

# Lean Six Sigma Green Belt eLearning (ILSSI)

Duration: 80 hours study time/ 6-month access / exam voucher ILSSI included

Our Lean Six Sigma Green Belt (LSSGB) online course provides participants with:

- an understanding of the various Six Sigma and Lean tools and techniques that will help them to improve the production process and minimize defects in the end product with a greater focus on the practical implementation of these tool and techniques in the organization
- the knowledge needed for production process improvement and for the adoption of the Lean Six Sigma methodology in their organizations
- the ability to identify, anticipate and work to resolve issues related to the practical implementation of Lean Six Sigma

This unique e-learning and certification package includes

- 51 lessons and 37 high-quality videos,
- 8 course materials and reference material with 30 exercises and quizzes
- a mobile application for learning and studying whenever and wherever you want
  - a progress monitoring system
- The ILSSI Lean Six Sigma Green Belt exam



## COURSE & LEARNING OBJECTIVES

At the end of this course, participants will have learned to:

- Identify project selection and evaluation criteria
- Plan and execute Six Sigma projects
- Form and effectively lead a Six Sigma project team
- Apply DMAIC (Define, Measure, Analyze, Improve, and Control) and various Six Sigma tools in process and quality improvement
- Assess and manage project risk
- Significantly increase profitability through Six Sigma projects
- Avoid pitfalls in implementing Six Sigma
- Integrate and enhance innovation and problem-solving skills

## COURSE CONTENTS

### Introduction to Lean Six Sigma

- History of quality (Deming, Juran, JIT, Ishikawa, Taguchi, and more.)
- Evolution of Six Sigma
- Definition Six Sigma - philosophy and objectives
- Overview of Six Sigma DMAIC process

### Stakeholders and how to set up a Lean Six Sigma Project

- Stakeholder requirements: identification and documentation
- Criteria for project selection
- Project planning
- How to manage team dynamics
- Project management and planning tools

### Lean Six Sigma Methodology - Define

- Inputs - Need for six sigma project, executive management sponsorship, core team identified
- Tools and outputs

### Lean Six Sigma Methodology - Measure

- Objectives of the Measure phase
- Inputs - the outputs of the Define phase
- Tools and outputs

#### **Lean Six Sigma Methodology - Analyze**

- Objectives of the Analyze phase
- Inputs - outputs of the Measure phase
- Tools and outputs

#### **Lean Six Sigma Methodology - Improve**

- Objectives of the Improve phase
- Inputs - outputs of the Analyze phase
- Tools and outputs

#### **Lean Six Sigma Methodology - Control**

- Objectives and inputs of the Control phase
- Tools and outputs

#### **Additional Lean Concepts**

- A Value Stream Map
- Lean is speed
- Total Supply Chain
- Lean Six Sigma Logistics

## **WHO SHOULD ATTEND?**

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This course and Green Belt certification level is designed for employees and organizations requiring a standardized approach to problem solving for the purpose of continuous improvement in Quality Management.

Roles include Quality System Managers, Supervisors, Operations Managers, Finance and Commercial Managers, and professionals who want to apply the methodologies and quality control process within an organization.

## **PRE-REQUISITES**

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There are no formal prerequisites to enroll for this online course. However, we would advice to have some working experience (2 years or more), be comfortable with statistics and have a passion for problem solving and attention for details.

## **CERTIFICATION EXAM**

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**The ILSSI (International Lean Six Sigma Institute) Green Belt exam** is included in this package, with the possibility of taking a second time free of charge.

The exam consists of 100 multiple-choice questions and each question only has one correct answer.

The test duration is 2 hours.

## **WHAT'S INCLUDED?**

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This unique eLearning & exam package includes:

- 37 videos
- 8 study guides
- 1 case study book with 30 exercices
- quizz questions
- progress tracking reports
- the ILSSI (International Six Sigma Institute) Green Belt exam with 1 resit
- access to the mobile app