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WEEK ONE

WEEK TWO

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WEEK FOUR

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B E Y O N D S M A R T C I T I E S

IASSC CERTIFIED GREEN BELT - ICGB

— OVERVIEW

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KNOWLEDGE IS POWER

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MODULE

6

Certified Lean Six Sigma Green Belt Certification

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IASSC CERTIFIED GREEN BELT - ICGB OVERVIEW

The Certified Lean Six Sigma Green Belt (CLSSGB) certification is a significant credential for professionals interested in improving their understanding of process improvement methodologies. Lean Six Sigma combines Six Sigma's emphasis on quality control and the reduction of variability in processes with Lean manufacturing principles, which emphasize the minimization of waste and the optimization of efficiency.

Learning Objectives

- Introduction
- The Basics of Six Sigma
- Six Sigma and Organizational Goals
- Lean Principles in the Organization
- Design for Six Sigma (DFSS) Methodologies
- **Certified Lean Six Sigma Green Belt Certification**
- Summary and Resources
- ICGB Quiz_Test Your Knowledge!



INTRODUCTION

- The Certified Lean Six Sigma Green Belt (CLSSGB) certification is a credential for professionals seeking to improve their understanding of process improvement methodologies.
- Lean Six Sigma combines Six Sigma's emphasis on quality control and the reduction of variability in processes with Lean manufacturing principles, emphasizing the minimization of waste and the optimization of efficiency.

HISTORICAL CONTEXT +

- Six Sigma was initially devised as a quality improvement strategy at Motorola in the 1980s.
- The Toyota Production System (TPS) in post-World War II Japan is the source of the Lean concept.
- In the late 1990s, the synthesis of these two methodologies into Lean Six Sigma began, leading to widespread adoption across various industries.

Certification Framework

- The Lean Six Sigma Green Belt certification consists of a certification exam and a series of training modules.
- The curriculum focuses on the following critical areas: defining phase, measure phase, analysis phase, improve phase, and control phase.



SKILLS ACQUIRED

- Participants acquire expertise in data interpretation, facilitation and supervision of team-based improvement initiatives, proficiency in Lean tools, and proficiency in Six Sigma methodologies.

Certification Application

- Green Belts can apply their skills in various settings, such as manufacturing, healthcare, finance, and service industries.
- They often participate as team members or leaders in improvement initiatives, collaborating to effect organizational change.



INTERNATIONAL ASSOCIATION FOR SIX SIGMA CERTIFICATION (IASSC)

- IASSC is a professional association committed to the advancement and improvement of standards within the Lean Six Sigma community.
- IASSC provides professionally developed exams that accurately assess an individual's proficiency in accordance with industry standards.
- IASSC will maintain the IASSC Universally Accepted Lean Six Sigma Body of Knowledge, a rigorous code of ethics, and the IASSC Certification to support the community of Certified Professionals and Accredited Organizations.





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