informatech



QUALITY AND PRODUCTIVITY | QP-002

Certified Six Sigma Yellow Belt

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Course content

Why Attend

This thought-provoking course uses the renowned Motorola methodology to identify and solve organizational problems. Targeting the yellow belt level, this course will provide participants with the knowledge and tools to identify improvement opportunities in their organizations, help kick off the Six Sigma methodology with their teams, and assess their organization's readiness to launch Six Sigma projects. Participants will learn the different phases of Define, Measure, Analyze, Improve, and Control (DMAIC) and how to build a project charter. Additionally, they will learn about quality tools and statistics to help them formulate problem statements and translate them into a measurable format.

The course will give participants the chance to practice the skills acquired through exercises and case studies. Group and individual presentations will also be conducted. Additionally, videos will be shown about real-life companies that have implemented the Six Sigma methodology.

By the end of the course, participants will be able to:

• Define and understand quality concepts and systems supporting Six Sigma

• Discover and discuss Six Sigma concepts and importance in business improvement and customer service

• Apply Six Sigma methodology (Define, Measure, Analyze, Improve, and Control (DMAIC))

• Examine the statistical background supporting Six Sigma projects

• Compare the various tools most used in Six Sigma projects

• Assess organization readiness to launch Six Sigma projects

Managers, supervisors and professionals who wish to understand Six Sigma, its use and how it relates to work and business improvement.

• Deploying Six Sigma

• Problem solving skills

• Critical thinking skills

• Using applied statistics

• Change management techniques



Course content

Course outline

Introduction to Quality

- Definition of quality
- History of quality
- Benefits of quality systems
- Meet the ISO 9000 family
- Cost of poor quality
- Evolution of quality management
- Quality management principles and Six Sigma
- Quality maturity ladder

Definitions of Six Sigma

- Definition of Six Sigma and the meaning of Sigma
- History of Six Sigma
- Benefits of Six Sigma for organizations
- Savings from Six Sigma
- Six Sigma as an improvement strategy
- Six Sigma in customer service
- Translating the Voice of Customer (VOC) to Critical to Quality (CTQ)
- Quality function deployment

Implementing Six Sigma

- The methodology
- The DMAIC stages (Define, Measure, Analyze, Improve and Control)



Course content

Course outline

- Project selection
- Problem statement write-up
- Roles of green belts and black belts
- Six Sigma and Lean

Statistical Analysis in Six Sigma

- Sigma as a metric for quality
- Sources of variation in operations
- Calculation of process capability and Sigma level
- The commute example
- Software to support analysis

Problem-solving Tools in Six Sigma

- Six Sigma toolbox
- Histogram
- Run charts
- Control charts
- Scatter diagrams
- Pareto charts
- Cause and effect diagrams
- Why-why and how-how diagrams
- Process mapping
- The turtle diagram



Course content

Course outline

Deployment of Six Sigma

- Guidelines for selecting Six Sigma projects
- Characteristics of a successful Six Sigma project
- Leadership and employee involvement
- Corporate commitment: 10 questions for leaders



Seminar dates

Available seminar dates

Live dates and pricing for Certified Six Sigma Yellow Belt generated from the course details page.

Date	Location	Format	Fee
14 - 18 December 2026	Barcelona - Spain	Classroom	**€3,080.-**
18 - 22 January 2027	London - U.K	Classroom	**€3,360.-**
15 - 19 February 2027	Frankfurt - Germany	Classroom	**€2,600.-**
15 - 19 March 2027	Barcelona - Spain	Classroom	**€3,080.-**
19 - 23 April 2027	Frankfurt - Germany	Classroom	**€2,600.-**
17 - 21 May 2027	Rome - Italy	Classroom	**€3,400.-**
21 - 25 June 2027	Kuala lumpur - Malaysia	Classroom	**€1,800.-**
19 - 23 July 2027	Barcelona - Spain	Classroom	**€3,080.-**
16 - 20 August 2027	London - U.K	Classroom	**€3,360.-**
20 - 24 September 2027	Frankfurt - Germany	Classroom	**€2,600.-**
18 - 22 October 2027	Barcelona - Spain	Classroom	**€3,080.-**
15 - 19 November 2027	Frankfurt - Germany	Classroom	**€2,600.-**
20 - 24 December 2027	Rome - Italy	Classroom	**€3,400.-**

Live online option	Online delivery is available at €1,850.-.