

# IASSC Certified Lean Six Sigma Yellow Belt Course

**Course Duration: 32 Hrs.**

**Course code: LSSYB**

## Course Overview

The IASSC<sup>®</sup> Certified Lean Six Sigma Yellow Belt<sup>™</sup> Course provides a foundational understanding of Lean Six Sigma concepts, principles, and tools. It introduces learners to process improvement methods, the DMAIC framework, and essential Lean techniques to identify waste, improve quality, and support project teams in achieving efficiency goals.

## What you'll learn?

- Understand the basic principles and objectives of Lean Six Sigma.
- Learn DMAIC methodology and its role in process improvement.
- Recognize different types of waste and methods to eliminate them.
- Interpret basic process maps and data analysis results.
- Assist in Lean Six Sigma projects as a contributing team member.
- Understand the importance of customer requirements and critical-to-quality (CTQ) factors.

## Target Audience

- Team Leaders
- Supervisors
- Process Operators
- Quality Control Inspectors
- Customer Service Representatives
- Administrative Professionals
- Entry-level Project Coordinators
- Anyone interested in process improvement fundamentals

## Pre-Requisites

No prior Lean Six Sigma experience is required. A high school diploma or equivalent is recommended for better comprehension of course content.

## Course Content

### Module 1: Introduction to Lean Six Sigma

- What is Lean Six Sigma?
- History and Evolution of Lean and Six Sigma
- Benefits of Lean Six Sigma for Organizations
- Roles & Responsibilities in Lean Six Sigma Projects

### Module 2: Define Phase

Understanding Processes and Process Thinking

- The Voice of the Customer (VoC)
- Defining Project Goals and Scope
- Basics of Project Charters
- Introduction to SIPOC Diagrams

### Module 3: Measure Phase

Basics of Data Collection

- Understanding Metrics: CTQ, DPMO, and Yield
- Process Mapping Fundamentals
- Introduction to Cause-and-Effect (Fishbone) Diagrams
- Basics of Graphical Analysis (Pareto Charts, Histograms)

### Module 4: Analyze Phase

Identifying Root Causes of Problems

- Introduction to Basic Statistical Concepts
- Understanding Variation in Processes

- Simple Problem-Solving Tools

### **Module 5: Improve Phase**

- Brainstorming Improvement Ideas
- Introduction to 5S Methodology
- Basics of Error Proofing (Poka-Yoke)
- Quick Wins vs. Long-Term Solutions

### **Module 6: Control Phase**

- Introduction to Control Plans
- Visual Management Tools (Kanban, Checklists)
- Monitoring Process Performance
- Maintaining Improvements over Time

