









Lean Six Sigma Green Belt (LSSGB)

Course designed to help you learn, transform performance and always stay in the forefront of trends in a continually evolving business world!

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Overview

Lean Six Sigma Green Belt (LSSGB) course focuses on providing students with an understanding of the various Six Sigma and Lean tools and techniques useful 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.

Students can benefit from this course by enabling themselves,

- With the knowledge needed for production process improvement in their organizations and to help their organizations adopt the Lean Six Sigma methodology.
- To identify, anticipate and work to resolve issues related to the practical implementation of Lean Six Sigma.
- With superior problem solving skills that can be immediately applied in real world projects.



Certification

Applicants will be awarded the Lean Six Sigma Green Belt (LSSGB) certificate by 6Sigmastudy upon successfully passing the certification exam, which is a 2 hour online multiple choice exam. Exams are administered by 6Sigmastudy and Need to schedule the exam in advance using the membership account or taken at a time convenient to you. The cost of exam is included in the course fee (2 free re-takes included)



Who should attend?

This course is highly recommended for employees and organizations requiring a standardized approach to problem solving for the purpose of continuous improvement in Quality Management.



Prerequisite

There is no formal prerequisite for this certification. However, it is recommended that the students undertake the FREE Six Sigma Yellow Belt (SSYB) Course to better understand the concepts required to be certified in Lean Six Sigma Green Belt (LSSGB) certification exam.



Expected Learning Outcomes

- 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



Syllabus

Introduction to Six Sigma

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

Stakeholders and Setting up a Six Sigma Project

- Identifying and documenting stakeholder requirements
- Project Selection Criteria
- Project Planning
- Managing Team Dynamics
- Important project management and planning tools

Six Sigma Methodology – Define

- Inputs – Need for six sigma project, executive management sponsorship, core team identified
- Tools
- Outputs

Six Sigma Methodology – Measure

- Objectives of Measure Phase
- Inputs – the outputs of the Define phase
- Tools
- Outputs

Six Sigma Methodology – Analyze

- Objectives of Analyze Phase
- Inputs – outputs of the Measure phase
- Tools
- Outputs

Six Sigma Methodology – Improve

- Objectives of Improve Phase
- Inputs – outputs of the Analyze phase
- Tools
- Outputs

Six Sigma Methodology – Control

- Objectives of Control Phase
- Inputs – outputs of the Improve Phase
- Tools
- Outputs

Lean:

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

Case Study Evaluation

About SwissKnowledge

SwissKnowledge is a brand of Swiss Expert Consulting GmbH, designed to deliver training and consulting services to individuals and corporate customers

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- Agile Master Certified (SAMC)
- Agile Scrum Master (ASM)

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- Project Management Professional
- PMI Risk Management Professional
- PRINCE2 Foundation & Practitioner
- MSP Foundation & Practitioner
- CBAP

QUALITY MANAGEMENT

- Six Sigma Green Belt (SSGB)
- Six Sigma Black Belt (SSBB)
- Lean Six Sigma Green Belt (LSSGB)
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