

Lean Six Sigma Black Course Agenda



RESKILL.
Be Future Ready.



- PROJECT MANAGEMENT
- ITSM
- INTERNET SECURITY
- NETWORKING
- CLOUD COMPUTING

Corporate Training Program



iCertGlobal provides professional certification trainings for enterprises to empower their workforce

Importance of Workforce Development:

- Provide team members training that enables them to attain the level expected by your clients
- Enable more client wins with certified team leaders and team members to get those important projects
- Train employees across geographies and enable diverse teams to obtain similar level of skill for a particular course
- Utilize the potential of your employees by providing them avenues to grow within the organization through training

Modes of Engagement for Corporate Training:

In-house : corporate training programs: Instructor-led classroom training programs where our expert trainer provides training to your employees in your office based on your schedule

Open-house : corporate training programs: Instructor-led classroom training that is delivered by our expert trainer at an external location, outside your office premises, for the benefit of only your employees

Live Online Training : Instructor-led Live Online Training, which is provided by our expert trainer to your company's employees spread across diverse locations. These trainings are typically conducted through Citrix GoToMeeting, Cisco WebEx, or any other proprietary training software, as used by the organization

Self-Paced Online Training / E-learning : Self-paced anywhere, anytime access to Online Training / E-learning set for a certain duration with secure access to a Learning Management System with in-built quizzes at the end of each lesson and chapter-end and course completion online tests to benchmark the skills of your employees and get them to a certain threshold level to comply with your company's business requirements

Course Description

Lean Six Sigma Black Belt Training Program

This course will help you to understand the lean concepts like 5S, waste reduction, process mapping, value stream mapping and mistake proofing. You will be able to master the methodologies of DFSS and DMAIC. You will be introduced to the various initiatives in achieving quality excellence, expedite project delivery, increase the ROI, and shorten the project completion time and waste. This course will enable you to effectively manage teams, advance your skills to deploy enterprise-wide projects, and implement the concepts of Lean, Design for Six Sigma (DFSS), Six Sigma Define, Measure, Analyze, Improve and Control (DMAIC) and Total Productive Maintenance (TPM) using statistical tools and analysis.



Take the first step towards exploring an opportunity to become a Lean Six Sigma Black Belt certified professional. Prepare for the Lean Six Sigma Black Belt Certification exam and fast track your career as a Lean Six Sigma Black Belt Practitioner.

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How much does a Lean Six Sigma Black Belt make?

The national average salary for a Lean Six Sigma Black Belt is \$96,637 in United States. Filter by location to see Lean Six Sigma Black Belt salaries in your area. Salary estimates are based on 1,077 salaries submitted anonymously to Glassdoor by Lean Six Sigma Black Belt employees.

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Who Should Attend

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

Lean Six Sigma Black Belt training programs are intended not for only manufacturing operations, but beyond, such as healthcare, financial services, and insurance, making this course diverse enough to be applied in a wide variety of industries.

Course Benefits



At the end of this course, you will:

- ✚ Get skilled in statistical analysis, team dynamics and project management.
- ✚ Deliver significant productivity and quality benefits to the business
- ✚ Obtain a global process excellence leadership role.
- ✚ Hold an important role within Lean Six Sigma—a problem solving methodology
- ✚ facilitate and lead projects, provide deployment support, and coach and train other performance excellence resources

Black Belt certification is seen as a personal and professional development building block that prepares people for leadership roles.

Black Belts lead projects across organizations, so they gain hands-on experience with the inner workings of processes and people, and a better understanding of how the organization ticks.

Course Eligibility

There are no formal prerequisites for participating in the Lean Six Sigma Black Belt Certification course;

However, basic understanding and knowledge about quality aspect and quality control will prove to be useful.



Course Agenda

1. LEAN 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

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

6. CONTROL

Variables and Attributes Control Charts

Measurement System Analysis, Control Plan, and Project Closure

Introduction to Total Productive Maintenance



Course Takeaways

You will:

- Be adept in problem solving and data analysis
- Become confident about team management and leadership skills
- Exceed expectations and excel on your KRAs
- Put to use the learning and collaborate with sophisticated statistical analysis software and tools to drive comprehensive Lean Six Sigma projects.
- Eliminate waste, deliver breakthrough projects, improve deliverables and take on complex projects with confidence

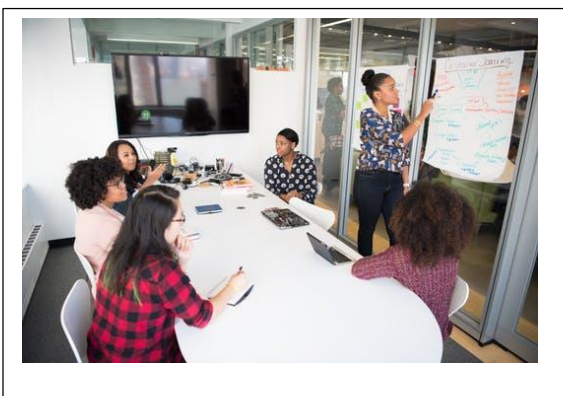


About Us

iCert Global having trained a little over 125,000 Working Professionals across the globe with 60% of the customer base from the Business to Consumer (B2C) Market and the remaining 40% from the Business to Business (B2B) Market with more than 400,00 quality hours of active training spreading across strategic locations like USA, Canada, Malaysia, Singapore, UAE, Saudi Arabia.

iCert Global conducts professional trainings on varied and diverse list: Project Management, Service Management, Quality Management, Agile & Scrum and Niche technologies.

iCert Global is one of the leading providers of professional certification courses for working professionals and companies.



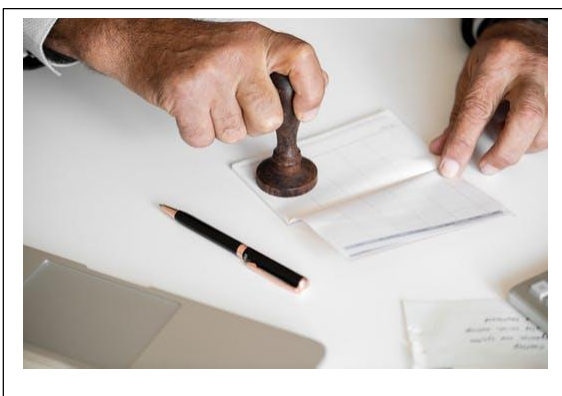
Accredited Training Organization (ATO) & Accredited Examination Centre (AEC).



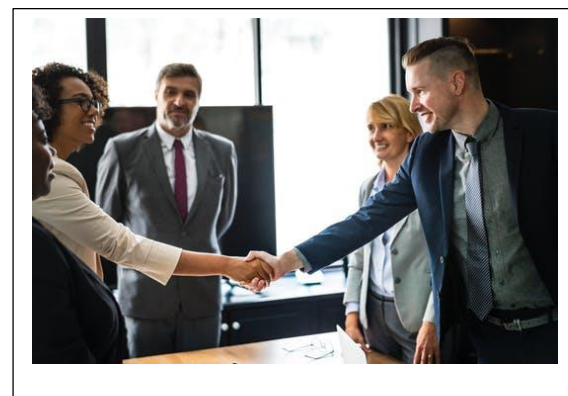
Operates in nearly 3 continents, across 50 countries



Success Rate Of 99%



Courses Accredited By Leading Governing Bodies



Trained More Than 100,000 Professionals From Different Verticals

Address

10685 B, Hazlehurst Drive,
Suite 15727, Houston,
TX 77043, United States

Call us at: +1 (713)-287-1355



Need Help?

Global Footprint

Please feel free to contact us by an email or phone if you need more information.

USA: +1 (713)-287-1355

USA: +1 (713)-287-1053

USA: +1 (713)-287-1213

USA: +1 (713)-287-1214

Operations: +1 (713)-287-1187

Operations: +1 (713)-287-1319

UK: +44-1-322-476-113

AUS: +61 2 6171 0726

SG: +65 3158 8869

BHR: +973-16-196142

Tel (IND): +91 988-620-5050



Mail Us

info@icertglobal.com

support@icertglobal.com