

Lean Six Sigma Green Belt

eLearning Certification



Building a better
working world

About Lean Six Sigma

Businesses today are undergoing radical restructuring as they meet the challenge of improving performance in a world of unprecedented complexity and opportunity. They are required to balance the increasing needs for agility and responsiveness against those for driving down costs and improving cash. Six Sigma is one of the most effective tools to achieve this desired state.



What is Lean Management?

The Lean concept is defined as the elimination of activities performed in the production process or service rendering that do not add value to the final product or service. The Lean Management methodology delivers tools necessary to eliminate process waste and to exploit the constraints identified.



What is Six Sigma?

Six Sigma is a structured, data-driven methodology of improving the different processes of an organization to such an extent where it can reduce the defects to only 3.4 per 1 million opportunities. It ensures process stability and perfects processes and activities that add value. Its ability to deliver tangible as well as intangible results is driving its adoption by businesses across the world as part of their operational processes.

Six Sigma professionals are some of the most sought-after individuals because of the value they bring in and their ability to significantly improve the processes and make a positive impact on the organizational goals.



Program objective

The objective of EY's 35 Hour Lean Six Sigma Green Belt training is to make the participants well versed with the concepts of Six Sigma and equip them with the knowledge of various tools – statistical as well as non-statistical – used within the framework of Lean and Six Sigma.

Participants will be exposed to some of the key Lean tools and 7 kinds of waste and value-stream mapping. The training will help individuals to prepare and get ready to take up big, complex industry issues and opportunities to deliver outcomes that help grow, optimize and protect businesses. They will be able to gather real world skills and experience with our live, hands-on training to support their organizations in increasing sales, becoming more cost- competitive, reducing risk and enhancing operational resilience.

This course will provide participants the necessary information required to lead and run Lean and Six Sigma projects with their respective work areas.



Who should attend?

This course is suited for people working in any domain who are involved in improvement initiatives or lead the delivery function, operations or support groups and are looking forward to improve their efficiency.

The structure of the course enables individuals working at any level in an organization to learn and understand the concepts effectively.

Some of the profiles for which this training is considered extremely relevant are:

- ▶ Quality control professionals
- ▶ Service Delivery professionals
- ▶ Teamleaders
- ▶ Process improvement professionals
- ▶ Project managers
- ▶ Quality control professionals
- ▶ Front and factory supervisor
- ▶ Management professionals
- ▶ Engineers
- ▶ Functional managers such as HR, IT and finance
- ▶ Business analyst



Potential program benefits

The program covers the requirements of Lean Six Sigma methodology and its application for real-world problems or process improvement. Participants may be able to

- ▶ Develop an orientation to take business decisions based on facts and data
- ▶ Develop acumen to save cost and time across business operations
- ▶ Identify areas where improvements can be made and suggest ways to improve the same
- ▶ Sharpen business acumen to improving work process at all levels
- ▶ Learn tools to improve processes impacting finance, customer satisfaction
- ▶ Design ways to reduce wastage and errors in processes
- ▶ Develop acumen to problem solving through scientific methods
- ▶ Understand how to best apply and benefit from DMAIC methodology of Lean Six Sigma
- ▶ Enhance potential career opportunities

Program Deliverables

- ▶ 35 hours of learning through recorded videos
- ▶ 6 months of LMS access
- ▶ Presentation and other relevant material
- ▶ Post training query support for 3 months
- ▶ Assessment

Why EY

The training is delivered by EY professionals and industry experts with in-depth knowledge and experience in implementing Lean Management, Lean Manufacturing, Lean Supply Chain, Six Sigma, the Theory of Constraints, and world-class manufacturing into production processes and supply chains among others.

The trainers include Certified Six Sigma Green Belt professionals with extensive training experience. Their training methodology ensures that the concepts are relevant for and understood by fresh graduates and experienced professionals alike, irrespective of their domains.



Our approach

Include

EY has designed live projects, which are carried out during the training tenure to better clarify the concepts and help participants apply them under the supervision of experienced professionals.

Develop

Participants develop solutions, recommendations and target models as part of a model case.

Engage

Participants would be involved at all levels of the training to ensure the concepts are clear through practice with a focus on practical application.



EY Learning Management System

Six Sigma Lean Green Belt e certification program is accessible on EY LMS. EY Learning Management System (EY LMS) is a robust E-Learning platform that enables participant to access rich content anytime, anywhere. The content is accessible across browsers and is compatible with various device type. EY LMS hosts courses that are developed by experienced professionals and are followed by Assessments which tests the learning of the participants



Course Videos



Presentations



Query Management
through "Ask EY"



Assessments



Accessible through
Mobile and Tablets



Program fee

INR 8,000 + applicable taxes



Assessment and certification

- ▶ Assessment would be based on MCQ's and Project submission.
- ▶ Participant needs to achieve a minimum score of 50% to pass the exam.
- ▶ All participants who meet the above criteria would be awarded a certificate of completion

About EY Learning Solutions

In today's testing business environment, with organizational transformation and regulatory change constant features, a flexible and cost-effective workforce is critical. High-quality training is a crucial element of innovative talent management, to improve performance and ensure your teams can respond to today's challenges, and are equipped for career success.

We, at EY FAAS, realized this need and accordingly we have set up a dedicated "Learning Solution" practice to help corporate and practicing professionals to deal with new requirements. FAAS Learning Solutions supplements EY's primary range of services and provides business-specific training solutions for our clients and business communities throughout India, Europe, the Middle East and Africa.

This is done with the help of a multidisciplinary team of trainers from around the world. As a globally integrated firm, we bring global insight to our training programs. All training programs are regularly updated to reflect changing trends and guidance. Our practical, relevant and stimulating courses are facilitated by highly competent trainers who have first-hand knowledge of the subject matter.

We recognize that each client will have a different history, size, location and sector; therefore, programs can be tailored to the specific needs of your business.

Agenda



High Level Agenda	Topic Include
Six Sigma Overview & Project Initiation	<ul style="list-style-type: none">▶ Quality & It's evolution▶ Various Process Improvement methodologies▶ Six Sigma Overview▶ DMAIC Overview▶ Initiating the Project▶ Define Phase - Tools & Techniques
Measurement of Existing Process	<ul style="list-style-type: none">▶ Types of Data▶ Understanding Data▶ Data Visualization▶ Process Capability▶ Sampling Techniques▶ Measurement System Analysis"
Ascertaining Vital Causes	<ul style="list-style-type: none">▶ Various Quality Tools▶ Understanding Distributions▶ Hypothesis Testing▶ Identification of Causes▶ Brainstorming techniques▶ Generating Solutions▶ Lean Principles"
Improvement Quantification & Sustaining the benefits	<ul style="list-style-type: none">▶ Waste Identification▶ Value Analysis through Value Stream Mapping▶ Design of Experiment▶ Solutions Assesment techniques▶ Risk Mitigation Techniques▶ Improvement Validation▶ Sustaience Plan▶ Establishing Process Controls"

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About EY

EY is a global leader in assurance, tax, transaction and advisory services. The insights and quality services we deliver help build trust and confidence in the capital markets and in economies the world over. We develop outstanding leaders who team to deliver on our promises to all of our stakeholders.

In so doing, we play a critical role in building a better working world for our people, for our clients and for our communities.

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