€ TRAINING

ASQ Approved Lean Six Sigma Green Belt

2 - 6 September 2024
Milan (Italy)

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REF: A1442 DATE: 2 - 6 September 2024 Venue: Milan (Italy) - Fee: 5940 Euro

Introduction:

This program is designed to prepare participants for the certification exam only.

This training program is a comprehensive program designed to equip professionals with the skills and knowledge to improve business processes using Lean and Six Sigma methodologies. It empowers them to make data-driven decisions and drive significant organizational improvements.

Programm Objectives:

At the end of this program, participants will be able to:

- Understand and apply Lean Six Sigma principles and methodologies to various processes.

- Lead and manage Lean Six Sigma projects using the DMAIC framework.

- Collect, analyze, and interpret data to identify root causes of process issues.

- Develop and implement effective solutions to improve process performance.

- Sustain process improvements through effective control measures and continuous monitoring.

- Prepare for the certification exam.

Targeted Audience:

- Mid-level managers looking to enhance their process improvement skills.

- Quality assurance professionals aiming to implement Lean Six Sigma methodologies.

- Engineers and project managers seeking to optimize operational efficiencies.

- Professionals in manufacturing, healthcare, finance, and service industries.

- Individuals preparing for the ASQ Lean Six Sigma Green Belt certification exam.

Program Outlines:

Unit 1:

Introduction to Lean Six Sigma:

- Overview of Lean Six Sigma principles and methodologies.

- History and evolution of Lean and Six Sigma.

- Key benefits and applications in various industries.

- Roles and responsibilities in a Lean Six Sigma project.

- Introduction to DMAIC Define, Measure, Analyze, Improve, Control framework.

Unit 2:

Define Phase:

- Understanding project selection and scope.

- Defining problem statements and project objectives.

- Identifying key stakeholders and their requirements.

- Developing project charters and SIPOC Supplier, Input, Process, Output, Customer diagrams.

- Utilizing voice of the customer VOC techniques.

Unit 3:

Measure Phase:

- Introduction to process mapping and value stream mapping.

- Identifying and collecting relevant data.

- Understanding basic statistics and data types.

- Conducting measurement system analysis MSA.

- Calculating baseline performance metrics and process capability.

Unit 4:

Analyze Phase:

- Performing root cause analysis RCA techniques.

- Utilizing tools like Fishbone diagrams, 5 Whys, and Pareto analysis.

- Conducting hypothesis testing and statistical analysis.

- Identifying and prioritizing potential causes of problems.

- Confirming root causes with data-driven evidence.

Unit 5:

Improve and Control Phases:

- Developing and selecting improvement solutions.

- Conducting risk assessments and FMEA Failure Modes and Effects Analysis.

- Implementing solutions and managing change.

- Establishing control plans and standard operating procedures SOPs.

- Monitoring results and sustaining improvements with control charts and audits.

- Preparation for the certified exam.

Note: This program is designed to prepare participants for the certification exam only.