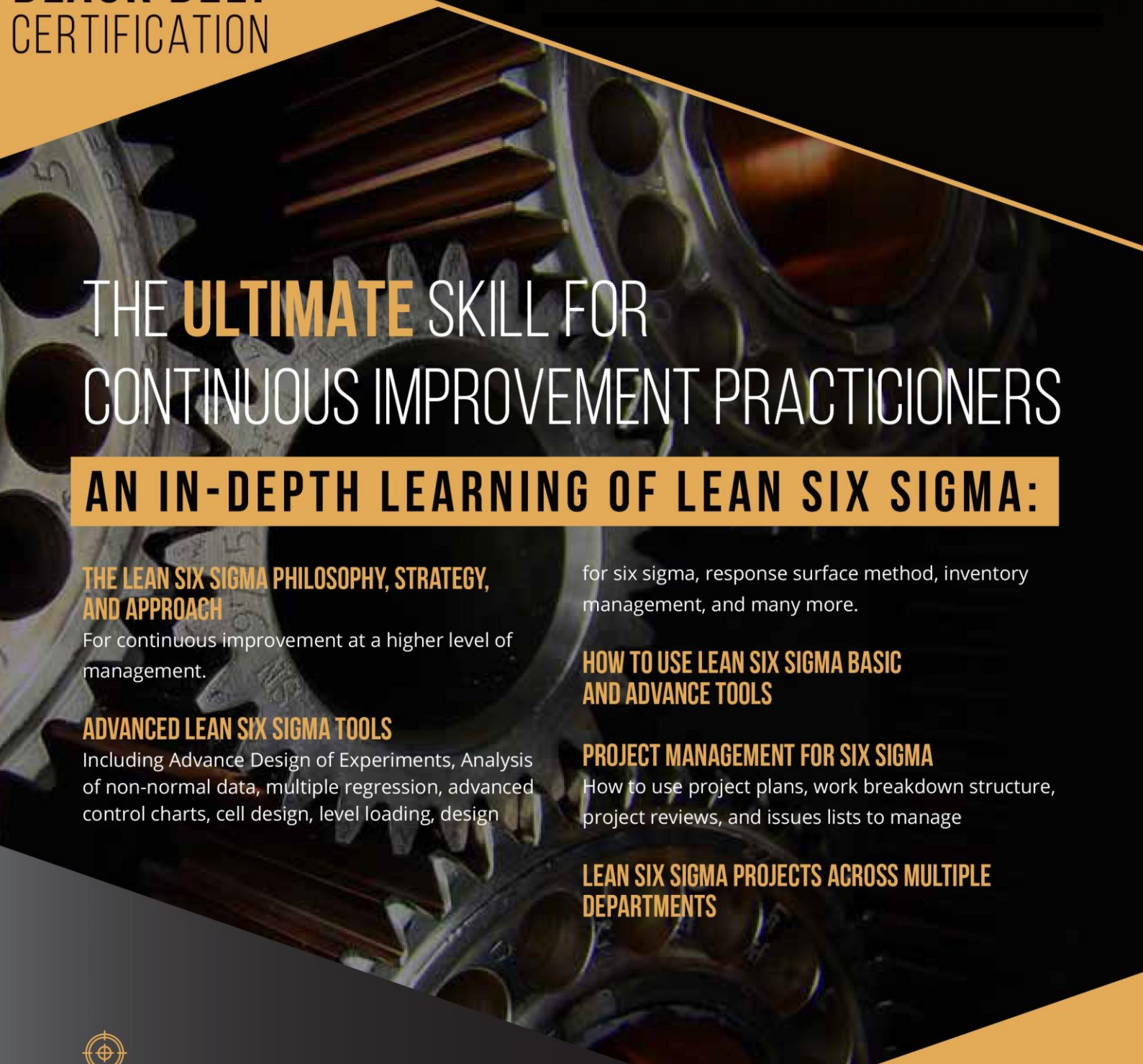
BLACK BELT CERTIFICATION

SSCX PUBLIC TRAINING



THE **ULTIMATE** SKILL FOR CONTINUOUS IMPROVEMENT PRACTICIONERS

AN IN-DEPTH LEARNING OF LEAN SIX SIGMA:

THE LEAN SIX SIGMA PHILOSOPHY, STRATEGY, AND APPROACH

For continuous improvement at a higher level of management.

ADVANCED LEAN SIX SIGMA TOOLS

Including Advance Design of Experiments, Analysis of non-normal data, multiple regression, advanced control charts, 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 issues lists to manage

LEAN SIX SIGMA PROJECTS ACROSS MULTIPLE DEPARTMENTS

OBJECTIVE

How to manage a successful Lean Six Sigma deployment at the Black Belt level

How to handle and communicate to key stakeholders

Provide roadmap, tools, and methodology of Lean Six Sigma using structured DMAIC cycle

Gain deep understanding about the key to project execution through simulation, workshop, case study and project sharing

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

HOW WILL PARTICIPANTS LEARN EFFECTIVELY?

DAY 1	DAY 2	DAY 3	DAY 4	DAY 5	DAY 6
Organizational Deployment Lean Six Sigma	Voice of Customer and CTQ	Process Mapping	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 Data	Fishbone Diagram, Fault Tree Diagram
Six Sigma Philosophy Lean Principles	SIPOC Chart	Value Stream Mapping	Central Limit Theorem	Gage R&R	CNX Classification
		LUNCH 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	Attribute Agreement Analysis	Failure Mode Effect Analysis
Gate Review		Introduction to Minitab	Assessing Capability		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 Experiments	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 Runs Test	Replenish Pull System	Response Surface Method	Prioritizing Solution Pilotting	TRIZ Method
		LUNCH 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	Box Behnken	Mistake Proofing Concept	Coaching Project Mechanism
ANOVA	Load Chart	Lean Simulation		SOP and Documentation	Final Test

WHO SHOULD ATTEND?

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

WHEN?

3 & 6 - 8 Mei '24 (Week 1)
20 - 22 Mei '24 (Week 2)
27 - 31 Mei '24 (Week 3)

REGISTER NOW!

Information and Registration:

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