LEAN SIX SIGMA YELLOW BELT Training Programs

Course Duration:
(3 days -24 hrs)

Fees:
(EGP 1000)

Exam Duration:
(1.5 hour)

Questions:
(50 Multiple-Choice)

Certified Lean Six Sigma Yellow Belts

The IASSC Certified Lean Six Sigma Yellow Belt (ICYB) is a professional who is versed in the basics of the Lean Six Sigma Methodology who supports improvement projects as a part of a team or conducts small projects on a part time basis. A Lean Six Sigma Yellow Belt possesses an understanding of the aspects within the phases of D-M-C.

Certification Testing

The IASSC Certified Lean Six Sigma Yellow Belt (ICYB) Exam is a 1.5 hour 50 question proctored exam based on the IASSC Universally Accepted Lean Six Sigma Body of Knowledge for Yellow Belts. The Exam contains multiple-choice questions from each major section of the ILSSBOK for Yellow Belts and is administered in more than 8,000 Testing Centers located within 165 countries throughout the world.

Requirements

In order to achieve the professional designation of 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 that is calculated based on points earned in the exam. There are no prerequisites required in order to sit for the IASSC Certified Lean Six Sigma Yellow Belt Exam. For more about this see FAQ's and the IASSC position on knowledge and application.

Preparation

For those who wish to sit for the exam it is recommended, but not required, that Lean Six Sigma training is obtained through a qualified institution, Lean Six Sigma trainer or corporate program prior to sitting for the IASSC Certified Lean Six Sigma Yellow Belt Exam.

Certification

Upon successful achievement, Professionals will receive a Certificate, suitable for framing, issued by the International Association for Six Sigma Certification or its designated Examination Institute, People Cert. Professionals will also receive the IASSC Marks and IASSC Marks Usage Policy which may be used on public profiles such as LinkedIn. Professionals may use the designation ICYB, IASSC Certified Yellow Belt or any approved variation of the designation after their name in accordance with the IASSC Marks Usage Policy.

Yellow Belt Body of Knowledge

1.0 Define Phase

1.1 The Basics of Six Sigma
1.1.1 Meanings of Six Sigma
1.1.2 General History of Six Sigma & Continuous Improvement
1.1.3 Deliverables of a Lean Six Sigma Project
1.1.4 The Problem Solving Strategy Y = f(x)
1.1.5 Voice of the Customer, Business and Employee
1.1.6 Six Sigma Roles & Responsibilities

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

1.3 Selecting Lean Six Sigma Projects
1.3.1 Building a Business Case & Project Charter
1.3.2 Developing Project Metrics
1.3.3 Financial Evaluation & Benefits Capture

1.4 The Lean Enterprise
1.4.1 Understanding Lean
1.4.2 The History of Lean
1.4.3 Lean & Six Sigma

1.4.4 The Seven Elements of Waste
a. Overproduction, Correction, Inventory, Motion, Overprocessing, Conveyance, Waiting.
1.4.5 5S
a. Straighten, Shine, Standardize, Self-Discipline, Sort

2.0 Measure Phase

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

2.2 Six Sigma Statistics
2.2.1 Basic Statistics
2.2.2 Descriptive Statistics
2.2.3 Normal Distributions & Normality
2.2.4 Graphical Analysis

2.3 Measurement System Analysis
2.3.1 Precision & Accuracy
2.3.2 Bias, Linearity & Stability
2.3.3 Gage Repeatability & Reproducibility
2.3.4 Variable & Attribute MSA

2.4 Process Capability
2.4.1 Capability Analysis
2.4.2 Concept of Stability
2.4.3 Attribute & Discrete Capability
2.4.4 Monitoring Techniques

3.0 Control Phase

3.1 Lean Controls
3.1.1 Control Methods for 5S
3.1.2 Kanban
3.1.3 Poka-Yoke (Mistake Proofing)

3.2 Six Sigma Control Plans
3.2.1 Cost Benefit Analysis
3.2.2 Elements of the Control Plan
3.2.3 Elements of the Response Plan