

Black Belt

Green Belt

Yellow Belt

Certified Lean Six Sigma Black Belt CLSSBB





Welcome

The Professional Development Institute® (PDI) is one of the leading international institutions specialized in qualifying and developing professional competencies. It is headquartered in the United Kingdom (UK) and has a proven track record in preparing specialized professionals across vital sectors, including banking, finance, and insurance. PDI is distinguished by offering internationally recognized professional certifications that enhance individual efficiency and strengthen their capabilities in the global workplace

The Lean Six Sigma Black Belt certification equips professionals with advanced skills to lead high-impact improvement projects and drive strategic change within an organization. Black Belts manage cross-functional teams, apply the DMAIC methodology to complex processes, and ensure measurable improvements in quality, efficiency, and customer satisfaction. They play a key leadership role by guiding Green Belts, supporting senior management, and aligning improvement initiatives with business objectives, making them critical drivers of continuous improvement and organizational success.



LEAN
SIX SIGMA

What you will Learn- Key Takeaways

- Lead Teams and focus on Key Processes
- Report results to Champions
- Responsible for DMAIC for key processes that influence customer satisfaction or productivity growth
- Provide support / advice to Champions and executive management



Curriculum



The Course is divided into two parts Lean Management and Six Sigma

Lean Management

- **Competency 1:** Understanding and communicating expected benefits of Lean, history of Lean and applying the knowledge in practice.
- **Competency 2:** Lean Concepts and principles.
- **Competency 3:** Communication skills & Creativity thinking
- **Competency 4:** Creativity thinking and Customer focus.
- **Competency 5:** Visual management and control.
- **Competency 6:** Workplace optimization.
- **Competency 7:** Team based problem solving.
- **Competency 8:** Team based process Improvement.
- **Competency 9:** Lean Tools and techniques.
- **Competency 10:** Implementing Lean approaches.
- **Competency 11:** Stakeholder management.
- **Competency 12:** Workload planning.
- **Competency 13:** Self-review and self-development.
- **Competency 14:** Wastes Elimination and Measurement
- **Competency 15:** LEAN Accounting
- **Competency 16:** Analysis of data.
- **Competency 17:** Lean Transformation and Sustainability.
- **Competency 18:** Presentation and reporting skills. LEAN Case Study: LEAN Tools and Techniques

Curriculum



Six Sigma

- **Competency 1: Understanding and communicating expected benefits of SixSigma, history of SixSigma and applying the knowledge in practice.**
- **Competency 2:** Organizational benefits identification and prioritization.
- **Competency 3:** Change management and Business process improvement.
- **Competency 4:** Interpersonal and Leadership development in self
- **Competency 5:** Change effects on individuals as well as organizational level.
- **Competency 6:** Team leadership skills and Motivating others.
- **Competency 7:** Managing productive time
- **Competency 8:** Process philosophy and Project management.
- **Competency 9:** Data acquisition and Analysis
- **Competency 10:** Numeracy and Decision making
- **Competency 11:** Presentation and reporting skills.
- **Competency 12:** Six Sigma Approach and Methodology
- **Competency 13:** DMAIC & DFSS – Methodology
- **Competency 14:** DMAIC - Define Phase
- **Competency 15:** DMAIC – Measure Phase
- **Competency 16:** DMAIC – Analysis Phase
- **Competency 17:** DMAIC – Improve Phase
- **Competency 18:** DMAIC – Control Phase
- **Competency 19:** Statistical software use.
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Curriculum



- **Competency 20:** Risk analysis and Management
 - **Competency 21:** Sustainability and control.
 - **Competency 22:** Six Sigma - Management System
- SixSigma Case Study:** SixSigma – Based Project Management (Mandatory)

- **Target Audience:**
- Improvement Managers,
- Operational Line Managers,
- Team Managers,
- Project Managers,
- Programme Managers,
- Change Managers,
- Finance Managers,
- IT Managers,
- HR Managers

LEAN
SIX SIGMA

MEASURE

ANALYZE

CONTROL



Further Information

Eligibility Requirements


Applicants must:

- Hold a degree from a recognized educational organization.
- Have professional experience in the field.
- Sit for and pass the certification examination.
- Adhere to the Professional Development Institute (PDI) Code of Ethics.


About Exam:

- MCQ online question paper
- Time :90 Minutes
- Number of Questions : 60
- 1Passing marks is 39 / 60 or 65%

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