Lean Six Sigma Expert

Why Lean Six Sigma Expert Certifications ?

Lean Six Sigma is all about reducing waste and time from processes.

Major benefits of Lean Six Sigma strategy includes customer satisfaction and cost reduction. It leads to revenue growth and productivity improvements.

Whether it is a manufacturing process or a service process, Lean Six Sigma will help design a faster, less costly process with improved quality.

Audience Profile :

- Engineers / Professionals / Executives who want to understand Six Sigma as a management tool for process and performance improvement at their work place
- Quality and Process Managers, Engineers and Executives who need to gain knowledge of Six Sigma in process / quality improvements
- Production Managers, Production Supervisors and Customer Service Managers

Prerequisites:

- Six Sigma certification is great way to improve your capabilities as a leader in your organization. It helps in renovating your business processes.

Course Overview:

- Lean Six Sigma is all about reducing waste and time from processes.
- Major benefits of Lean Six Sigma strategy includes customer satisfaction and cost reduction. It leads to revenue growth and productivity improvements.
- Whether it is a manufacturing process or a service process, Lean Six Sigma will help design a faster, less costly process with improved quality.
- The Six Sigma certification has three levels as Yellow Belt, Green Belt, and Black Belt.
- Yellow Belt certification is an efficient way to learn the basics of Six Sigma.
- It is ideal for those who lead limited improvement projects.
- Green Belt certification is ideal for those who are part of a Six Sigma Management Team.
- Those who are assisting with data collection and analysis for improvement projects.
- Green Belt training will allow you to implement Lean Six Sigma proficiently.
- Black Belt certification is for team leaders who manage big improvement. It also helps in problem-solving projects.
- At the Black Belt level, you will have a thorough understanding of all aspects of Lean Six Sigma.

In this Learning path

1. **Lean Six Sigma Green Belt**
2. **Lean Six Sigma Yellow Belt**
3. **Lean Six Sigma Black Belt**
4. **Lean Six Sigma Master Black Belt**

Lean Six Sigma Green Belt Outline:

- Lean
- Lean history
- Waste & spaghetti chart
- Lean Culture
- Six sigma
- Why is six sigma
- Six sigma history
- Define Phase
- Define Problem
- Who is the customer?
- VOC (Voice of customer)
- Measure Phase
- Process Discovery (Define all Possible Xs)
- Affinity Diagram
- Analyze Phase
- Introduction
- Improve
- Brainstorming to create solutions.
- Visual management VM
- Control
- Control the process
- Standardization of process

Lean Six Sigma Yellow Belt Outline:

- Lean
- Lean history
- Waste & spaghetti chart
- Six sigma
- Why is six sigma
- Six sigma history
- Define Phase
- Who is the customer?
- VOC (Voice of customer)
- Measure Phase
- Process Discovery (Define all Possible Xs)
- Affinity Diagram
- Measure process capability & sigma level
- Process Capability
- Process Behavior
- Improve
- Brainstorming to create solutions
- Control the process

Training Solutions:

√ Offline Classroom Instructor-Led Training in our labs or onsite Locations.

√ Virtual Instructor-Led Training Via Virtual Video Conferencing Tools.

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■ Return on Training Investment is Guaranteed to boost performance.

Lean Six Sigma Black Belt Oultine:

- Lean
- Lean history
- Waste & spaghetti chart
- Six sigma
- Why is six sigma
- Six sigma history
- Define Phase
- Define Problem
- Who is the customer?
- VOC (Voice of customer)
- Measure Phase
- Process Discovery (Define all Possible Xs)
- Affinity Diagram
- Workshop
- Fishbone Analysis
- Validating measurement system (MSA).
- Introduction
- Sources of Variation
- Accuracy VS Precision
- Analyze Phase
- Introduction
- Inferential statistic
- Central limit theorem (Minitab)
- Improve
- Brainstorming to create solutions.
- Visual management VM
- Control
- Control the process
- Standardization of process

Lean Six Sigma Master Black Belt Outline:

- Strategic Organizational Leadership
- Project Management
- Voice of the Customer
- Gage R&R
- Root Cause Analysis
- Value Streams
- Design of Experiments (DoE)
- Poka Yoke
- Failure Modes and Effects Analysis (FMEA)
- Hoshin Kanri
- Kaizen
- Push vs. Pull
- Statistical Process Control
- Theory of Constraints
- 5S and Visual Controls
- Identifying scope
- Stakeholders and clients
- Project Planning
- Project life cycles
- Work breakdown structures
- Deliverables
- Estimating time and cost
- Resource allocation
- Setting up Gantt charts
- Cause-Effect Diagram
- Corrective Action Plan
- Verification vs. Validation
- The Problem Solving Process
- Examples and Exercises

CLS Learning Solutions

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