



an eegis company

بروجاكس للتدريب والتطوير  
Projacs Training and Development

## Lean Six Sigma Yellow Belt

منهجية ٦ سيجما – الحزام الأصفر وكيفية تحسين الأداء  
لرفع الكفاءة وتحقيق الاهداف في الادارة

01 - 05 August 2021

Dubai / United Arab Emirates



ProjacsAcademy.com



## Introduction

Six Sigma are quality improvement methodologies 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.

To achieve these levels, the Six Sigma process encompasses all aspects of a business; including management, service delivery, and 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. 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 Yellow 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.

## Objectives

By the end of this course practitioners shall learn to:

- 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
- DMAIC Methodology -Define, measure, control DMAIC checklists
- Failure mode and effects analysis

## Course Outline

- I. Why Six Sigma?
  - A. Definition of Six Sigma
  - B. Origins and Success Stories
- II. How to Deploy Six Sigma
  - A. Leadership Responsibilities
  - B. Data-driven Decision Making
- III. DEFINE: Project Definition
  - A. Tasks
  - B. Work Breakdown Structure
  - C. Pareto Diagrams
  - E. Project Charters
- IV. DEFINE: Project Selection
  - A. Project Prioritization
  - B. Variable Prioritization
- V. MEASURE: Tools and Objectives
  - A. Measure Stage Objectives
  - B. SIPOC
  - C. Cause and Effect Diagrams
  - D. Check Sheets
  - E. Tools to Define and Mitigate Failure Modes
  - F. FMEA
- VI. MEASURE: Process Capability
  - A. Histograms
  - B. Probability Plots
  - C. Process Variation
  - D. Benefits of Control Charts
  - E. Capability and Performance Indices
  - F. Relative to Process Control
  - G. Interpretation
- VII. ANALYZE: Lean Thinking
  - A. Definition of Waste
  - B. Standardization
  - C. 5S
  - D. Value Stream Maps
  - E. Kanban

F. Poka-Yoke

VIII. CONTROL: Tools and Objectives

- A. Control Stage Objectives
- B. Control Plans
- C. Training
- D. Measuring Improvement

### Training Method

- Pre-assessment
- Live group instruction
- Use of real-world examples, case studies and exercises
- Interactive participation and discussion
- Power point presentation, LCD and flip chart
- Group activities and tests
- Each participant receives a binder containing a copy of the presentation slides and handouts
- Post-assessment

### Program Support

This program is supported by interactive discussions, role-play, and case studies and highlight the techniques available to the participants.

### Schedule

The course agenda will be as follows:

- |                     |                  |
|---------------------|------------------|
| • Technical Session | 08.30-10.00 am   |
| • Coffee Break      | 10.00-10.15 am   |
| • Technical Session | 10.15-12.15 noon |
| • Coffee Break      | 12.15-12.45 pm   |
| • Technical Session | 12.45-02.30 pm   |
| • Course Ends       | 02.30 pm         |

### Course Fees\*

- **3,200USD**  
*\*VAT is Excluded If Applicable*