Lean Six Sigma Green Belt Certification Training - Brochure

Gain Knowledge and become a Quality Management Specialist

Importance of Lean Six Sigma Green Belt Certification

Six Sigma is an overall approach that combines Six Sigma concepts and tools to the lean manufacturing / lean enterprise philosophy, striving to eliminate waste of physical resources, time, effort and talent, while assuring quality in production and organisational processes.

Many organisations around the world are looking to Six Sigma to provide them the competitive edge, improve processes, reduce cost, solve organisational problems and develop skill base to sustain improvement over a longer period of time. Overall, the Six Sigma Green Belt module helps one to learn objectives of Six Sigma, contribute towards improving efforts in services, acquire knowledge of data collection, process mapping, analyse and implement Six Sigma concepts.

The best part about Six Sigma is that it is perfect for all businesses; it provides a holistic view of processes that need to be streamlined to achieve higher ROI. Getting the workforce trained in Six Sigma Green Belt provides an in-depth understanding of the framework that in turn helps an organisation to strive towards a common goal which is to improve the quality of the service or product.

Get Invensis Learning Advantage

- TUV SUD accredited certification training
- 5-day interactive instructor-led training program
- Six Sigma Black Belt expert trainer
- Copy of course content provided
- 30 PDUs certificate offered
- Interactive sessions with case studies
- 2 Six Sigma Green Belt practice tests with detailed answers and explanations
- Exam fees included in the training course
- Classes across 108+ locations worldwide

Advantage of Lean Six Sigma Green Belt Certification

Better Execution

Lean Six Sigma links strategic initiatives to operational improvements to create efficiencies for your business.

Build Customer loyalty

Six Sigma helps to target your customer needs so you can improve the things that matter most to your customers.

Create Greater Returns

Six Sigma helps to lower the operational costs and reduce the turnaround time in delivery of products and services to bring about higher customer satisfaction.

Certifies your Talent

The Six Sigma Green Belt credential is proof that you have the experience and skills to deliver quality service that matches customer expectations.

Improves your work performance

Professionals with Six Sigma Green Belt credentials usually see better salary hikes than their non-certified counterparts.

Opens Doors

A Six Sigma Green Belt credential can get you access to globally renowned companies of your choice.

Applies Everywhere

Six Sigma Green Belt certification is based on achieving excellence while providing quality services. The concepts and techniques can be adapted to any real-world challenge across industries, market segments and geographies.

About Invensis Learning

Invensis Learning is a pioneer in providing globally-recognised certification training courses for individuals and enterprises worldwide. Our training methodology coupled with high quality courseware have enabled organisations to achieve high-impact learning with increased knowledge, competence, and performance.

We offer courses in various categories such as Project Management, IT Service Management, IT Security and Governance, Quality Management, Agile Project Management, DevOps, and Cloud Courses. We have trained 10000+ professionals worldwide and are a trusted partner for Fortune 500 companies, small and medium businesses, and government organisations to deliver globally-recognised training and certification programs. Invensis Learning certification training programs are adhered to global standards such as PMI, TUV SUD, AXELOS, ISACA, DevOps Institute, and PEOPLECERT.

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

Eligibility Overview

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 work experience

Examination format

Exam Type: Multiple choice and scenario-based examination
No. of Questions: 75
Exam Duration: 2 ½ Hours (150 Minutes)
Exam Result: 52 marks required (52 out of 75 available) to pass, equivalent to 70%

Syllabus of Lean Six Sigma Green Belt Training

Overview

- Introduction and ground rules
- Six Sigma Overview
    - History of Six Sigma
    - Value of Six Sigma
    - Where it can be used
- Lean Overview
    - History of Lean
    - PDCA
    - Lean HOQ
    - TPS Principles
    - Waste
    - Where it can be used
- Other Methodologies (PDCA, TOC and PM)
- Capture class background knowledge and expectations (4-square)

Define Stage

- Voice of Customer, Voice of Process, Voice of Business (Balanced Scorecard)
- Project Selection Process
- VOC to CTQ to Primary Metric (Problem Definition Tree)
- Project Management Basics
  - Charter
  - Scoping
  - Metrics
  - GANTT Charts
  - Risk Analysis
- Financial Benefits Assessment
- Team Dynamics and Stages
- Roles and Responsibilities
- Lean Tools (5S and Standardization)

Measure Stage

- Process Maps
- Basic Probability Concepts and Central Limit Theorem
- Collecting and summarizing data
  - Graphical techniques
  - Introduction to MINITAB®
- Basics of Measurement Systems Analysis
  - Accuracy
  - Precision
  - Discrimination
  - GR&R Studies

- Linearity
- Process Stability
- Process Capability
  - DPMO
  - DPU
  - Sigma Level
  - CP
  - CPK
- Lean Tools (OEE)

Analyze Stage
- Cause and Effect Diagrams
- Cause and Effect Matrix
- Introduction to Hypothesis Testing (Type I and Type II Errors)
- Correlation and Regression
- Compare Means, Variances and Proportions
- Lean Tools (5 Why Analysis)

Improve Stage
- Lean Tools (Waste Elimination, Kaizen)
- Brainstorming Techniques
- Solution Selection
- Basics of FMEA

Control Stage

- Control Methods (Documentation & Control Charts)
- Lean Tools (Poka-Yoke, Visual Control)
- Control Plan (Discussion on sustenance)
- Project Closure
  - Tollgate review
  - Lessons learnt
  - Replication
  - Handover meeting

Case Studies: Manufacturing Industry, Case Studies: Lean, Case Studies: 5S

* On Hands Training – MINITAB means industry questions will be shared with participants and will be supposed to perform the operations as per the training provided.

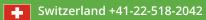** Excel Format's will be shared with the participants to perform other studies.

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