

Certificate in Lean Six Sigma Green Belt

[eLearning]



Shape the future
with confidence



Certificate in Lean Six Sigma Green Belt

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 comprehensive learning videos and content
- ▶ 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

For more information contact:

Shweta Manchanda

E: Shweta.manchanda@in.ey.com

M: + 91 98116 38456

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.

For details contact

Anand Akhouri
Director
Email: anand.akhouri@in.ey.com

Neha Tuteja
Sr. Manager
Email: neha.tuteja@in.ey.com

Our offices

Ahmedabad

22nd Floor, B Wing, Privilon,
Ambli BRT Road, Behind Iskcon
Temple, Off SG Highway,
Ahmedabad - 380 015
Tel: + 91 79 6608 3800

Bengaluru

6th, 12th & 13th floor
"UB City", Canberra Block
No.24 Vittal Mallya Road
Bengaluru - 560 001
Tel: + 91 80 6727 5000

Ground Floor, 'A' wing
Divyasree Chambers
11, O'Shaughnessy Road
Langford Gardens
Bengaluru - 560 025
Tel: + 91 80 6727 5000

Chandigarh

Elante offices, Unit No. B-613 & 614
6th Floor, Plot No- 178-178A,
Industrial & Business Park, Phase-I,
Chandigarh - 160002
Tel: + 91 172 671 7800

Chennai

Tidel Park, 6th & 7th Floor
A Block, No.4, Rajiv Gandhi Salai
Taramani, Chennai - 600 113
Tel: + 91 44 6654 8100

Delhi NCR

Plot No. 67, Sector-44
Institutional Area,
Gurgaon - 122 003
Tel: + 91 124 443 4000

3rd & 6th Floor, Worldmark-1
IGI Airport Hospitality District
Aerocity, New Delhi - 110 037
Tel: + 91 11 4731 8000

4th & 5th Floor, Plot No 2B
Tower 2, Sector 126
NOIDA - 201 304
Gautam Budh Nagar, [U.P.](#)
[Tel:](#) + 91 120 671 7000

Hyderabad

THE SKYVIEW 10
18th Floor, "Zone A"
Survey No 83/1, Raidurgam
Hyderabad - 500032
Tel: + 91 40 6736 2000

Jamshedpur

1st Floor, Shantiniketan Building
Holding No. 1, SB Shop Area
Bistupur, Jamshedpur - 831 001
Tel: + 91 657 663 1000

Kochi

9th Floor, ABAD Nucleus
NH-49, Maradu PO
Kochi - 682 304
Tel: + 91 484 433 4000

Kolkata

22 Camac Street
3rd Floor, Block 'C'
Kolkata - 700 016
Tel: + 91 33 6615 3400

Mumbai

14th Floor, The Ruby
29 Senapati Bapat Marg
Dadar (W), Mumbai - 400 028
Tel: + 91 22 6192 0000

5th Floor, Block B-2
Nirlon Knowledge Park
Off. Western Express Highway
Goregaon (E)
Mumbai - 400 063
Tel: + 91 22 6192 0000

Pune

C-401, 4th floor
Panchshil Tech Park
Yerwada
(Near Don Bosco School)
Pune - 411 006
Tel: + 91 20 4912 6000



Ernst & Young Associates LLP

EY | Assurance | Tax | Transactions | Advisory

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.

EY refers to the global organization, and may refer to one or more, of the member firms of Ernst & Young Global Limited, each of which is a separate legal entity. Ernst & Young Global Limited, a UK company limited by guarantee, does not provide services to clients. For more information about our organization, please visit [ey.com](https://www.ey.com/en_in).

Ernst & Young Associates LLP is one of the Indian client serving member firms of EYGM Limited. For more information about our organization, please visit www.ey.com/en_in.

Ernst & Young Associates LLP, is a Limited Liability Partnership, registered under the Limited Liability Partnership Act, 2008 in India, having its registered office at 22 Camac Street, 3rd Floor, Block C, Kolkata - 700016

© 2024 Ernst & Young Associates LLP. Published in India.
All Rights Reserved.

EYIN1704-041
ED None

This publication contains information in summary form and is therefore intended for general guidance only. It is not intended to be a substitute for detailed research or the exercise of professional judgment. Neither EYGM Limited nor any other member of the global Ernst & Young organization can accept any responsibility for loss occasioned to any person acting or refraining from action as a result of any material in this publication. On any specific matter, reference should be made to the appropriate advisor.

AJ

