



# Certified Lean Six Sigma Green Belt



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**Meirc**  
Training & Consulting

## Why Attend

Join us to become a certified Six Sigma practitioner joining the thousands of Six Sigma professionals we have successfully trained over the last 20 years. Six Sigma is an industry standard methodology for process improvement and business transformation. Our IASSC accredited Green Belt course is well recognised for its comprehensive and robust content aligned with the international Body of Knowledge (BOK) by ASQ and IASSC. This unique Green Belt Six Sigma course will help you to improve the quality of your company operations by adopting a data-driven approach and provide you with the skills necessary to work on projects to benefit all types of processes and businesses. Participants will learn the different phases of Define, Measure, Analyze, Improve and Control (DMAIC) and how to craft a project charter. Additionally, participants will learn about quality tools and statistics to help them formulate problem statements and translate them into a measurable format. Participants will be provided with the tools to assess their organization's readiness to launch Six Sigma projects.

## Course Methodology

The course will present participants with 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 which have implemented the Six Sigma methodology. A Case study will guide the training. Following the course, you will receive a Six Sigma Green attendance certificate. Certification will be obtained by passing an exam at the end of the course to measure the participants' knowledge on Six Sigma body of knowledge (BOK).

## Course Objectives

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

- Improve processes using DMAIC Six Sigma (variation removal) and Lean approach (waste removal)
- Discuss Six Sigma and why it is necessary to sustain business improvement
- Apply and implement the Define, Measure, Analyze, Improve and Control problem-solving methodology
- Collect and analyse data appropriately using various tools in Minitab
- Apply various tools usually used in a Six Sigma project
- Understand how to scope a project and build a business case for management to deploy Six Sigma

## Target Audience

Managers, supervisors and professionals who wish to fully utilize Six Sigma approach in their organizations, become certified professionals and learn how Six Sigma relates to work and business improvement.

## Target Competencies

- Deploying Six Sigma
- Problem-solving skills
- Critical thinking skills
  
- Using applied statistics
- Lean principles

## Note

Note1: Your Six Sigma Green Belt will include some pre-class work and reading, five days in the classroom and then further self-led study to reinforce what you've learned.

Note 2: Included in the course: A rich workbook that contains the slides and material, +40 useful Six Sigma and Lean templates, 30-day Minitab free trial and 2 hours of free coaching (by email) by the experienced trainer.

## Course Outline

- Define Phase
  - Understanding Six Sigma
  - Six Sigma fundamentals
  - Selecting projects
  - Project charters and problem statements



- SIPOC followed
- Team creation, RACI and communications planning
- Voice of the customer / CTQs followed
- Project planning, risk assessment and project launch
- Elements of waste
- Measure Phase
  - Process discovery
  - Six Sigma statistics
  - Measurement System Analysis (MSA)
  - Process capability
  - Introduction to Minitab
  - Types of data and basic stats Central Tendency, Variation and Tampering
    - Graphical displays – Histograms, dot plots, box plots
    - Process Mapping
    - Data collection planning
    - Measurement systems analysis and Gauge R&R
    - Sampling
  - Statistical Process Control (SPC)- Control charts
- Analyze Phase
  - Inferential Statistics
  - Introduction to Hypothesis Testing
  - Hypothesis Testing Normal Data Part One and Part Two
  - Hypothesis Testing Non-Normal Data Part One and Part Two
  - Brainstorming and Cause and Effect diagrams
  - Data analysis – Pareto charts, run charts, frequency charts
- Improve Phase
  - Process Modeling Regression
  - Advanced Process Modeling
  - Designing Experiments
  - Lean Tool box - Takt time, Kanban and Flow (Push v Pull), TPM, SMED
  - Poka Yoka
  - Evaluating and selection solutions
  - Reducing complexity and Standardisation
  - Pilot testing
- Control Phase
  - Advanced Experiments
  - Capability Analysis
  - Lean Controls
  - Defect Controls
  - Six Sigma Control Plans
  - Saving calculation – Cost of non-quality
  - Project close out/handovers
  - DMAIC summary



## Meirc Professional Certificate (MPC)

MPC certified courses by Meirc Training & Consulting are designed for those willing to challenge themselves and go the extra distance. Participants who fully attend an MPC course and successfully complete the test on the last day, will receive a Meirc Professional Certificate (MPC), in addition to the one they receive for full attendance. MPC certificates are regionally recognized and can be quite valuable when applying for more senior roles within the organization or outside.



### Location & Date

30 Jun - 4 Jul, 2019	English	Dubai	Media Rotana
15 - 19 Dec, 2019	English	Dubai	Novotel Al Barsha

### Fees: US\$ (including coffee breaks and a buffet lunch daily)

Per participant - 2019	US\$ 5100
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Fees + VAT as applicable

UAE Tax Registration Number 100239834300003

## Courses in Quality and Productivity

Dates	Course Name	Language	Location	Fees
18 - 22 Aug, 2019	Lean Thinking: A Strategy for Operational Excellence	English	Dubai	US\$ 4800
25 - 29 Aug, 2019	Total Quality Management (TQM): Tool Box for Continual Improvement	Arabic	Dubai	US\$ 4800
1 - 5 Sep, 2019	Simplification of Work Processes and Procedures	English	Dubai	US\$ 4800
8 - 12 Sep, 2019	ASQ Approved Lean Six Sigma Green Belt	English	Dubai	US\$ 5100
15 - 19 Sep, 2019	Process Management: Mapping and Improvement	English	Dubai	US\$ 4800
22 - 26 Sep, 2019	Total Quality Management (TQM): Tool Box for Continual Improvement	Arabic	Dubai	US\$ 4800
13 - 17 Oct, 2019	Certified Six Sigma Yellow Belt	English	Dubai	US\$ 5100
20 - 24 Oct, 2019	Certified Quality Management Professional	English	Dubai	US\$ 5100
27 - 31 Oct, 2019	Simplification of Work Processes and Procedures	Arabic	Riyadh	US\$ 4800
10 - 14 Nov, 2019	ASQ Approved Lean Six Sigma Green Belt	English	Dubai	US\$ 5100
17 - 21 Nov, 2019	Improving Productivity through Quality Enhancement and Cost Reduction	English	Dubai	US\$ 4800
24 - 28 Nov, 2019	Total Quality Management (TQM): Tool Box for Continual Improvement	English	Dubai	US\$ 4800
1 - 5 Dec, 2019	Certified Quality Management Professional	Arabic	Dubai	US\$ 5100
8 - 12 Dec, 2019	Process Management: Mapping and Improvement	English	Dubai	US\$ 4800
22 - 26 Dec, 2019	Simplification of Work Processes and Procedures	Arabic	Dubai	US\$ 4800



# Meirc Timeline

