

Lean Six Sigma Black Belt Certification

Global Certification Program

- ✓ Globally lifetime Valid Certification
- ✓ Lifetime Valid Certification
- ✓ AI based Roleplay & Simulations
- ✓ Two Exam Attempts



An Overview

what you can expect from this program

The GSDC Lean Six Sigma Black Belt certification is a prestigious credential that validates professionals' advanced expertise in statistical process improvement methodologies.

By demonstrating mastery in identifying process anomalies, implementing quality management techniques, and leading complex improvement projects, this certification empowers professionals to showcase their strategic leadership capabilities in driving organizational efficiency and quality management across diverse business environments.

	Type	Online self-paced learning, Mocks
	Language	English (including subtitles)
	Access	12 months
	AI based Role play	Prepare yourself for career with AI based roleplay
	Digital certificate upon completion (2 Attempts)	
	Card Payment, Bank Transfer	
	Reading materials & Reference Templates	
	100% money back guarantee*	

GSDC Introduction

Welcome to the Global Skill Development Council (GSDC)!

As an independent, vendor-agnostic certification organization, we empower professionals worldwide.

Leading MNC organizations and global universities recognize our certifications. With a diverse portfolio of over 150+ programs, including L&D, HR, SRE, DevOps, Agile, Six Sigma, and Cyber Security, we've certified over 250,000 professionals.

Partnered with 100+ global training organizations, GSDC is your gateway to unlocking endless opportunities.

Join us today and let your skills soar to new heights!



Introduction

Lean Six Sigma Black Belt Certification

The GSDC Lean Six Sigma Black Belt Certification shows that a person has a thorough mastery of all aspects of the six sigma body language and is ready to take on the challenges that come in that journey.

The Six Sigma methodology uses statistical ideas and techniques to identify anomalies or defects in a process.

Individuals who have successfully acquired Lean Six Sigma Black Belt certification have verified that they have a highly developed understanding of how to conduct, interpret and apply Lean Six Sigma. Your career will benefit from the Six Sigma Black Belt certification since it will demonstrate that you have a thorough understanding of the leadership role within Six Sigma. Your career will benefit from the Six Sigma Black Belt certification since it will demonstrate that you have a thorough understanding of the leadership role within Six Sigma.

Your capacity to lead Six Sigma project execution will be demonstrated by your Black Belt certification, which will help you establish authority and trust in the field.

Start your Lean Six Sigma journey with our Six Sigma Green Belt certification or take it one step further with our intermediate Six Sigma Yellow Belt certification - either way, we've got it all.



Learning Objective

- Develop sophisticated approaches and methods for tackling problems
- Effectively manage and mentor project teams
- Implement Lean Six Sigma techniques in businesses.
- Obtain huge cost savings and satisfy customers.
- Drive initiatives for process improvement to maximize effectiveness
- Apply statistical analysis to find the causes at the root
- Process simplification will cut waste and variability.
- Ensure ongoing, sustained process improvement.

OBJECTIVES OF LEAN SIX SIGMA BLACK BELT CERTIFICATION

Curriculum

1.LSSBB Overview:

- Lean Six Sigma Black Belt Understanding and Significance
- Continuous Improvement and Continual Improvements
- An assortment of Black Belt Projects
- Lean Management
- Lean concepts in detail
- What is Six Sigma?
- Origination, Features, significance, roles, and responsibilities
- What is a Lean Six Sigma Black Belt?
- Features, significance, roles, and responsibilities
- Difference and approach toward success

2.Define Phase: DMAIC Approach

- Significance and Approach
- Business Hurdles and Requirements
- Rudiments like:
 - Voice of Customer 'VOC'
 - Voice of Business 'VOB'
 - Voice of Process 'VOP'
- Transparency on the above subject
- Exercise to Understand
- Baseline Performance
- Project Charter
- SIPOC approach
- Process Mapping
- Kano Model
- Responsibility Accountability Consulting and Informed 'RACI' matrix
- People Management Project associated Persons, Roles and Responsibilities Project Expectations Scheduling and Deliverables

3.Measure Phase: DMAIC Approach

- Significance and Approach
- Significance of Right measurements
- Prioritization Matrix
- PFMEA: Potential Failure Mode & Effect Analysis
- Data Type
- Stratification
- The measure of Central Tendency & Dispersion
- Measurement System Analysis & Gage R&R
- Data Understanding
- Time Plots/ Run Charts
- Diagrams, Plots & Charts (Control Charts, Frequency Plots, Pareto Diagrams)
- Process Capabilities (Cp, Cpk, Pp, Ppk)
- Binomial Distributions & Poisson Distributions
- Sigma Calculation & Ratings
- Summary

4.Analysis Phase: DMAIC Approach

- Cause & Effect Diagram
- 5 Why Analysis
- Tree Diagram & Affinity Diagram
- Regression
- Multi-Vari Analysis
- Normality Test
- R-squared test
- Hypothesis testing
- Chi-Square Test
- Non-Parametric Test

- Analysis of Variance 'ANOVA'
- Confidence Intervals
- T-Test 'sample 1 & 2'

5.Improve Phase: DMAIC Approach

- Classification & Regression Trees
- Design of Experiments 'DoE'
- 2 level Full Factorial Design
- 3 level Full Factorial Design
- Taguchi Designs
- Orthogonal Designs
- Parameter design

6.Control Phase: DMAIC Approach

- Checklists
- Quality Control plan
- Process Change Management
- Standardization
- Documentation
- Monitoring - Ongoing Project
- Poka-Yoke
- Training Planning & Execution
- Central Limit Theorem
- Charts for control
- Kaizen
- 5 S Principles & Implementation
- Statistical Process Control

Unleash Unlimited Potential

All GSDC certifications come with a lifetime membership, offering you a world of benefits to fuel your professional growth.



Expert Created Learning Material

Learn from knowledge shared by Top Industry Experts with 15+ yrs of experience.



Access to Global Conferences

Be a part of GSDC thriving learning community around the world, sharing knowledge from across the world.



Speaker invites @ GSDC Webinar Series

Share your knowledge with world at GSDC global webinar series, share your expertise and learn from others.



Downloadable Resources

Get access to templates and reference documents which will help you to do your day to day tasks easier.



Certificate Upgrades

Get complimentary certificate upgrades to keep up with the latest updates in processes and frameworks.



Newsletters, blogs with industry insights

Get newsletters, announcements and articles curated by experts direct to your inbox.



AI Based Role Play

Learn to implement applicability of knowledge with real life simulation based games.

What You Get In this Certification Program?

- Engaging digital learning videos
- Exclusive access to Global thought leader sessions & case studies
- Downloadable and implementable resources to support practical application
- Two mock exams with unlimited attempts for comprehensive preparation
- Certification exam voucher with 1-year validity
- Two attempts for certification exam

What our Candidates Saying?

We greatly appreciate the feedback from our program participants on Trustpilot. With an impressive average rating of 4.7 out of 5, their reviews highlight the positive experiences and value they have gained from our program.



Global Skill Development Council - GSDC
 Reviews 178 • Excellent
 4.7 ⓘ
 VERIFIED COMPANY



chandrakaran j
 2 reviews • IN
 Jul 18, 2023
 ★★★★★
I had a experience with GSDC with their...
 I had a experience with GSDC with their SRE course and it was very good. The speakers were very knowledgeable and kept it very interactive. Thanks the GSDC team for this!
 Date of experience: April 13, 2023



Tosin Olaniji
 1 review • NG
 Jul 11, 2023
 ★★★★★
The learning portal was so seamless
 The learning portal was so seamless, and user friendly. The course are so detailed, easy to understand, great lecturers. Safe to say the best learning platform I've used so far. I would recommend learning from GSDC to anyone. You sure will get a value for your money.
 Date of experience: July 08, 2023



Amani
 1 review • AE
 Aug 15, 2023
 ★★★★★
Certified Learning & Development Professional CLDP
 I took the certification course "Certified Learning & Development Professional CLDP" approved by the GSDC - Global Skill Development Council. So grateful to the professional team at the GSDC for this enlightening opportunity; namely, Ruguzeno, for her dedication, responsiveness, and constant support throughout this learning journey. And very special thanks to the amazing trainer and coach Deepak Sharma for the great weekly live sessions which I believe are the highlight of this certification programme. His knowledge, expertise, and outstanding skills have made the course very insightful, engaging, and enjoyable!
 Date of experience: July 21, 2023



Majid
 1 review • IN
 Sep 25, 2023
 ★★★★★
GSDC has been doing a great job in making learners gain knowledge!
 GSDC has been doing a great job in making the learners find right opportunities to gain knowledge for business! These two days were filled with knowledge and insights!
 Date of experience: September 25, 2023



Expert-Led Generative AI: Learn, Connect, Grow



Interactive Learning Experience:

Ask questions, discuss case studies, and receive implementation guidelines directly from expert, enhancing your understanding of complex AI topics



Lifelong Learning Journey:

Enjoy lifetime access to these sessions, ensuring you stay updated with the latest trends and continuously grow your AI expertise



Career-Boosting Network:

Connect with fellow professionals in the field, creating valuable relationships that can propel your career in the world of Generative AI

AI-Based Interview Practice Platform



- Engage With Real Time AI Interview Questions.
- Practice Questions Tailored with Your Expertise.
- Validate your Knowledge of subject Matter.

Capstone Project



- Apply Your Skills in Real World Scenario.
- Learn Methodologies Aligned to Your Expertise.
- Validate Skills and Knowledge Gained through the Certification.
- Showcase Expertise via a Capstone Project.

Enrollment-Options

Option-1

Certified in Lean Six Sigma Black Belt Certification With E-Learning

Fast-track your career by learning a new skill and earning a certificate

- ✓ Access expert videos and weekend 2-hour live sessions every Saturday with lifetime access
- ✓ 1 Certification Program
- ✓ Two Exam Attempts
- ✓ Lifetime Valid Certification
- ✓ E-Learning Library Access
- ✓ Downloadable Resources-Book of Knowledge, Templates
- ✓ GSDC Membership

ENROLL NOW

Option-2

Bundle

**Create your own bundle with
3 certification program**

- ✓ 3 Certification Program
- ✓ Access expert videos and weekend 2-hour live sessions every Saturday with lifetime access
- ✓ Two Exam Attempts
- ✓ Lifetime Valid Certification
- ✓ E-Learning Library Access
- ✓ Downloadable Resources-Book of Knowledge, Templates
- ✓ GSDC Membership

ENROLL NOW

Option-1 Certified in Lean Six Sigma Black Belt Certification with E-Learning

Certified In Lean Six Sigma Black Belt Certification with Digital Learning

Fast-track your career by learning a new skill and earning a certificate

- ✓ E-Learning from Industry Experts
- ✓ 1 Certification Program
- ✓ Two Exam Attempts
- ✓ Lifetime Valid Certification
- ✓ Downloadable Resources



Option-2

Make Your Own Certified in Lean Six Sigma Black Belt Certification Bundle

**Enrich your skills and advance your career with our exclusive bundle.
Get certified in the following:**

- Lean Six Sigma Green Belt Certification
- Certified Agile ITSM Manager
- Certified Agile Scrum Foundation
- Lean Six Sigma Yellow Belt Certification
- Practitioner Certified in Business Analysis

Expand your expertise, design impactful learning experiences, and master your skills.

BUY ANY

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CERTIFICATIONS

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Unlock Workforce Potential Through Skill Validation!

Enroll now with the code **UPSKILL10** To avail 10% discount.

Register Now

100% Money Back Guarantee!

At GSDC, quality is our top priority. Our certification programs are designed to foster professional growth and ensure learning satisfaction. If you do not pass the certification exam after two attempts, we offer a 100% money-back guarantee.

- No Questions Asked*
- 100% Amount Refund*
- No Processing Fees*



Thank You



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