

Certificate in Lean Six Sigma Green Belt

[eLearning]



Building a better
working world



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About the course

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.

The need of Lean Six Sigma Green Belt

The objective of EY's 21 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 take this course?

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
- ▶ Team Leaders
- ▶ Process Improvement and Quality control professionals
- ▶ Project Managers and Business Analyst
- ▶ Engineers and Front and factory supervisor
- ▶ Functional managers such as HR, IT and Finance



Course coverage

Six Sigma Overview & Project Initiation:

- ▶ Quality & It's evolution
- ▶ Various Process Improvement methodologies
- ▶ Six Sigma Overview
- ▶ DMAIC Overview
- ▶ Initiating the Project
- ▶ Define Phase - Tools & Techniques

Measurement of Existing Process

- ▶ Types of Data
- ▶ Understanding Data
- ▶ Data Visualization
- ▶ Process Capability
- ▶ Sampling Techniques
- ▶ Measurement System Analysis

Ascertaining Vital Causes

- ▶ Various Quality Tools
- ▶ Understanding Distributions
- ▶ Hypothesis Testing
- ▶ Identification of Causes
- ▶ Brainstorming techniques
- ▶ Generating Solutions
- ▶ Lean Principles

Improvement Quantification & Sustaining the benefits

- ▶ Waste Identification
- ▶ Value Analysis through Value Stream Mapping
- ▶ Design of Experiment
- ▶ Solutions Assessment techniques
- ▶ Risk Mitigation Techniques
- ▶ Improvement Validation
- ▶ Sustenance Plan
- ▶ Establishing Process Controls

Benefits of the course

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



Course deliverables

- ▶ 21 hours of learning videos
- ▶ Presentations
- ▶ Online Assessment
- ▶ Certificate of Completion
- ▶ Query support through email
- ▶ Six months of LMS access

Assessment and Certification

EY will award "Certificate of Completion" to participants at the end of the program.

- ▶ Assessment would be based on MCQ's
- ▶ 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

Contact

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Our other eLearning courses

- ▶ Certificate in IFRS
- ▶ Certificate in Exploratory Analytics in Python
- ▶ Certificate in Finance for Non-Finance Managers
- ▶ Certificate in Business Intelligence using Power BI
- ▶ Certificate in Blockchain Technology
- ▶ Certificate in Data Visualization Using Tableau
- ▶ Certificate in Financial Modelling and Valuation
- ▶ Certificate in Advance Analytics using R
- ▶ Certificate in Ind-AS
- ▶ Certificate in Artificial Intelligence and Machine Learning in Python
- ▶ Certificate in Predictive Analytics in Python



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 that your teams can respond to today's challenges and are equipped for career success.

We, at EYFAAS, 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 provide 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 specific needs of your business.

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