

LEAN SIX SIGMA GREEN BELT

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OBJECTIVES

Lean Six Sigma Green Belt is a certification that demonstrates an individual's proficiency in the Lean Six Sigma methodology, which combines Lean principles and Six Sigma techniques to improve processes, reduce waste, and enhance quality.

Lean Six Sigma Green Belt certification is valuable for professionals in various industries seeking to enhance their process improvement skills and contribute to organizational efficiency and effectiveness.

COURSE FORMAT

Materials in this course are presented with real-world examples in a variety of formats to appeal to a range of different learning styles. We utilize hands-on activities, videos, games and review examples from companies in a wide variety of industries..

At the conclusion of this 40 hour course, you will be able to immediately utilize the knowledge, tools and techniques that you were taught in class to solve problems using data driven root cause analysis.

IN THIS SESSION YOU WILL LEARN:

- Definitions of Lean and Six Sigma
- Detailed review of the Define, Measure, Analyze, Improve and Control (DMAIC) model & associated tools/techniques for each step
- Identification of a project
- Creation of a measurable problem statement
- Understanding value
- Project scope, metrics, documentation, risks and project closure
- Team Stages and Dynamics
- Data driven decision making and root cause analysis
- Visualizing your data
- Benchmarking
- Brainstorming
- The power of standard work



TOOLS YOU WILL LEARN

- 8 Wastes
- 5S
- Kanban
- Standard Work
- Poke Yoke
- Spaghetti Diagram
- SMED
- PDCA
- Theory of Constraints
- Value Stream Mapping
- Visual Management
- Cellular layout
- Scatter Plot
- Control Charts
- Cp, Cpk
- Hypothesis testing
- QFD
- DOE
- Hiejunka
- NGT
- Takt time
- OEE
- DFSS
- FMEA
- RACI
- SIPOC
- 5 Whys
- Batch vs One Piece Flow
- Mind Map
- Affinity diagram
- Fishbone diagram
- DPU/DPO/DPMO
- Histogram
- Pareto
- MSA
- CTQ
- SWOT
- Jidoka
- Control Plan
- TPM

INSTRUCTOR PROFILE:



KATIE LABEDZ

President/CEO Learning to Lean

Katie is a Lean Six Sigma Master Black Belt, certified Project Management Professional (PMP), instructional designer and emotional intelligence coach. She has over 20 years experience in Lean Six Sigma and project management across all industries (manufacturing, IT, HR, banking, agriculture, healthcare, finance, legal services)