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التدريب والتوجيه | TRAINING & COACHING

# Lean Six Sigma

## Green Belt Course

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# About the course

Lean Six Sigma “Green Belt Certification” course presents an overview of the Six-Sigma problem solving methodology and statistical tools and focus on specific topics in detail as appropriate for the Green Belt level. The course relies on teamwork and the previous work experience of the participants as it builds a common vocabulary for the group, reviews the application of various statistical tools and provides hands on training in their various methods and application.

# Who should attend?

Any department or organization looking to eliminate waste, reduce costs, and increase product successes—including finance and accounting executives, directors, and business analysts; operations, engineering, manufacturing, purchasing, and general management



# Course outcomes

- Discover top organizations such as General Electric, Motorola and Xerox how they applied Six Sigma.
- Six Sigma can improve your bottom line.
- By attending this program, you will return to your organization with a deep understanding of the Six Sigma approach, proven tools for implementing the Six Sigma to a project and an international Green Belt Certification.

# Content & outlines

## 1st Day/ White Belt Awareness:

- what is six sigma
- History of Six sigma
- Six Sigma Roles & Responsibilities
- Six sigma DIMAC & DMADV
- Minitab 17 Introduction

## 2nd Day/ Define and Measure Phase:

- Six Sigma Fundamentals
- DMAIC Model
- Project Management Fundamentals
- Team Effectiveness
- Project Selection, Project Charter
- Mapping the Process, Measuring Defects
- Capability Analysis

## 3rd Day/ Analyze Phase:

- Pareto Charts
- Root Cause Analysis
- Correlation Analysis
- Scatterplots
- Analyzing the Customer
- Data Collection Plans
- Descriptive Statistics

# Content & outlines

## 4th Day/ Improve Phase:

- Correlation
- Simple Linear Regression
- Risk Analysis
- Check Sheets, Cause and Effect Diagrams

## 5th Day/ Control Phase:

- Improved Process Capability Analysis
- Statistical Process Control (SPC)
- Six Sigma Control Plans
- Case Studies

## Prerequisites

- The training will be conducted in Bilingual (English material & Bilingual clarification)
- Extra fees To get the international Green Belt certificate

## Accreditation:



## Delivery Team:



A young and Dynamic IT change management consultancy

Smart chart is a pioneer change management consultancy that help big businesses do success change initiatives. It helps many leading MENA organizations to respond faster to customer trends, to optimize of project outcomes, product usability, acceptance and increased return on investment by reducing costs associated with change.



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للتدريب والتوجيه | TRAINING & COACHING



00966 11 4330 555



training@smartchart.com.sa



www.smartchart.com.sa

