SSCX | Public Training

Lean Six Sigma

BLACK BELT

CERTIFICATION

The Ultimate Skill For Continuous Improvement Practitioners

AN IN-DEPTH LEARNING OF LEAN SIX SIGMA:

- **THE LEAN SIX SIGMA PHILOSOPHY, STRATEGY, AND APPROACH**

  For Continuous Improvement at higher level of management

- **ADVANCED LEAN SIX SIGMA TOOLS**

  Including Advance Design of Experiment, Analysis of non-normal data, multiple regeression, advanced control chart, cell design, level loading, design for Six Sigma, response surface method, inventory management, and many more

- **HOW TO USE LEAN SIX SIGMA BASIC AND ADVANCE TOOLS**

- **PROJECT MANAGEMENT FOR SIX SIGMA**

  How to use project plans, work breakdown structure, project reviews, and issue lists to manage

- **LEAN SIX SIGMA PROJECTS ACROSS MULTIPLE DEPARTMENTS**

OBJECTIVE

- How to manage successful Lean Six Sigma deployment at Black Belt level
- How to handle and communicate to key stakeholders
- Provide roadmap, tools, and methodology of Lean Six Sigma using structured DMAIC cycle
- Develop Black Belt skill-set: leading & executing problem solving project, training-coaching, and group facilitation skills.
- Become a data and fact-based problem solver and decision maker in any situation

WHO SHOULD ATTEND

- CI Managers
- Leaders
- Change Agents
- Any employee who assigned as Black Belt candidate to lead and execute Major Improvement Project

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To get more information about SSCX International

www.sscxinternational.com

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TRAINING AGENDA

DAY 1	DAY 2	DAY 3	DAY 4	DAY 5	DAY 6
Organizational Deployment Lean Six Sigma	Voice of Customer and CTQ	Communication Plan	Basic Graphical Tools	Measurement System Analysis	**ANALYZE** Conducting Brainstorming
Accelerating CI Deployment within Organization	Project Chartering	Swim Lane	Probability Distribution (Normal, Binom, Poisson)	MSA for Continuous	Fishbone Diagram, Fault Tree Diagram
Six Sigma Philosophy Lean Principles	SIPOC Chart	Value Stream Mapping	Central Limit Theorem	Data Gage R&R	CNX Classification
BREAK					
LSS Infrastructure	Project Management Team Effectiveness	Data Collection Plan	Control Chart	MSA for Attribute Data	Why-Why Analysis
Project Selection	Communication Plan	Basic Statistics	Process Capability	Process Capability	Failure Mode Effect Analysis
Gate Review		Introduction to Minitab	Assessing Capability	Attribute Agreement Analysis	CE Matrix

DAY 7	DAY 8	DAY 9	DAY 10	DAY 11	DAY 12
Data Analysis: Pareto Chart	Statistics Non Parametric	**IMPROVE** Lean Tools: Value of Speed	Design of Experiment	Generating Solution	Design for Six Sigma
Box, Plot, Histogram	1 Sign, 1 Wilcoxon Mann-Whitney Karuskall Wallis	Generic Pull System	Full Factorial Design	SCAMPER	Quality Function Deployment
Scatter Diagram	Mood Median Friedman Run Test	Replenish Pull System	Response Surface Method	Prioritizing Solution Pilotting	TRIZ Method
BREAK					
Hypothesis Test	Process Approach: Constraint Identification	5S	Central Composite	**CONTROL** Process Control Plan	Coaching Skills
T-Test, Proportion Test	Process Balancing (Balance to Take)	4 Step Rapid Setup	Process Balancing (Balance to Take)	Mistake Proofing Concept	Coaching Project Mechanism
Gate ANOVA	Load Chart	Lean Simulation	Box Behnken	SOP and Documentation	Final Test

REGISTER NOW!

Schedule

Sep 7 - 10, 2026 (Week 1)
Sep 14 - 17, 2026 (Week 2)
Sep 21 - 24, 2026 (Week 3)