Lean Six Sigma Green Belt eLearning (ILSSI)

Duration: 80 hours / 6 months access / ILSSI exam voucher included

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

• a comprehension of the diverse Six Sigma and Lean tools and techniques that will help them improve the production process and minimize the defects of the final product, with more emphasis on the practical implementation of these tools and techniques in the business

• the knowledge necessary for improving production processes and adopting the Lean Six Sigma methodology in their organizations

• the ability to identify, anticipate, and work to solve problems related to the practical implementation of Lean Six Sigma



This unique online learning and certification package includes:

• 51 high-quality lessons and 37 videos,

• 8 course materials and reference materials with 30 exercises as well as quizzes

• a mobile application to learn and study wherever and whenever you wish

• a progress tracking system in the study

• **The ILSSI Lean Six Sigma Green Belt exam**

NOTE: this eLearning module and the exam are only available in English!

COURSE & LEARNING OBJECTIVES

By 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
- Evaluate 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?

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

There are no formal prerequisites to enroll for this online course. However, we would advise 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

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?

This unique eLearning & exam package includes:

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