

# Certificate in Lean Six Sigma Green Belt

[eLearning]



Building a better  
working world



# 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

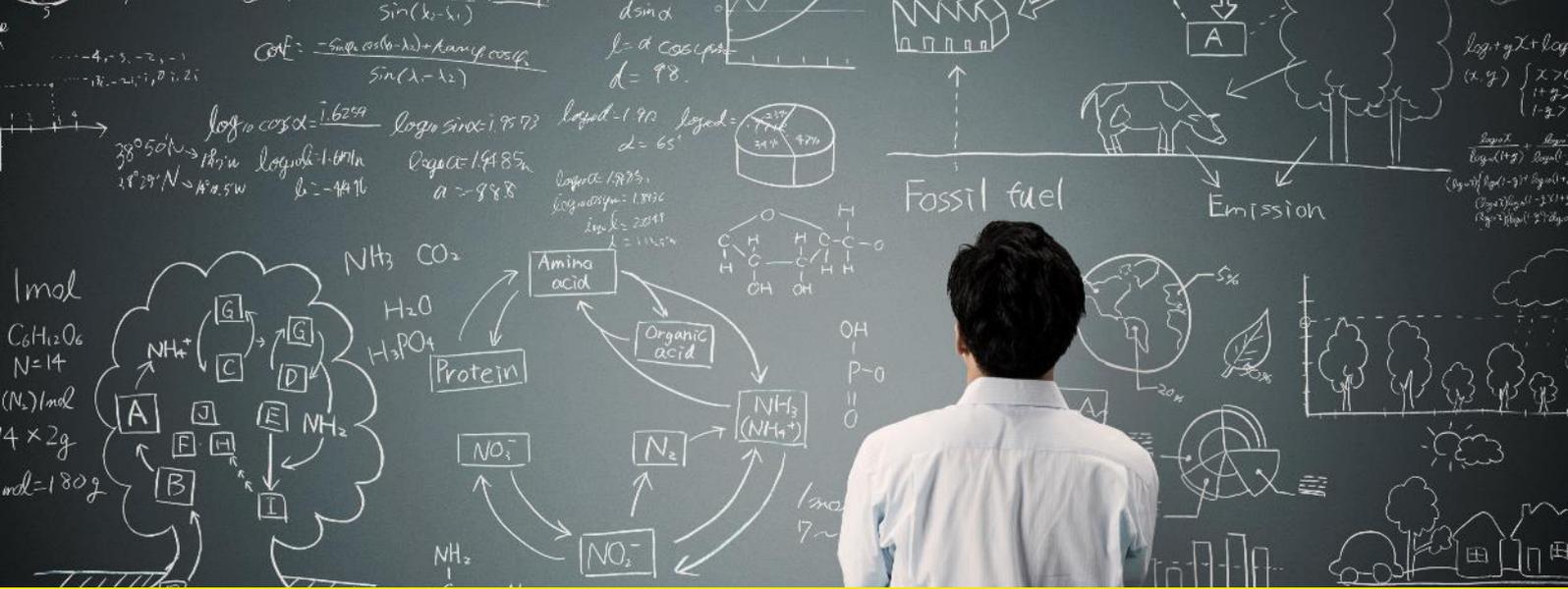
- ▶ Waste Identification
- ▶ Value Analysis through Value Stream Mapping
- ▶ Design of Experiment
- ▶ Solutions Assessment techniques
- ▶ Risk Mitigation Techniques
- ▶ Improvement Validation
- ▶ Sustenance Plan
- ▶ Establishing Process Controls

## 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 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 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

## Course fee

INR 8,000 plus taxes

## Contact

For more information contact:

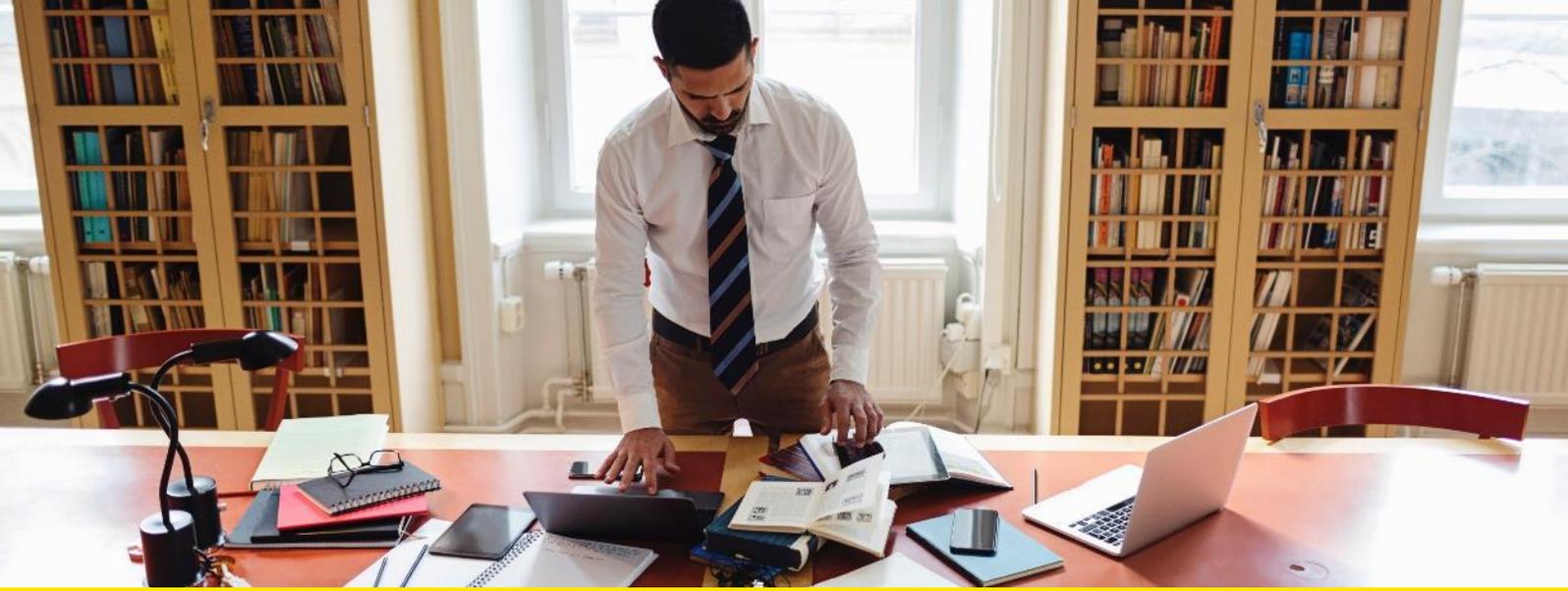
**Sugandha Sharma**

E: Sugandha.Sharma@in.ey.com

M: + 91 9899221891

## 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

**Furqan Warsi**  
Director  
Email: [furqan.warsi@in.ey.com](mailto:furqan.warsi@in.ey.com)

**Anand Akhouri**  
Senior Manager  
Email: [anand.akhouri@in.ey.com](mailto:anand.akhouri@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

Golf View Corporate Tower B  
Sector 42, Sector Road  
Gurgaon - 122 002  
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](http://ey.com).

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](http://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

© 2020 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

