



# Lean Six Sigma Expert

Accredited by



**IASSC**



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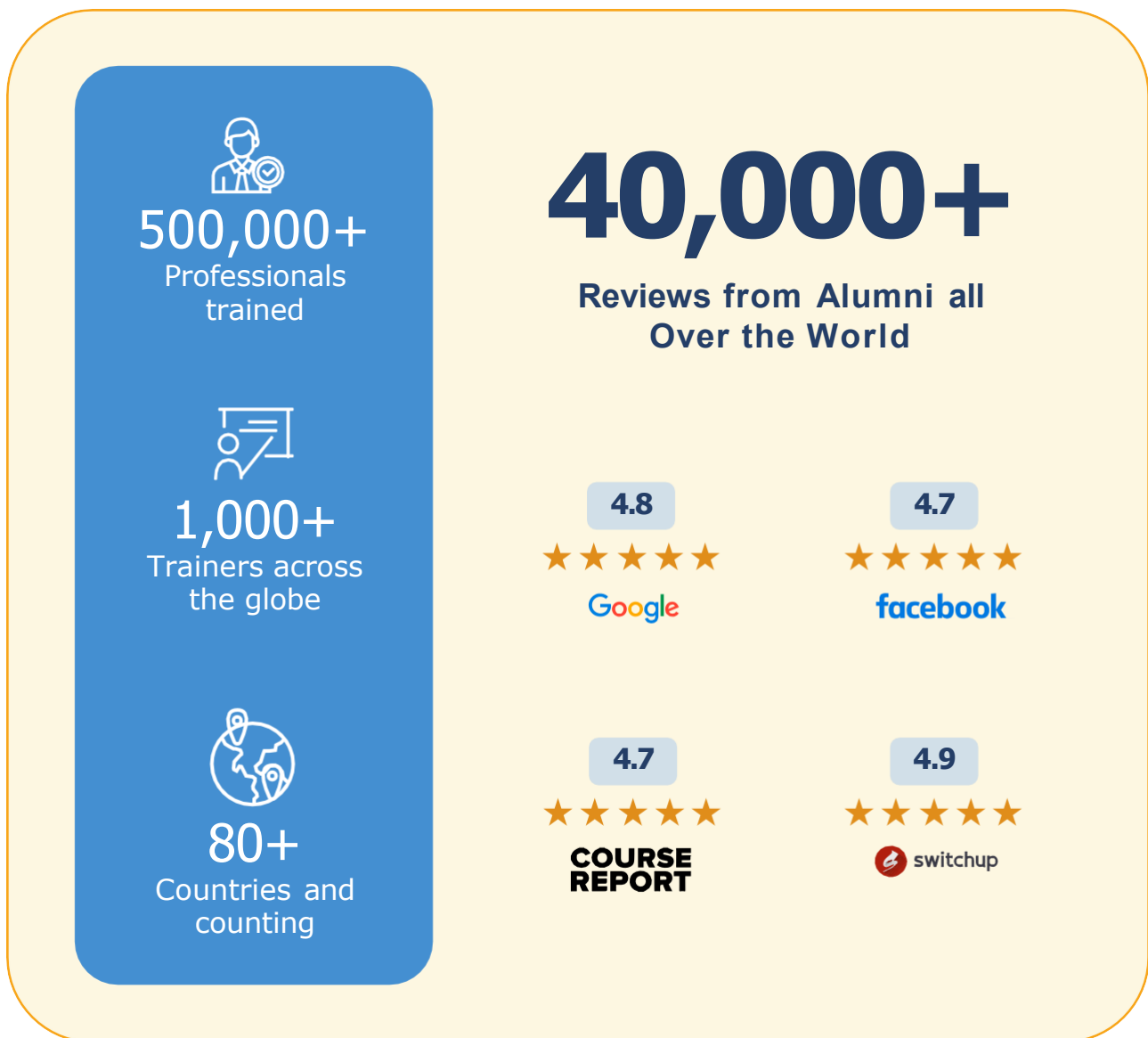
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# About Simplilearn:

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 transforming the digital world at a fraction of the cost and time of 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/lean-six-sigma-expert-masters-program>



# Program overview

The Lean Six Sigma Expert Program equips professionals with advanced quality management and process optimization competencies. Participants will gain in-depth knowledge of statistical tools, including Minitab, which is pivotal for effective data analysis. The curriculum emphasizes practical applications through hands-on projects, simulations, and case studies, ensuring learners can apply theoretical concepts to real-world scenarios.

Moreover, this program prepares participants for globally recognized certifications, such as the Lean Six Sigma Green and Black Belt, accredited by the International Association for Six Sigma Certification (IASSC). By completing this program, professionals enhance their qualifications and position themselves as valuable assets in a competitive job market.

The Lean Six Sigma Program also ensures you have the support you need for long-term success. With extensive training that includes live sessions and on-demand content, you'll have flexibility and access to comprehensive resources. Plus, you'll enjoy lifetime access to course materials to help you stay on top of your game and advance your career.



# Why be a Lean Six Sigma expert?

Forty percent of the managers in top companies are Lean certified, and Lean Six Sigma Experts earn 40 percent more than their non-certified peers. Lean Six Sigma Experts generally have the following profiles: Quality supervisor, Quality manager, Quality engineer, Quality director and Lean Six Sigma expert. You'll learn how to apply Lean Six Sigma tools, techniques, and concepts to improve efficiency, reduce waste, increase throughput, and standardize complex business and technical processes in your organization.

## Program Features



Real-world experience with 13 projects and 12 simulations



Enjoy unlimited access to live and on-demand course materials



Access 18 Harvard Business case studies tailored for Lean Six Sigma



Master statistical tools like Minitab for precise data analysis



Earn 114+ PDUs for continual learning and career advancement





# Demand for Project Managers:

Lean Six Sigma Green and Black Belt certifications are highly sought after in industries such as manufacturing, healthcare, finance, and IT.



**\$125,000**

## IT professionals salary

IT professionals with Lean Six Sigma certifications earn between \$90,000 and \$125,000 annually, reflecting their specialized skills (source: Salary.com and Glassdoor).



**12%** ↗

## job listings

The demand for Lean Six Sigma Black Belts is robust, with job listings showing a 12% increase over the past year (source: LinkedIn Jobs).



**8-10%**

## growth rate in job

According to PayScale, Lean Six Sigma Green Belts are in high demand, with a reported growth rate in job listings for these roles of about 8-10% annually.



**\$130,000**

## expect salaries

Black Belts can expect salaries ranging from \$90,000 to \$130,000 annually, depending on location and industry (source: Salary.com and Glassdoor).



**88 million**

## project management professionals

The use of Lean Six Sigma in healthcare is growing rapidly, with a reported 20% increase in job postings for specialized roles over the past year (source: Bureau of Labor Statistics).



**5-10%** ↗

## salary increase

Professionals with Minitab skills typically see a 5-10% salary increase compared to those without (source: LinkedIn Salary and PayScale)



**\$90,000**

## annually in the U.S.

As of 2024, Green Belt professionals earn an average salary between \$70,000 and \$90,000 annually in the U.S., depending on experience and industry (source: Glassdoor and PayScale).



**\$110,000**

## senior black belt

Master's Certificate in Lean Six Sigma signifies advanced proficiency and often leads to higher-level positions such as Senior Black Belt or Quality Director, with salaries typically exceeding \$110,000 annually

# Delivery Mode:

- ✓ Live Instructor-Led Training: Engage in real-time learning with experienced trainers.
- ✓ On-Demand Modules: Access recorded sessions and materials at your convenience.

## Prerequisites

- ✓ High school or Secondary school diploma or global equivalent for taking the course
- ✓ For eligibility on each exam, please check with the governing body.

## Who is this course for?

- |                              |   |
|------------------------------|---|
| ✓ Project Team Members       | ✓ Resource Manager                                  |
| ✓ Associate Project Managers | ✓ Stakeholder Manager                               |
| ✓ Project Coordinators       | ✓ Risk Manager                                      |
| ✓ Project Managers           | ✓ Business Analysts                                 |
| ✓ Quality Assurance Manager  | ✓ Product Managers                                  |
| ✓ Team Leaders               | ✓ Any professional aspiring to be a project manager |
| ✓ Scrum Master               |   |

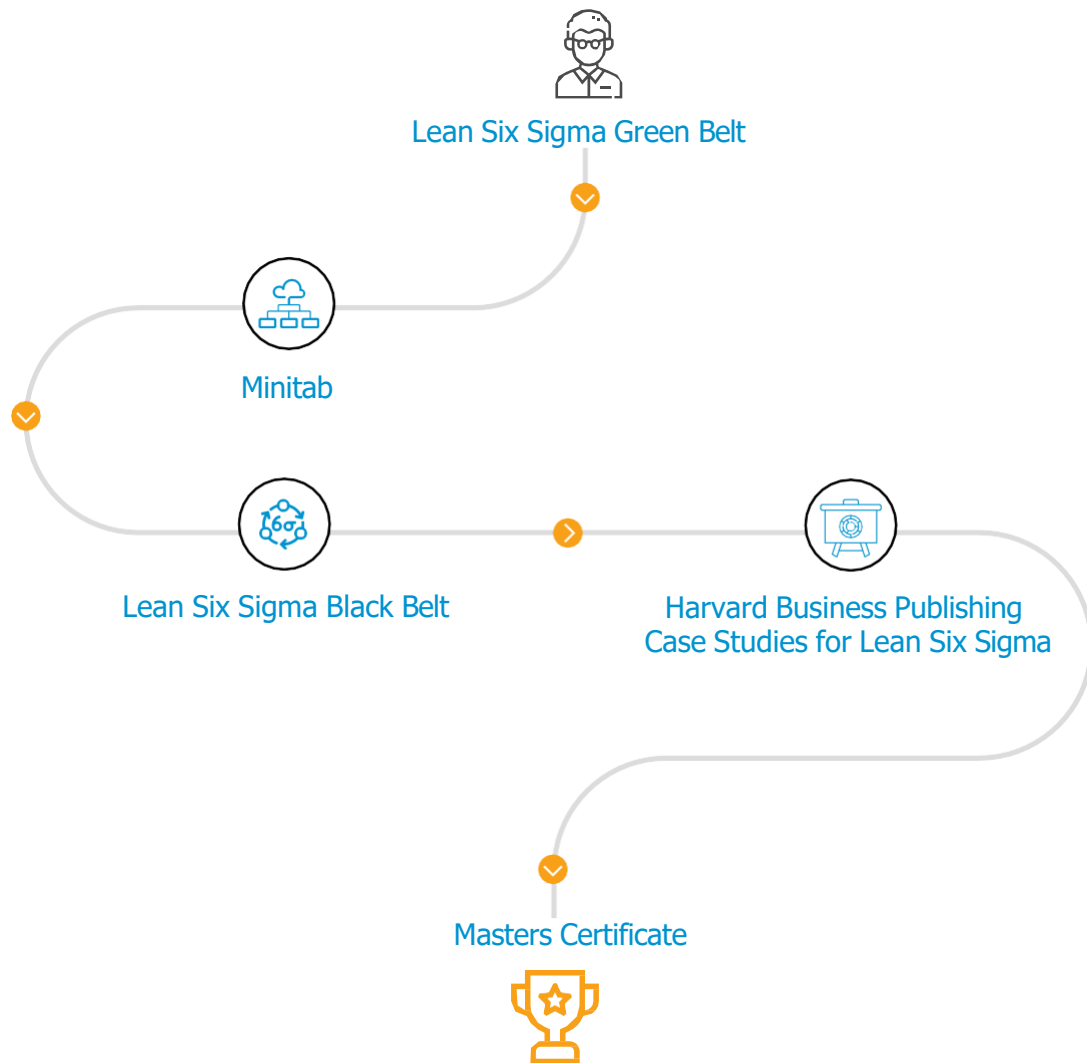
# Key Learning Outcomes:

- ✓ Gain proficiency in the DMAIC framework for process improvement.
- ✓ Master statistical tools like Minitab for data analysis.
- ✓ Develop techniques for waste reduction and process optimization.
- ✓ Implement Lean Six Sigma methodologies in real-world scenarios.
- ✓ Achieve certification and earn 114+ PDUs for professional growth.
- ✓ Master resource allocation, leadership, and team management techniques.
- ✓ Enhance your ability to forecast and address potential project challenges.
- ✓ Master the tools and techniques for managing the entire project lifecycle from start to finish.





# Learning Path Visualization



## Electives:

- ✓ Course 1 - Lean Management
- ✓ Course 2 - Lean Six Sigma in Healthcare
- ✓ Course 3 - Lean Six Sigma Application in Information Technology

## Lean Six Sigma Green Belt - LVC, 35 PDUs

Designed to align with the leading Green Belt standard set by the globally recognized accreditation body, IASSC, this Lean Six Sigma Green Belt Certification Course offers a complete introduction to Six Sigma and DMAIC methodology, how to measure company performance, identify issues and offer solutions using real-world examples.

### Key Learning Objectives:

- ✓ Perform data analysis and hypothesis testing in the Analyze phase
- ✓ Define efficient operating levels for inputs and outputs in the Control phase
- ✓ Identify possible improvement actions for the performance of variations in the Improve phase
- ✓ Use DFSS tools such as Quality Function Deployment (QFD), Failure Mode and Effects Analysis (FMEA) and Risk Priority Number (RPN)

### Course Curriculum - Live Class Learning

- ✓ Lesson 1: Six Sigma and Organizational Goals
- ✓ Lesson 2: Define Phase
- ✓ Lesson 3: Measure Phase
- ✓ Lesson 4: Analyze Phase
- ✓ Lesson 5: Improve Phase
- ✓ Lesson 6: Control Phase

## Minitab® - OSL, 4PDUs

This course ensures that you learn the practical applications of the latest version of the statistical tool, Minitab® 17 and excel at the tools used by both Lean Six Sigma Green Belt and Black Belt professionals. The course covers 9 case studies in Healthcare, IT and IT Services, and Manufacturing, and each case study describes a problem and its solution using Minitab® 17.

### Key Learning Objectives

- ✓ Process key statistical data operations using Minitab
- ✓ Export data to various MS Office applications
- ✓ Understand and apply various statistical tools in multiple quality projects
- ✓ Understand and remove common pitfalls in data analysis
- ✓ Master all statistical tools/topics needed for Green and Black Belt projects

### Course Curriculum

- ✓ Lesson 1: Course Introduction
- ✓ Lesson 2: Introduction to Minitab
- ✓ Lesson 3: Graphical Analysis
- ✓ Lesson 4: Control Charts
- ✓ Lesson 5: Measurement System Analysis
- ✓ Lesson 6: Process Capability
- ✓ Lesson 7: Hypothesis Testing
- ✓ Lesson 8: Hypothesis Testing: Nonparametric
- ✓ Lesson 9: Correlation and Regression
- ✓ Lesson 10: Analysis of Variance
- ✓ Lesson 11: Design of Experiments

## Lean Six Sigma Black Belt - LVC, 35 PDUs

This Lean Six Sigma Black Belt certification will equip participants with advanced skills and knowledge in process improvement methodologies. Building upon the foundation laid in Green Belt training, this course provides in-depth training in statistical analysis, project management, leadership, and strategic alignment.

### Key Learning Objectives

- ✓ Effectively manage team dynamics and understand how to work with multiple levels
- ✓ of leadership to remove barriers and achieve project success
- ✓ Close projects and hand over control to process owners
- ✓ Present projects to instructors, peers, and managers

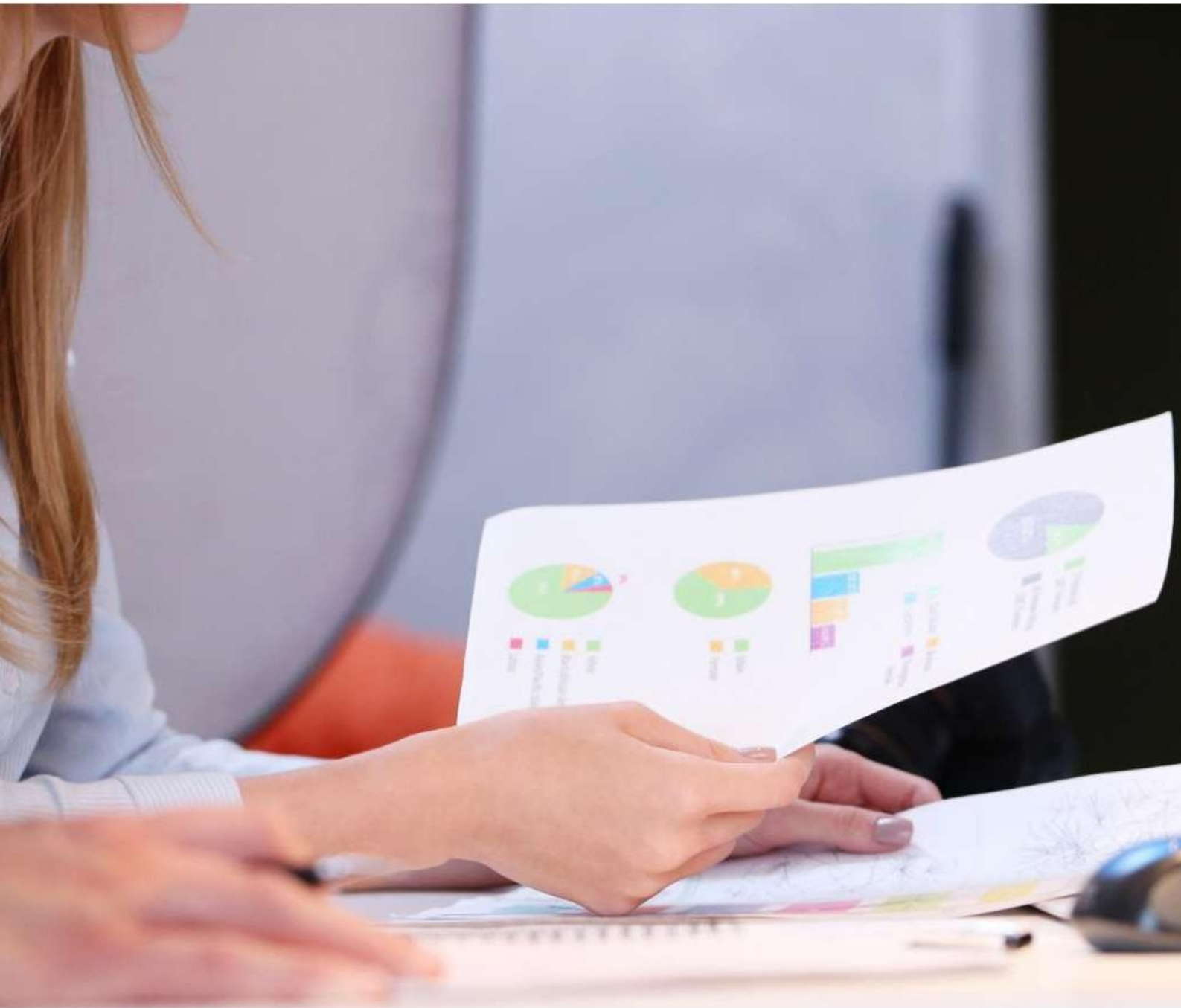
### Course Curriculum

- ✓ Lesson 1: Course Introduction
- ✓ Lesson 2: Define Phase
- ✓ Lesson 3: Measure Phase
- ✓ Lesson 4: Analyze Phase
- ✓ Lesson 5: Improve Phase
- ✓ Lesson 6: Control Phase

# STEP 4

## Harvard Business Publishing Case Studies for Lean Six Sigma - LVC

Learn Lean Six Sigma concepts with the help of real-world case studies authored by HBS professors and other top business school educators. These case studies will help you analyze business situations and different aspects of managerial decision-making to help you solve business problems.





# Electives



## Lean Management - OSL, 20 PDUs

This course focuses on the principles of Lean thinking to optimize processes and eliminate waste. Participants will engage in practical exercises to apply Lean tools effectively in various organizational contexts.



## Lean Six Sigma in Healthcare - OSL, 4 PDUs

This elective emphasizes the integration of Lean and Six Sigma methodologies to improve patient care and operational efficiency in healthcare settings. Students will analyze case studies to identify best practices and develop strategies for implementation.



## Lean Six Sigma Application in Information Technology - OSL, 16 PDUs

The course applies Lean Six Sigma principles to enhance IT service delivery and project management. Participants will learn to identify inefficiencies in IT processes and implement data-driven solutions for continuous improvement.

# Certificate



# Get trained by the best!



## **Amol Swaroop**

Founder & CEO - Omnilearn

Results-driven and organized professional with over a decade of experience in operations, supply chain/logistics, Lean Six Sigma, Project Management, Aviation, consulting and education management.



# Success Stories:



**Preeti Lokare**

I was able to accomplish my desired career goals after taking up the Lean six sigma expert program. The course content is well-designed and the customer support team is quick when it comes to resolving any queries promptly. I would say that Simplilearn is one of the best institutions to enhance your career-oriented skill sets.



**Abdus Salam**

Completing Simplilearn's Lean Six Sigma Expert Master's Program empowered me to excel in new projects, enhancing my performance significantly. Consequently, my research position's average pay rate surged by 21%.



**Anjali Dhir**

I have been a customer service representative for most of my career, but my curiosity led me to explore the technical side of our work. Encouraged by my manager, I took a Lean Six Sigma Expert course with Simplilearn. The experience was excellent, and the certification enabled me to switch fields and achieve a 60% salary hike.



**Archana Ramakrishna**

I highly endorse SimpliLearn for Lean Six Sigma training. Their live classes are impeccably coordinated, and the provided course material and toolkit are invaluable. I'm confident in recommending Simplilearn to friends seeking to become Lean Six Sigma experts.



**Krishnakumar Kuppusamy**

Attending Simplilearn was a remarkable journey, enriched by seasoned faculty. The course equipped me with ample expertise and assurance. When considering certifications, Simplilearn is the ultimate destination. Become a Lean Six Sigma expert with Simplilearn!



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