



Consulting and Training | Reach New Heights

Course Name

PECB Certified Six Sigma Green Belt

Sector Name

Internationally Certified Training Programs

Document Type

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PECB Certified Six Sigma Green Belt

Course Introduction

The PECB Certified Six Sigma Green Belt course is a professional training program designed to help learners develop practical skills in process improvement, quality management, and operational efficiency using the globally recognized Six Sigma methodology.

This course focuses on the principles of Lean Six Sigma, combining waste reduction techniques with data-driven quality improvement methods to optimize business performance. Participants will learn how organizations improve productivity, reduce defects, and enhance customer satisfaction through structured process management approaches.

A key component of the course is the DMAIC methodology:

- ✓ Define
- ✓ Measure
- ✓ Analyze
- ✓ Improve
- ✓ Control

Learners will understand how to apply DMAIC to identify process inefficiencies, analyze root causes, implement improvements, and maintain long-term operational control.

The program also covers important Six Sigma tools and techniques such as process mapping, root cause analysis, statistical process

control, performance measurement, risk analysis, and continuous improvement frameworks. Participants will gain practical knowledge of how to improve operational performance using measurable data and quality management practices.

In addition, the course explores Lean principles, waste elimination strategies, team collaboration, and project management techniques used in process improvement initiatives across industries including manufacturing, healthcare, IT, logistics, finance, and business operations.

This course is ideal for quality professionals, operations managers, process improvement specialists, project managers, and individuals seeking to strengthen analytical and operational management skills.

By completing this course, learners will gain the expertise needed to support organizational efficiency, improve business processes, reduce operational costs, and contribute to continuous improvement initiatives while preparing for the PECB Six Sigma Green Belt certification exam.

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Target Audience

- ✓ Managers or consultants involved with and committed to process improvements
- ✓ Individuals seeking to improve business, production, or service processes
- ✓ Six Sigma project team leaders and/ or team members
- ✓ Expert advisors seeking to master the implementation of Six Sigma projects

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Learning Objectives

- ✓ Learn the fundamental principles of process improvement
- ✓ Manage projects using the familiar DMAIC methodology
- ✓ Leverage the GRES methodology for problem-solving
- ✓ Apply basic statistical analyses when appropriate to support improvement efforts
- ✓ Learn how to verify process improvements by using statistical and common-sense methods
- ✓ Facilitate Green Belt process improvement projects
- ✓ Learn how to shift processes, reduce variation, stabilize processes, and improve their capabilities

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Course Outline

✓ **01 Day One**

Introduction to Six Sigma Green Belt and Define:

- ✓ Course Objectives and Structure
- ✓ Course Overview
- ✓ Introduction to Six Sigma Green Belt Training
- ✓ Project Stakeholders
- ✓ D1 Project Selection
- ✓ D2 Scope Projects
- ✓ D3 Develop Charter

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Course Outline

✓ 02 Day Two

Detailed Process Maps

- ✓ Data Analysis
- ✓ Data Management Plans
- ✓ Algebra Review & Summary Statistics
- ✓ Graphical Displays
- ✓ Time-Based Displays

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Course Outline

✓ **03 Day Three**

Value Add Analysis

- ✓ Stratification Analysis
- ✓ Root Cause Analysis

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Course Outline

✓ **04 Day Four**

Improve and Control:

- ✓ I1 Process Improvement
- ✓ I2 Project Validation
- ✓ C1 Control Methods
- ✓ 2 Control Charts
- ✓ C3 Sustainability
- ✓ Six Sigma Green Belt Certification
- ✓ Closing the Training

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Course Outline

✓ 05 Day Five

Certification Exam

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Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
June 29, 2026	July 3, 2026	5 days	4250.00 \$	UAE , Dubai
Sept. 21, 2026	Sept. 25, 2026	5 days	4950.00 \$	Netherlands , Amsterdam
Nov. 30, 2026	Dec. 4, 2026	5 days	4250.00 \$	UAE , Abu Dhabi
April 4, 2027	April 8, 2027	5 days	4250.00 \$	KSA , Riyadh

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