



## Six Sigma Yellow Belt Training Course



11 - 15 August 2024  
Cairo (Egypt)



# Six Sigma Yellow Belt Training Course

REF: A1655 DATE: 11 - 15 August 2024 Venue: Cairo (Egypt) - Fee: 3520 Euro

## Introduction:

The IASSC Certified Lean Six Sigma Yellow Belt ICYB is a part-time professional who is well-versed in the foundational elements of the Lean Six Sigma Methodology, leads limited improvement projects, and/or participates as a team member in more complex improvement projects led by a Certified Green Belt or Certified Black Belt. The IASSC Lean Six Sigma Yellow Belt Body of Knowledge defines a Lean Six Sigma Yellow Belt as having a full grasp of the fundamental features of the Lean Six Sigma Method, including proficiency in the subject topics covered within the Define, Measure, and Control DMC phases. A Yellow Belt in Lean Six Sigma knows how to implement, perform, interpret, and apply Lean Six Sigma.

## Course Objectives:

At the end of this course the participants will be able to:

- Gain a basic working knowledge of the Six Sigma DMAIC process
- Develop an understanding of the Lean concepts and their practical application
- Identify and reduce 8 types of waste
- Identify process improvement opportunities
- Develop basic problem solving & continuous improvement skills

## Targeted Audience:

- Key operational Staff who have intimate knowledge of and day-to-day expertise with the company's business processes. In Lean Six Sigma Green or Black Belt projects, Yellow Belts are key contributors or team members.
- This course is also appropriate for anybody interested in gaining a broad grasp of Lean Six Sigma ideas and practices.
- Six Sigma is a lean methodology. Yellow belt training is often employed as a basic competence for all employees in world-class Lean Six Sigma organizations.

## Course Outlines:

This Lean Six Sigma Yellow Belt training course covers the following areas

### UNIT 1: Introduction to Lean 6 Sigma

- What is Lean 6 Sigma?
- Two Parts of Lean 6 Sigma

- Focus of Lean and Lean Temple and Focus of Six Sigma and Making Customers Happy
- How they Complement Each Other
- Key Principles of Lean 6 Sigma and Lean 6 Sigma Belts
- TKA Lean 6 Sigma Belt Structure and Training Roadmap
- Role of the Yellow Belt and L6S Support Network
- Processes and Different Ways of Looking at Process Improvement
- What is a Process?
- Process Concepts and Types of Process
- Comparing Process Types, Customers, Value, and Waste
- What are Customers? Who Wants the Outputs?
- Tension Between the VOB and VOC
- What Do We Mean by Value?
- Path to Value and Dealing with Values
- Muda Waste and Seven Wastes Muda of Lean
- Types of Demand, Case Study Exercise and Key Metrics

## UNIT 2: DMAIC Cycle

- What is DMAIC?
- Define
- Common Tools for Define Phase and Gemba Tools
- Process Stapling and Measure
- Common Tools for Measure Phase
- Spaghetti Movement/Transportation Diagrams
- Measure Tool: Measles Charts and Analyse
- Common Tools for Analyse Phase
- Improve and Common Tools for Improve Phase

- Control and Common Tools for Control Phase

### UNIT 3: Yellow Belt Tools and Techniques

- Lean Triad, 5s, Poka Yoke, SMED
- Voice of the Customer and CTQs
- Customer Chains and 4 Steps of VOC
- Affinity Diagrams and Kano Diagrams
- CTQs and Requirements
- SIPOC
- What is a SIPOC? An Example SIPOC
- CSandF Web Fulfilment SIPOC
- Creating a SIPOC and Top Tips - SIPOC
- Value Stream Analysis and Value Stream Terminology
- Process Maps and Aim of Value Stream Mapping
- Swim Lanes and Typical Process Map Contents
- Value Stream Maps and Headache Tablets: Value Stream Mapping
- Heijunka and Heijunka in a Nutshell
- Single Piece Flow, Pull, Kanban
- Three-Bin System, Andon
- Variation and SPC and Statistical Process Control SPC
- Two Types of Process Variation
- Red Bead Experiment and Standard Deviation SD
- Understanding Control Charts, Defects and Process Capability, Conversion Table
- Process Capability, Identifying Process Efficiency
- Process Efficiency and Identifying Process Efficiency
- Key DPMO Terms and Identifying the Root Causes
- 5 Whys and Fishbone Diagram

- Solving Problems and Problem-Solving Framework
- Prioritisation Tools and Tools and Techniques to Generate Needed Solutions
- Introduction to Kaizen, Kaizen in a Nutshell, and Kaizen in a Business Setting
- Lean Teams and Introduction to Lean Team
- Managing Progress and Demonstrating Control