



Consulting and Training | Reach New Heights

**Course Name**

# Lean Six sigma - Green Belt

---

**Sector Name**

Quality Management & Operational Excellence

**Document Type**

Generated by Boostlab

[Click Here To Visit Course](#)

ABU DHABI: +971 2 449 6000

ABU DHABI: +971 50 412 3294

DUBAI: +971 4 888 6787

KSA: +966 56 416 0617

EGYPT: +20 127 111 1770



## Lean Six sigma - Green Belt

### **Course Introduction**

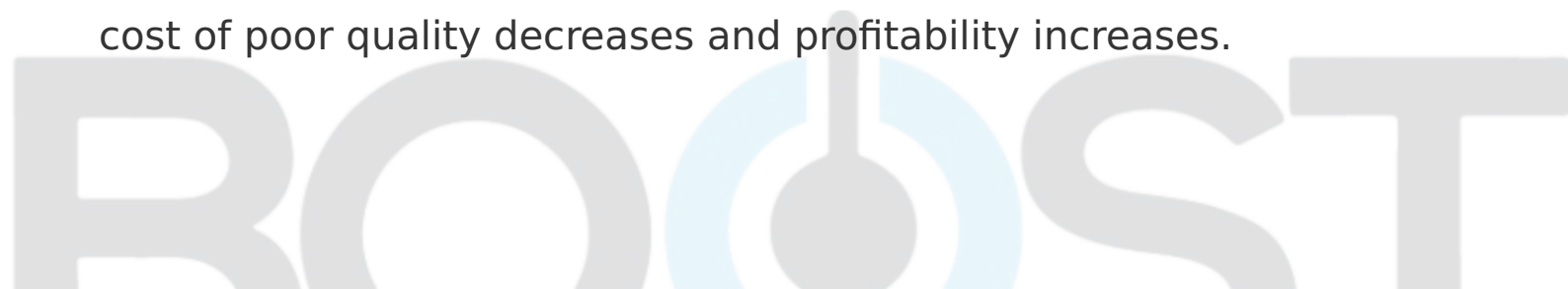
Six Sigma is a quality improvement methodology structured to reduce waste and product or service failure rates to a negligible level. Six Sigma companies typically spend less than five percent of their revenues addressing and repairing quality problems.

### **Six Sigma**

To achieve these levels, the Six Sigma process encompasses all aspects of a business, including management, service delivery, design, production, and customer satisfaction. As a philosophy, Six Sigma drives business culture and requires a nearly flawless execution of key processes, making Six Sigma a high standard for companies and individuals to achieve.

### **DMAIC problem-solving**

By reducing process variation, Six Sigma frees an organization to focus on improving process capability. As sigma levels increase, the cost of poor quality decreases and profitability increases.



This is why Six Sigma is highly associated with the delivery of consistent, world-class quality. The Six Sigma Green Belt Training Program provides you with an overview of the Six Sigma and Lean concepts and tools, including Six Sigma deployment practices, project development, and the DMAIC problem-solving approach. Once you've completed this program, you'll be ready to successfully participate in a Six Sigma team.

ABU DHABI: +971 2 449 6000  
ABU DHABI: +971 50 412 3294  
DUBAI: +971 4 888 6787  
KSA: +966 56 416 0617  
EGYPT: +20 127 111 1770

[Click Here To Visit Course](#)

ROOST

## Lean Six sigma - Green Belt

### Target Audience

- ✓ Practitioners in quality and audits
- ✓ Senior members and managers of organisations who need to understand the significance of training employees on quality management
- ✓ Quality team members
- ✓ Professionals aspiring to undertake a quality-related certification
- ✓ Construction project owners
- ✓ Design consultants
- ✓ Construction contractors
- ✓ Architects
- ✓ Non-engineering construction professionals

ABU DHABI: +971 2 449 6000  
ABU DHABI: +971 50 412 3294  
DUBAI: +971 4 888 6787  
KSA: +966 56 416 0617  
EGYPT: +20 127 111 1770

[Click Here To Visit Course](#)

## Lean Six sigma - Green Belt

### Learning Objectives

- ✓ Application of Six Sigma; Six Sigma tool kit to deploy
- ✓ Value-stream process mapping; tracking process defects
- ✓ DPU, DPMO, and Sigma level exercise
- ✓ Statistical process control: principles and applications
- ✓ Variable control charts, attribute control charts
- ✓ Discipline problem-solving
- ✓ Identifying and verifying root cause
- ✓ Permanent corrective action (PCA): preventing recurrence
- ✓ DMAIC Methodology -Define, measure, analyze, improve, control  
DMAIC checklists
- ✓ Failure mode and effects analysis

ABU DHABI: +971 2 449 6000  
ABU DHABI: +971 50 412 3294  
DUBAI: +971 4 888 6787  
KSA: +966 56 416 0617  
EGYPT: +20 127 111 1770

[Click Here To Visit Course](#)

## Lean Six sigma - Green Belt

### Course Outline

#### ✓ 01 DAY ONE

##### **Why Six Sigma?**

- ✓ Definition of Six Sigma
- ✓ Origins and Success Stories
- ✓ How to Deploy Six Sigma
- ✓ Leadership Responsibilities
- ✓ Data-driven Decision Making
- ✓ DEFINE: Project Definition
- ✓ Tasks
- ✓ Work Breakdown Structure
- ✓ Pareto Diagrams
- ✓ Project Charters
- ✓ DEFINE: Project Selection
- ✓ Project Prioritization
- ✓ Variable Prioritization

ABU DHABI: +971 2 449 6000

ABU DHABI: +971 50 412 3294

DUBAI: +971 4 888 6787

KSA: +966 56 416 0617

EGYPT: +20 127 111 1770

[Click Here To vist Course](#)



## Lean Six sigma - Green Belt

### Course Outline

#### ✓ 02 DAY TWO

##### **Measure: Tools and Objectives**

- ✓ Measure Stage Objectives
- ✓ SIPOC C. Cause and Effect Diagrams
- ✓ Check Sheets
- ✓ MEASURE: Process Capability
- ✓ Histograms
- ✓ Probability Plots
- ✓ Process Variation
- ✓ Benefits of Control Charts
- ✓ Capability and Performance Indices
- ✓ Relative to Process Control
- ✓ Interpretation

ABU DHABI: +971 2 449 6000  
ABU DHABI: +971 50 412 3294  
DUBAI: +971 4 888 6787  
KSA: +966 56 416 0617  
EGYPT: +20 127 111 1770

[Click Here To vist Course](#)

## Lean Six sigma - Green Belt

### Course Outline

#### ✓ 03 DAY THREE

##### **Analyze: Introduction to Regression Analysis**

- ✓ Scatter Diagrams
- ✓ Linear Model
- ✓ Interpreting the ANOVA Table
- ✓ Overview of Multiple Regression Tools

ABU DHABI: +971 2 449 6000

ABU DHABI: +971 50 412 3294

DUBAI: +971 4 888 6787

KSA: +966 56 416 0617

EGYPT: +20 127 111 1770

[Click Here To vist Course](#)

## Lean Six sigma - Green Belt

### Course Outline

#### ✓ 04 DAY FOUR

##### **Improve: Tools and Objectives**

- ✓ Improve Stage Objectives
- ✓ Tools to Prioritize Improvement Opportunities
- ✓ Testing improvement using a significance t-test

ABU DHABI: +971 2 449 6000

ABU DHABI: +971 50 412 3294

DUBAI: +971 4 888 6787

KSA: +966 56 416 0617

EGYPT: +20 127 111 1770

[Click Here To vist Course](#)

## Lean Six sigma - Green Belt

### Course Outline

#### ✓ 05 DAY FIVE

##### **Control: Tools and Objectives**

- ✓ Control Stage Objectives
- ✓ Control Plans
- ✓ Training
- ✓ Measuring Improvement

ABU DHABI: +971 2 449 6000

ABU DHABI: +971 50 412 3294

DUBAI: +971 4 888 6787

KSA: +966 56 416 0617

EGYPT: +20 127 111 1770

[Click Here To vist Course](#)

## Lean Six sigma - Green Belt

### Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
Aug. 10, 2026	Aug. 14, 2026	5 days	5950.00 \$	USA , Los Angeles
Oct. 12, 2026	Oct. 16, 2026	5 days	4250.00 \$	UAE , Dubai
Jan. 18, 2027	Jan. 22, 2027	5 days	4250.00 \$	UAE , Abu Dhabi
May 23, 2027	May 27, 2027	5 days	4250.00 \$	Bahrain , Manama

ABU DHABI: +971 2 449 6000  
ABU DHABI: +971 50 412 3294  
DUBAI: +971 4 888 6787  
KSA: +966 56 416 0617  
EGYPT: +20 127 111 1770

[Click Here To vist Course](#)

[info@boostuae.com](mailto:info@boostuae.com) [info@boostorg.com](mailto:info@boostorg.com)

Generated by BoostLab •