XCELERATE TRAINING INSTITUTE
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PROJECT MANAGEMENT

Lean Six Sigma Green Belt Training Course

Improving Processes with Data, DMAIC and Lean Tools

DURATION	LANGUAGE	FORMAT	COURSE CODE
5 days	English or Arabic	Classroom / Online	TTC-110

Upcoming dates

Dates	Venue	Format	Fee
8 – 12 Feb 2027	Paris	Classroom	€4,800
19 – 23 Apr 2027	Singapore	Classroom	€5,500
28 Jun – 2 Jul 2027	Amman	Classroom	€3,800
2 – 6 Aug 2027	Amsterdam	Classroom	€4,800
11 – 15 Oct 2027	Barcelona	Classroom	€4,800
20 – 24 Dec 2027	Berlin	Classroom	€4,800

Register or ask a question

Online: x8ti.com/course/lean-six-sigma-green-belt-training-course/

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Lean Six Sigma Green Belt Training Course

Introduction

Lean Six Sigma combines Lean's focus on removing waste with Six Sigma's data-driven approach to reducing variation. Organisations in manufacturing, services, healthcare and government use it to deliver faster, cheaper and more reliable processes.

This Green Belt course teaches participants to lead improvement projects using the DMAIC method: define, measure, analyse, improve and control. Participants learn core Lean and statistical tools and apply them to a real or case project.

Learning Objectives

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

- Explain Lean and Six Sigma principles and the DMAIC method
- Define improvement projects with clear scope and goals
- Measure process performance and collect reliable data
- Analyse root causes using statistical and Lean tools
- Develop, test and implement improvements
- Sustain results with control plans

Training Methodology

This course combines short expert presentations with practical exercises, case studies from the Gulf and international organisations, group discussions and work with real templates and tools. Participants are encouraged to bring examples from their own work so that the learning can be applied immediately.

Participants apply each DMAIC phase to an improvement project, using spreadsheet-based statistical tools.

Benefits for Your Organisation

- Lower costs and fewer defects
- Faster, more reliable processes
- Data-driven problem solving
- Trained improvement project leaders
- Measurable financial results

Benefits for You

- Structured problem-solving skills
- Practical Lean and statistical tools
- Ability to lead improvement projects
- A widely recognised improvement competence
- Preparation for Green Belt certification exams

Who Should Attend

This course is designed for:

- Process owners and operations managers
- Quality and excellence professionals
- Engineers and analysts
- Project managers and team leaders
- Staff in improvement or transformation roles

Course Outline

Day 1: Define

- Lean and Six Sigma principles
- The DMAIC roadmap
- Project selection and charters
- Voice of the customer and critical-to-quality requirements
- SIPOC and process mapping

Day 2: Measure

- Data types and collection plans
- Measurement system analysis
- Process capability
- Descriptive statistics and charts
- Baseline performance

Day 3: Analyse

- Root cause analysis tools
- Value stream mapping and waste
- Hypothesis testing basics
- Correlation and regression
- Verifying root causes

Day 4: Improve

- Generating and selecting solutions
- Lean tools: 5S, standard work, flow and pull
- Error-proofing
- Piloting improvements
- Implementation planning

Day 5: Control

- Control plans
- Statistical process control charts
- Standardisation and documentation
- Project closure and benefits

- Presenting results

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Registration Form

Lean Six Sigma Green Belt Training Course

Preferred dates: ..... Venue or online: .....

Duration: 5 days Language: .....

Please complete and email this form to us, or register online. We confirm your place and send the invoice within one working day.

Delegate information

Full name (Mr / Ms / Dr / Eng): .....

Position: ..... Telephone / mobile: .....

Official email: ..... Personal email: .....

Company information

Company name: .....

Address: .....

City / country: ..... VAT / tax number: .....

Person responsible for training & development

Full name (Mr / Ms / Dr / Eng): .....

Position: ..... Telephone / mobile: .....

Email: .....

Payment

☐ Please invoice me ☐ Please invoice my company

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Email this form
info@x8ti.com

Register online
Open the course page