Lean Six Sigma Green Belt Blended Learning (IASSC®)

Duration: approx. 60 hours study time/ 365-day access /IASSC® exam voucher included

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Aligned with the International Association for Six Sigma Certification (IASSC™), this course integrates DMAIC methodology and lean with case studies to equip you with the skills required to facilitate an organization's growth**.**

Are you absent during virtual training sessions? No problem, you will receive the recordings of the sessions and you can watch them at your own pace!

A unique blended learning & Certification package including:

• 56 hours of applied learning: 16 hours of online self-paced learning to combine with 40 hours of Live Virtual Classes

• Online classes with a wide range of time slots

• Recording of virtual classes available in case of absence

• 4 real-life projects to practice the skills learnt

• 4 simulation test papers for self-assessment

• 24x7 learner assistance and support

• IASSC Lean Six Sigma Green Belt exam voucher

This module is in English. The exam is available in English or French.

Lean Six Sigma is aimed at professionals wishing **to understand and apply the Lean Six Sigma principles and instruments** in order to work effectively with, or as a member of, **a process improvement team**.

- **Improve Business Processes**: Lean Six Sigma is a data-driven approach to process improvement that can help organizations reduce waste, improve efficiency, and enhance overall performance.
- **Identify and address** process inefficiencies, which can lead to cost savings and increased productivity.
- **Develop Specific Skills**: These skills include project management, data analysis, and problem-solving, which are valuable in any business setting.

COURSE & LEARNING OBJECTIVES

At the end of this Six Sigma Green Belt training, you will be able to:

- Lead and implement Lean Six Sigma projects in your organization
- Identify an improvement in the Define phase of the project
- Define how to measure process and product in the Measure phase of the project
- Analyze data and test hypotheses in the Analyze phase of the project
- Identify possible improvement processes and actions based on the performance of variations in the Improve phase
- Increase operating efficiency in the Control phase of the project
- Become an expert in Design for Six Sigma (DFSS) tools such as Quality Function Deployment (QFD), Risk Priority Number (RPN), and Failure Mode and Effects Analysis (FMEA)

Course Curriculum

- **Module 00: Course Introduction**
- **Module 01: Six Sigma and Organizational Goals**
  - Lesson 1.0: Introduction to Six sigma and Organizational Goals
  - Lesson 1.1: Six sima and Organizational Goals
  - Lesson 1.2: Lean Principles in the Organization
  - Lesson 1.3: Design for Six Sigma (DFSS) Methodologies
  - Lesson 1.4: Summary to Six Sigma and the Organization

- **Module 02: Define Phase**
  - Lesson 2.0: Introduction to Define Phase
  - Lesson 2.1: Project Identification
  - Lesson 2.2: Voice of the Customer (VOC)
  - Lesson 2.3: Project Management Basics
  - Lesson 2.4: Management and Planning Tools (Apply)
  - Lesson 2.5: Business Results for Projects
  - Lesson 2.6: Team Dynamics and Performance
  - Lesson 2.7: Summary of Define Phase
  - Lesson 2.8: Project
- **Module 03: Measure Phase**
  - Lesson 3.0: Introduction to Measure Phase
  - Lesson 3.1: Process Analysis and Documentation (Create)
  - Lesson 3.2: Probability and Statistics
  - Lesson 3.3: Collecting and Summarizing Data
  - Lesson 3.4: Statistical Distributions (Understand)
  - Lesson 3.5: Measurement System analysis (MSA)(Evaluate)
  - Lesson 3.6: Process and Performance Capability
  - Lesson 3.7: Summary of Measure Phase
  - Lesson 3.8: Project
- **Module 04: Analyze Phase**
  - Lesson 4.0: Introduction to Analyze Phase
  - Lesson 4.1: Hypothesis Testing
  - Lesson 4.2: Exploratory Data Analysis
  - Lesson 4.3: Summary of Analyze Phase
  - Lesson 4.4: Project
- **Module 05: Improve Phase**
  - Lesson 5.0: Introduction to Improve Phase
  - Lesson 5.1: Design of Experiments (DOE)
  - Lesson 5.2: Root Cause analysis (Analyze)
  - Lesson 5.3: Lean Tools Preview
  - Lesson 5.4: Selecting a Solution
  - Lesson 5.5: Summary of Improve Phase
  - Lesson 5.6: Project
- **Module 06: Control Phase**
  - Lesson 6.0: Introduction to Control Phase
  - Lesson 6.1: Statistical Process Control (SPC)
  - Lesson 6.2: Control Plan (Apply)
  - Lesson 6.3: Lean Tools for Process Control
  - Lesson 6.4: Summary of Control Phase
  - Lesson 6.5: Project
- **Practice Projects**

COMPLETION CRITERIA

- **Online Classroom**:
  - Attend one complete batch
  - Complete one simulation test with a minimum score of 60 percent
- **Online Self-Learning:**
  - Complete 85 percent of the course
  - Complete one simulation test with a minimum score of 60 percent

WHO SHOULD ATTEND?

Professionals in quality management fields will benefit from this program, such as:

- Quality System Managers
- Quality Engineers
- Quality Supervisors
- Quality Analysts, and Managers
- Quality Auditors
- Individuals who want to learn and practice Lean Six Sigma Principles

PREREQUISITES

Learners need to possess an undergraduate degree or a high school diploma.

ABOUT THE CERTIFICATION

- Official International Association for Six Sigma Certification (IASSC)/PeopleCert exam voucher
- Online proctoring exam any time, 7 days a week, 24 hours a day
- Exam available in English or French
- 3-hour multiple-choice
- 100 questions with a pass mark of 70 %
- Closed book exam
- Holders of Lean Six Sigma - IASSC® Certified Green Belt™ are required to be re-certified within 3 years from their original certification
- Rescheduling an exam up to 48 hours before the start time is free of charge. Subsequent rescheduling is subject to an additional fee

WHAT'S INCLUDED?

This package includes:

- High quality self-paced learning content with video tutorials
- To combine with 40 hours of Live Virtual Classes
- 4 real-life projects to practice the skills learnt
- 4 simulation test papers for self-assessment
- 24x7 learner assistance and support
- **IASSC Lean Six Sigma Green Belt exam voucher**