Lean Six Sigma Green Belt Certification Training

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Program **Overview:**

The Lean Six Sigma Green Belt course provides an overview of Six Sigma and the DMAIC methodology, and is aligned to the leading Green Belt certifications at ASQ and IASSC. In this course, you will learn how to identify process issues by measuring current performance and how to formulate solutions.

Program **Features:**

> 56 hours of applied learning

> 16 hours of Online self-paced learning

> 40 hours of instructor-led training

> 35 PDUs offered

> Four simulation test papers, 4 real-life projects

> Course completion certificate

Delivery **Mode:**

Online Bootcamp - Online self-paced learning and live virtual classroom

Prerequisites:

There are no prerequisites required to sit for the IASSC Certified Lean Six Sigma Green Belt exam.

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Target **Audience:**

> Quality System Managers

> Quality Engineers

> Quality Supervisors

> Quality Analysts, and Managers

> Quality Auditors

> Individuals who want to learn and practice Lean Six Sigma Principles

Key Learning **Outcomes:**

At the end of this Six Sigma Green Belt training, you will be able to:

> Become a key stakeholder in leading and implementing Lean Six Sigma projects in your organization

> Describe how to identify an improvement project in the Define phase

> Explain how to measure process and product in the Measure phase

> Perform data analysis and hypothesis testing in the Analyze phase

> Identify possible improvement actions for the performance of variations in the Improve phase

> Define efficient operating levels for inputs and outputs in the Control phase

> Use DFSS Tools such as Quality Function Deployment (QFD), Failure Mode and Effects Analysis (FMEA), and Risk Priority Number (RPN)

Certification **Alignment:**

Our Certified Lean Six Sigma Green Belt is aligned with IASSC and ASQ.

Certification Details and **Criteria:**

The IASSC Certified Green Belt Exam costs $295. Follow these steps to take the exam:

> Purchase the exam voucher from https://orders.iassc.org/ProductDetails. asp?ProductCode=ODWB-GBV

> Your IASSC exam voucher will be delivered to your email address

> Follow the instructions in the voucher to register for the testing environment and choose a date and time for your exam

> Log in to the testing environment 15 minutes before your exam

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Simplilearn Course **Completion Criteria-**

Online Classroom:

> Attend one complete batch
> Complete one simulation test with a minimum score of 60 percent

Online Self-Learning:

> Complete 85 percent of the course
> Complete one simulation test with a minimum score of 60 percent

Course **Curriculum:**

Module 00 - Course Introduction

> Lesson 00 - Course Introduction

Module 01 - Six Sigma and Organizational Goals

> Lesson 1.0 - Introduction to Six Sigma and Organizational Goals
> Lesson 1.1 - Six Sigma and Organizational Goals
> Lesson 1.2 - Lean Principles in the Organization
> Lesson 1.3 - Design for Six Sigma (DFSS) Methodologies
> Lesson 1.4 - Summary to Six Sigma and the Organization

Module 02 - Define Phase

> Lesson 2.0 - Introduction to Define Phase
> Lesson 2.1 - Project Identification
> Lesson 2.2 - Voice of the Customer (VOC)
> Lesson 2.3 - Project Management Basics
> Lesson 2.4 - Management and Planning Tools (Apply)
> Lesson 2.5 - Business Results for Projects
> Lesson 2.6 - Team Dynamics and Performance
> Lesson 2.7 - Summary of Define Phase
> Lesson 2.8 - Project 1

Module 03 - Measure Phase

› Lesson 3.0 - Introduction to Measure Phase
› Lesson 3.1 - Process Analysis and Documentation (Create)
› Lesson 3.2 - Probability and Statistics
› Lesson 3.3 - Collecting and Summarizing Data
› Lesson 3.4 - Statistical Distributions (Understand)
› Lesson 3.5 - Measurement System Analysis (MSA)(Evaluate)
› Lesson 3.6 - Process and Performance Capability
› Lesson 3.7 - Summary of Measure Phase
› Lesson 3.8 - Project

Module 04 - Analyze Phase

› Lesson 4.0 - Introduction to Analyze Phase
› Lesson 4.1 - Hypothesis Testing
› Lesson 4.2 - Exploratory Data Analysis
› Lesson 4.3 - Summary of Analyze Phase
› Lesson 4.4 - Project

Module 05 - Improve Phase

› Lesson 5.0 - Introduction to Improve Phase
› Lesson 5.1 - Design of Experiments (DOE)
› Lesson 5.2 - Root Cause Analysis (Analyze)
› Lesson 5.3 - Lean Tools08:49Preview
› Lesson 5.4 - Selecting a Solution
› Lesson 5.5 - Summary Improve Phase
› Lesson 5.6 - Project

Module 06 - Control Phase

› Lesson 6.0 - Introduction to Control Phase
› Lesson 6.1 - Statistical Process Control (SPC)
› Lesson 6.2 - Control Plan (Apply)
› Lesson 6.3 - Lean Tools for Process Control
› Lesson 6.4 - Summary of Control Phase
› Lesson 6.5 - Project

Tips and Tricks

Practice Projects

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Customer **Reviews:**

Harshit Joshi
Student at ips academy

I took a certification course of Lean Six Sigma Green Belt from Simplilearn. I understood the concepts so well that I now implement all of them in the organization. After the certification, I also got a new job with a great salary hike.

Rahul Kumar
AST at Tata Consultancy Services

Simplilearn is a great institute for learning. The support staff is accommodating and professional. Anytime you need any help, they are ready to provide it. I am also impressed with the teaching methods and techniques. I would highly recommend Simplilearn to anyone for a great career.

Punit Kamboj
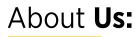Senior Quality Engineer at Robert Bosch Engineering Ltd.

I have taken up two courses: LEAN Management and Certified Lean Six Sigma Green Belt. The clarity and understanding of the courses were too good. I cleared both the exams in a single attempt as the course was detailed enough. Thank you! It was worth it.

Neha Saxena
Academic Coordinator at Yoshaka Edutech Pvt. Ltd.

Simplilearn is a great platform for professional courses. Their course contents are really good and easy to understand. They have the best trainers in the education industry. There support team is really good and they have a solution to almost every query.

About **Us:**

Simplilearn is the world's #1 online bootcamp provider that enables learners through rigorous and highly specialized training. We focus on emerging technologies and processes that are transforming the digital world, at a fraction of the cost and time as traditional approaches. Over one million professionals and 2000 corporate training organizations have harnessed our award-winning programs to achieve their career and business goals.

For more information, please visit our website:
https://www.simplilearn.com/quality-management/lean-six-sigma-green-belt-training

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Simplilearn is the world's #1 online bootcamp for digital economy skills training focused on helping people acquire the skills they need to thrive in the digital economy. Simplilearn provides outcome-based online training across technologies and applications in Data Science, AI and Machine Learning, Cloud Computing, Cyber Security, Digital Marketing, DevOps, Project Management, and other critical digital disciplines.

Through individual courses, comprehensive certification programs, and partnerships with world-renowned universities, Simplilearn provides millions of professionals and thousands of corporate training organizations with the work-ready skills they need to excel in their careers. Based in San Francisco, CA, and Bangalore, India, Simplilearn has helped more than one million professionals and 2,000 companies across 150 countries get trained, acquire certifications, and reach their business and career goals. With over 1,000 live classes each month, real-world projects, and more, professionals learn by doing at Simplilearn. Ongoing industry recognition for the company includes the 2020 Aegis Graham Bell Award for Innovation in EdTech and the 2020 Stevie® Gold Award for Customer Service Success.

India – United States – Singapore

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