



## **COMBO LEAN SIX SIGMA GREEN BELT AND LEAN SIX SIGMA BLACK BELT CERTIFICATION TRAINING**

Gain a thorough understanding of all aspects of the Lean Six Sigma Method including a high-level of competence in the subject matters contained within the phases of Define, Measure, Analyze, Improve and Control (DMAIC) as defined by the IASSC Lean Six Sigma Black Belt Body of Knowledge™.

## Benefits of LSSGB + LSSBB Certification

- Get well versed in the core to advanced elements of Lean Six Sigma Methodology
- Understand how to implement, perform, interpret, and apply Lean Six Sigma at an advanced level of proficiency
- Lead complex improvement projects
- Gain a thorough understanding of all aspects of the Lean Six Sigma Method
- Advance your career, increase your employability, and enhance your earning potential

## Key Features

- Lean Six Sigma Green Belt (LSSGB) + Lean Six Sigma Black Belt (LSSBB) Classroom Certification Training
- 2 Full Length Lean Six Sigma Green Belt and Lean Six Sigma Black Belt Practice Tests
- 6 Months Complimentary Access to LSSGB and LSSBB E-Learning
- Instructor-led Classroom Training Workshop by an Expert Trainer
- Instructor-led Live Online Training also available on demand

## Modes of Engagement



### Instructor-Led Classroom Training

4-Day LSSGB and LSSBB Certification prep exam 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 certified instructor-led LSSGB and LSSBB certification training in your office across global locations..

## LSSBB Course Agenda

### Objectives

- What is LEAN SIX SIGMA?
- About Icertglobal's LSSGB Course
- Introduction to SIX SIGMA
- Basics of Six Sigma
- Process for Six Sigma is DMAIC:
- DMAIC Tools
- What is Six Sigma?
- Six Sigma Level Chart
- Six Sigma - Introduction to Qualifications
- Why Six Sigma?
- How Does Six Sigma work?
- Six Sigma and Quality
- From Where Does Six Sigma Come?
- History of Six Sigma
- Six Sigma and Business System
- Lean Principles
- What is Lean?
- Why Use Lean?
- History of Lean
- Other Lean Wastes
- Examples of Waste

## LSSBB Course Agenda

### Objectives

- Lean Concepts
- Lean Techniques
- Cycle Time Reduction
- The Theory Of Constraints

## LSSBB Course Agenda

### 1. SIX SIGMA BLACK BELT OVERVIEW

- What is Six Sigma?
- Six Sigma Roles and Responsibilities
- About LSSBB
- LSSBB Roles and Responsibilities
- Organizational Roadblocks
- Role of Communication and Selection Criteria in Black Belt
- Overview of Continuous Improvement
- Lean – An Overview
- Lean Concepts Explained
- Lean Tools Explained

### 2. DFSS: PRE-DEFINE AND DEFINE (DMAIC)

- DFSS – Design for Six Sigma and DMAIC versus DFSS
- Pre-Define Activities Define

### 3. MEASURE

- Pre-Measure Considerations and Tools
- Types of Data and Measurement Scales
- Central Tendency and Dispersion
- Measurement System Analysis
- Stability Conditions

## LSSBB Course Agenda

### 4. ANALYZE

- Pre-Analyze Considerations
- Value Stream Analysis
- Sources of Variation
- Regression
- Confidence Intervals
- Parametric Hypothesis Testing

### 5. IMPROVE

- Pre-Improve Considerations
- Design of Experiments – Theory
- Design of Experiments – Practice Brainstorming,
- Solutions Prioritization and Cost Benefit Analysis

### LSSGB - Eligibility Requirements

- There are no pre-requisites for attending the course or to take the IASSC Certified Lean Six Sigma Green Belt Exam™.
- The cost for the IASSC Certified Green Belt Exam is \$295 USD.

## LSSBB - Eligibility Requirements

- In order to achieve the professional designation of IASSC Certified Black Belt (IASSC-CBB™) from the International Association for Six Sigma Certification, candidates must sit for the IASSC Certified Lean Six Sigma Black Belt Exam and achieve a minimum score of 580 points out of a total potential of 750 points.
- There are no prerequisites required in order to sit for the IASSC Certified Lean Six Sigma Black Belt Exam. Prerequisites to become Six Sigma Black Belt Certified: To attain Six Sigma Black Belt certification, professionals require two complete projects with signed affidavits or one complete project with a signed affidavit and three years of work experience, in one or more areas of the Six Sigma Body of Knowledge.
- IASSC Certified Lean Six Sigma Black Belt™ (ICBB™) Exam Fees The cost for the IASSC Certified Black Belt Exam is \$395 USD.



## **LSSGB - Exam Format**

The IASSC Certified Lean Six Sigma Green Belt Exam™ is a 100 question, closed book, proctored exam with a 3 hour allotted time. Some forms of this exam may also include up to an additional 10 non-graded questions.\* The Exam contains approximately 20 multiple-choice and true/false questions from each major section of the IASSC Lean Six Sigma Green Belt Body of Knowledge.

## **LSSBB - Exam Format**

The IASSC Certified Lean Six Sigma Black Belt Exam™ is a 150 question, closed book, proctored exam with a 4 hour allotted time. Some forms of this exam may also include up to an additional 15 non-graded questions\*. The Exam contains approximately 30 multiple-choice and true/false questions from each major section of the IASSC Lean Six Sigma Black Belt Body of Knowledge

## LSSGB and LSSBB - Target Audience

There are no prerequisites for attending the course or to take the IASSC Certified Green Belt or Black Belt Exam.

The course is suitable for:

- Quality Managers
- Quality System Managers
- Quality Engineers
- Quality Supervisors
- Quality Analysts
- Quality Auditors
- Team Leaders
- Software Professionals
- Project Managers
- Software Quality Assurance Team Members
- Senior Management (especially if the company intends to implement Lean Six Sigma)

## About AR Learners

- AR Learners 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, AR Learners 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
- AR Learners 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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