

## Lean Six Sigma Green Belt Training and Certification Course



Unichrone



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# About Unichrone

We are a professional training institute with an extensive portfolio of professional certification courses. Our training programs are meant for those who want to expand their horizons by acquiring professional certifications across the spectrum. We train small- and medium-sized organizations all around the world, including in USA, Canada, Australia, UK, Ireland and Germany.



Guaranteed Quality



Handpicked Trainers



Global Presence



Online Training Option

We've trained professionals across global companies



# Unichrone Training Advantages

- TUV SUD accredited certification training
- 4-day interactive instructor-led training program
- Lean Six Sigma Master Black Belt Trainer
- Copy of course content provided
- 32 PDUs certificate offered
- Interactive sessions with case studies
- 2 Six Sigma Green Belt practice tests with detailed answers
- Exam fees included in the training course

# Lean Six Sigma Green Belt Certification Advantages



## ELIGIBILITY CRITERIA

The Lean Six Sigma Green Belt Certification Training Course is beneficial for engineers, managers, quality professionals and process owners with a minimum of 2 years of work experience.

## WHO SHOULD ATTEND

Engineers / Professionals / Executives who want to understand Six Sigma as a management tool for process and performance improvement at their work place . Quality and Process Managers, Engineers and Executives who need to gain knowledge of Six Sigma in process / quality improvements Production Managers, Production Supervisors and Customer Service Managers . Consultants who want to add Six Sigma Green Belt in their service offerings and help their customers implement it.



Are you eligible?  
Yes   
No

# Syllabus of Lean Six Sigma Green Belt Certification Training

## Basics of Six Sigma

- What is Six Sigma?
- Six Sigma Approach
- Six Sigma As A Measure
- Why Six Sigma?
- History of Six Sigma
- Six Sigma Projects & Organizational Goals
- Process for Six Sigma – DMAIC
- What is LEAN
- Types of Wastes in LEAN (MUDA)
- LEAN Toolkit
- LEAN Techniques & Principles
- Structure of Six Sigma Teams
- DMAIC and DMADV
- Normal Distribution Curve or Bell Curve
- Design For Six Sigma (DFSS)
- Summary
- QuickQuiz

# Syllabus of Lean Six Sigma Green Belt Certification Training

## DEFINE Phase D-M-A-I-C-Agenda

- Key Deliverables
- DEFINE Phase: A Snapshot
- Overview
- Identify Customers / Stakeholders
- Voice of the Customer (VOC)
- Critical-To-Quality (CTQ)
- Cost of Poor Quality (COPQ)
- ProjectCharter
- ProjectMetrics
- Defects-Per-Unit (DPU)
- Defects Per MillionOpportunities (DPMO)
- Sigma Level
- S-I-P-O-C & C-O-P-I-S
- Process Mapping & Flowcharting
- Summary
- Quick Quiz

# Syllabus of Lean Six Sigma Green Belt Certification Training

## MEASURE & ANALYZE Phase D-M-A-I-C

- Key Deliverables
- Overview of the MEASURE phase
- Data Types
- Operational Definition Worksheet (ODW) for base lining
- Data Collection Plan / Form (DCP / DCF)
- Cause-and-Effect Diagram / Fishbone Diagram
- Statistics
- Measurement System Analysis (MSA)
- Process Capability Indices (PCI)
- Scatter Plot / Diagram
- Pareto Chart
- Run Chart
- Histogram
- Box Plot
- 5-WHY Analysis
- Hypothesis Testing
- Regression Analysis (An Overview)
- One-Way ANOVA



# Syllabus of Lean Six Sigma Green Belt Certification Training

## IMPROVE CONTROL Phase D-M-A-I-C

- Key Deliverables
- Overview:IMPROVE phase
- Generating creative solution ideas
- Tree Diagram
- Failure Modes & Effects Analysis (FMEA)
- LEANTools:-
  - 5S
  - Poka-Yoke
  - Heijunka
  - Takt-time
- Overview: CONTROL Phase
- Statistical Process Control (SPC) – An Overview
- Causes of Variation – CCV and SCV
- Control Charts:-
  - X-bar & R-chart
  - X-bar & S-chart
- Rational Sub-grouping
- Process Management Charts
  - Process Dashboards
  - Process Control Plan (PCP)
- Summary
- Quick Quiz

# Certification

- **Lean Six Sigma Green Belt Exam Format:**
- **Type:** Multiple choice and scenario-based examination
- **No of Questions:** 50
- **Examination duration:** 1 and Half Hours (90 Minutes)
- **Exam Result:** 35 marks required (35 out of 50 available) to pass, equivalent to 70%

# Contact Us

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<https://unichrone.com>