



## LEAN SIX SIGMA YELLOW BELT CERTIFICATION TRAINING

This course helps a professional to master the fundamental elements of the Lean Six Sigma Methodology. Through this certification, an individual learns implementation, performance, interpretation, and application of Lean Six Sigma in a skilled but supportive way. Six Sigma methodology identifies and removes the basic causes of error in any business process. It aims at minimizing variability and eliminating marginal methods that are used in traditional contexts.

## Key Features

- Exam Simulators
- Hand book course Material
- Course Completion Certificate
- 24x7 assistance and support
- Money Back Guarantee\*



## Modes of Engagement



### Instructor-Led Classroom Training

4-Day LSSYB Certification exam prep classroom training workshops conducted worldwide.



### Instructor-Led Live Online Training

Provided to your company's employees across global locations through Citrix GoToMeeting or Cisco WebEx.



### Self-Placed E-Learning

Anywhere, anytime access to E-Learning through a Learning Management System for employees across the globe.



### Enterprise Training

In-House instructor-led 4-day LSSYB certification training in your office across global locations. We can also provide 2-day LSSYB Fundamentals training for your team to precede the LSSYB certification training.

## Prerequisites

In order to achieve IASSC Certified Yellow Belt (ICYB) from the International Association for Six Sigma Certification, candidates must sit for the IASSC Certified Lean Six Sigma Yellow Belt Exam and achieve a passing score (>70%). There are no prerequisites required to sit for the IASSC Certified Lean Six Sigma Yellow Belt Exam. For more about this please visit the FAQ's page <http://www.iassc.org/faqs/>

## Certification

The Six Sigma Yellow Belt Exam is 2 hours long, and all the 60 questions are in the true/false or multiple choice format. The questions are based on the Yellow Belt Body of Knowledge which can be downloaded from this link:

### Who Can Attend:

The Six Sigma Yellow Belt program is the second level program (after White Belt) designed for professionals and students who want to develop the ability to lead process-improvement initiatives. It would be suitable for Level 1 employees of organizations, Team Leaders/ Supervisors who can take decisions for their team and any individual who needs basic problem solving skills.

## Course Agenda

### Define Phase

#### The Basics of Six Sigma

- Meanings of Six Sigma
- General History of Six Sigma & Continuous Improvement
- Deliverables of a Lean Six Sigma Project
- The Problem Solving Strategy  $Y = f(x)$
- Voice of the Customer, Business and Employee
- Six Sigma Roles & Responsibilities

#### The Fundamentals of Six Sigma

- Defining a Process
- Critical to Quality Characteristics (CTQ's)
- Cost of Poor Quality (COPQ)
- Pareto Analysis (80:20 rule)
- Basic Six Sigma Metrics: a. including DPU, DPMO, FTY, RTY Cycle Time, deriving these metrics and these metrics

#### Selecting Lean Six Sigma Projects

- Building a Business Case & Project Charter
- Developing Project Metrics
- Financial Evaluation & Benefits Capture

## Course Agenda

### **The Lean Enterprise**

- Understanding Lean
- The History of Lean
- Lean & Six Sigma
- The Seven Elements of Waste: a. Overproduction, Correction, Inventory, Motion, Over processing, Conveyance, Waiting
- Straighten, Shine, Standardize, Self-Discipline, Sort

### **Measure Phase**

#### **Process Definition**

- Cause & Effect / Fishbone Diagrams
- Process Mapping, SIPOC, Value Stream Map
- X-Y Diagram
- Failure Modes & Effects Analysis (FMEA)

#### **Six Sigma Statistics**

- Basic Statistics
- Descriptive Statistics
- Normal Distributions & Normality
- Graphical Analysis

#### **Measurement System Analysis**

- Precision & Accuracy
- Bias, Linearity & Stability
- Gage Repeatability & Reproducibility
- Variable & Attribute MSA

## Course Agenda

### Process Capability

- Capability Analysis
- Concept of Stability
- Attribute & Discrete Capability
- Monitoring Techniques

### Control Phase

#### Lean Controls

- Control Methods for 5S
- Kanban
- Poka-Yoke (Mistake Proofing) Control Phase

#### Six Sigma Control Plans

- Cost Benefit Analysis
- Elements of the Control Plan
- Elements of the Response Plan

## Course Benefits

### From the Course:

- Learn the principles and philosophy behind the Six Sigma method
- Learn to gather data, and participate in problem solving
- Gain an understanding of processes, in order to provide assistance to achieve organizational objectives
- Learn to start the first statistical process improvement initiative
- Learn to identify and control wasteful processes
- Learn to evaluate daily activities, to reduce cycle times, and improve quality
- Evaluate problems, statistically and quantitatively
- Give data to, and assist Green Belts and Black Belts
- Increase profitability using Six Sigma methodology
- Prepare for the Six Sigma Yellow Belt certification exam

### From the Workshop:

- 1 day Instructor-led classroom course
- 8 PDUs
- Downloadable e-book



## About PanelcsCourses

- PanelcsCourses is a leading training provider, helping professionals across industries and sectors develop new expertise and bridge their skill gap for recognition and growth in the global corporate world. Developed with the intention of delivering high value training through innovative and practical approaches, PanelcsCourses offers a wide range of services in training, learning and development in the fields of technology and management.
- The founders of the company are zealous young entrepreneurs, who were motivated by the need to fill a niche in the IT Training industry for professionals and they are aided in their goal by industry experts who conduct the workshops; igniting minds and motivating professionals to face on-the-job challenges
- PanelcsCourses is an professional certification training provider catering its services globally across countries including USA , UK, CANADA, Australia,,India, Middle East, Netherlands, Germany, France etc.
- With over 150 consultants and trainers, we have one of the largest pool of in-house experts in the industry. The training content, course material, and training methodology are developed by in-house subject matter experts and accredited by global certifying authorities to ensure the quality training experience.



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