- Provides overview about TUV India (TUV NORD GROUP), our services and latest developments
- Details about TUV India Training Academy offerings
- Training Schedules – both Class Room and Online Trainings
- \* For each training, the app provides Course Features, Who should attend, Course Contents, Pre-requisites etc
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- \* Certificates for attended programs based on user eligibility
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