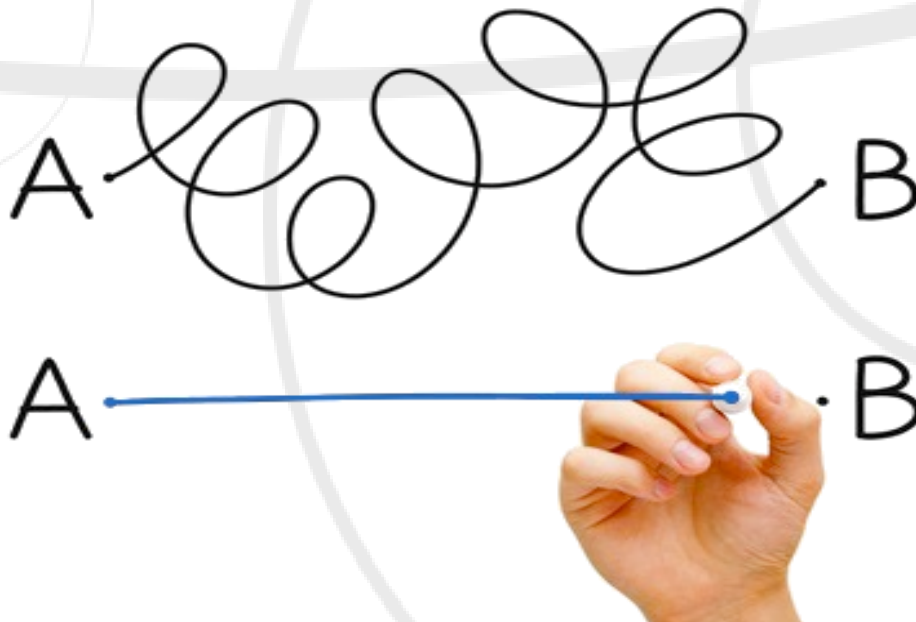


# LEAN SIX SIGMA IMPLEMENTATION BEST RESULTS & HIGH PERFORMANCE

**August 04 - 08, 2019**

**Kuwait, Kuwait**



## Early Bird Discount & Registration

Register and pay 25 days prior to the event date and get 15% discount.  
Registrations will close 15 days prior to the start of the Course.

## Course Overview:

In today's market, organizations are scrambling to find ways to cut costs. But knowing which projects to select for the best and fastest returns presents a challenge to organizations whether at the beginning of a Lean Six Sigma Implementation or needing to reenergize a current program.

To address this need for speed and better return-on-investment (ROI), we designed a Comprehensive Deployment Methodology. Years in development and the result of proven applications, the approach establishes an enterprise's process improvement needs up front, thus ensuring that resources are directed at projects with the biggest enterprise impact on Competitiveness and Financial Performance. Companies are realizing that they can achieve dramatic results by applying lean six sigma methods to improve their performance. The goal of lean Six Sigma is near perfection in meeting customer requirements by minimizing wastes and defects.

The term Six Sigma refers to a statistically derived performance target of operating with only 3.4 defects every million "opportunities". The Six Sigma process and its linkage to Lean Production System will be discussed. The course is highly interactive where delegates will run a business simulation process applying their new knowledge to approach six sigma performances. This course is designed to provide a broad understanding of Six Sigma Improvement Methodologies, concepts, and language. The Define-Measure-Analyse-Improve-Control ("DMAIC") methodology is presented through interactive practice exercises and online assessments.

## Course Objectives:

***After completing this course, participants will be able to:***

- ◆ Understand the Benefits and Implications of a Six Sigma Program, and relate Six Sigma Concepts to the Overall Business Mission and Objectives.
- ◆ Think about their Organization as a Collection of Processes, with inputs that determine the Output.
- ◆ Recognize the Five-Step D-M-A-I-C Model used to improve Processes and Systems.
- ◆ Recognize the Roles, Responsibilities, and Organizational Factors that are necessary groundwork for a Successful Six Sigma Program.
- ◆ Integrate a Six Sigma effort with other Process Improvement Initiatives and Drives.
- ◆ Experience Variation, its impact and the fun and Benefits of reducing it.
- ◆ Learn and practice eliminating the Failure Root Causes of Process Problems.
- ◆ Have Six Sigma Practices become "Habit Forming" and "Everyday Conversation".

## Who Should Attend?

The course is designed for Professional Development and Individuals whose Employer has embarked upon deployment of Six Sigma within the Company. Also Middle Managers and Executive who have taken new Management Responsibilities for a Projects.

## Course Language:

The Presentation, supplied documents, and workshop exercises of the course are in **English** however, based on the trainees' desires, oral presentation or discussion can be **Bilingual** (English and Arabic).



## Course Contents:

### Module (01) Introduction and Overview

- 1.1 Definitions and Initial Setup
- 1.2 Three Processes of Quality Management
- 1.3 The Knowledge Pyramid
- 1.4 Understanding Variation/Sigma
- 1.5 Quality Historical Evolution
- 1.6 Symptoms of Harmonic Problems
- 1.7 Needs to change for better
- 1.8 Traditional Problem Solving
- 1.9 Decision Making Process
- 1.10 Process and Relationship to Six Sigma

### Module (02) Cost of Quality COQ

- 2.1 What, Why is Cost of Quality (COQ)?
- 2.2 COGQ Preventive, appraisal
- 2.3 COPQ. Corrective, lost opportunities.
- 2.4 Quality cost relationship,
- 2.5 Benefits of using QOC.
- 2.6 Strategies to fight COPQ.
- 2.7 Cost of Quality Reporting and analysis.
- 2.8 Examples for COQ analysis.

### Module (03) Lean Six Sigma (LSS)

- 3.1 What is Lean?
- 3.2 LPS "Key Principles
- 3.3 FIVE Phases Implementation Cycle
- 3.4 LPS SEVEN Types of Waste
- 3.5 What is Six Sigma?
- 3.6 Core Principles of Six Sigma
- 3.7 What Isn't Six Sigma?
- 3.8 What is Lean Sigma?
- 3.9 Dimensions of Lean Six Sigma.
- 3.10 Goals of Lean Six Sigma?
- 3.11 Benefits of L6 $\sigma$

### Module (04) LSS Infrastructure & Deployment

- 4.1 Deployment Organization
- 4.2 LSS Players Roles/ Responsibilities
- 4.3 LSS Belts Training Requirements
- 4.4 Making it happen Three major roles
- 4.5 Six Sigma Implementation Roadmap
- 4.6 Golden tips for successful implementation
- 4.7 Golden tips for ever green implementation

- 4.8 LSS implementation Models
- 4.9 Lean Six Sigma - Three Dimensions
- 4.10 Attributes For Successful Belts
- 4.11 Empower people by Continuous Learning
- 4.12 Why does LSS Deployment Fail?

### Module (05) LSS Projects

- 5.1 What is LSS Project? Its sources?
- 5.2 Types /Categories of LSS Project
- 5.3 Who identify the Project?
- 5.4 Nominate Projects.
- 5.5 LSS Projects at different level, its Characteristics.
- 5.6 Where to start LSS Projects.
- 5.7 Identify/ Select/ Establish LSS project:
- 5.8 Tips for LSS Projects.
- 5.9 Examples for LSS Projects

### Module (06) LSS Improvement Tools & Methods

- 6.1 SIX SIGMA CYCLE/Steps DMAIC
- 6.2 Capturing the VOC
- 6.3 Stakeholder Analysis
- 6.4 Project Charter Template Example
- 6.5 RACI Chart
- 6.6 Process Mapping
- 6.7 SIPOC
- 6.8 Computing Cost of Poor Quality
- 6.9 The Pareto Principle
- 6.10 Prioritisation Matrix
- 6.11 Data Collection Techniques
- 6.12 Possible Sources of Variation
- 6.13 Common Variation Vs Special cause Variation

### Module (07) LSS Improvement Tools and Methods

- 7.1 Process measurement /Metrics
- 7.2 Capability Analysis
- 7.3 Performance baseline and Sigma Level Calculations
- 7.4 Cause and Effect
- 7.5 Correlation
- 7.6 Aspects of Control
- 7.7 Statistical Process Control

### Course Summary & Conclusion

## Registration Form:

**Please fill the information below:**

|   |  |  |                              |
|---|--|--|------------------------------|
| Nominee Name:   |  |  |                              |
| Company Name:   |  |  |                              |
| Position Title:   |  | Department:  |                              |
| Phone:  |  | Mobile:  |                              |
| Email:  |  |  |                              |
| Company Address:  |  |  |                              |
| Do you want to request this to be conducted as an <b>In-House</b> Course? |  | NO <input type="checkbox"/>                                  | YES <input type="checkbox"/> |
|   |  | <i>Please fill the required additional information below</i> |                              |
| Date Required:  |  | No. of Participants:   |                              |
| Preferred Venue:  |  | Other Requirements:  |                              |

## Course Fees:

The amount of **3500 USD** will be charged for the course fee and Full Payment is required prior to commencement of the course.

## Payment Methods:

A confirmation will be sent upon your registration. Note that full payment must be made prior to the event. Only those delegates who have paid in full will be admitted to the event. All payments should be to APEX Account:

Bank Name : Emirates NBD

Branch : Jebel Ali Branch, Dubai, UAE

IBAN No : AE260260001024622899402

Swift Code : EBILAEADJAZ

## Cancellation:

If you are unable to attend the course you may send a substitute delegate.

Cancellation should be made 15 days prior to the course conduction. Failure to cancel within 10 days will be to pay the course fee in full amount.

## Registration Methods:

**Email** : info@apex-dubai.com

**Fax** : +971 4 454 2910

**Website** : www.apex-dubai.com

## General Information:

- ◆ Closing of Registration will be two (2) weeks prior to the course date.
- ◆ APEX can assist and provide corporate rates for the hotel accommodation.
- ◆ Course fees will cover Course Materials, Certificate of Participation, Coffee Breaks and Lunch.
- ◆ In-House course is also available upon request and can be customized as per client's needs.

## Contact us:

**Tel** : +971 4 445 8567

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**Email** : info@apex-dubai.com

**Website** : www.apex-dubai.com