

CSSGB CERTIFIED SIX SIGMA GREEN BELT

I. Overview:

Six Sigma and the Organization

- a) Six sigma and organizational goals
- b) Lean principles in the organization
- c) Design for six sigma (DFSS) methodologies

II. Define Phase

- a) Project identification
- b) Voice of the customer (VOC)
- c) Project management basics
- d) Management and planning tools
- e) Business results for projects
- f) Team dynamics and performance

III. Measure Phase

- a) Process analysis and documentation
- b) Probability and Statistics
- c) Statistical distributions
- d) Collecting and summarizing data
- e) Measurement system analysis (MSA)
- f) Process and performance capability

IV. Analyze Phase

- a) Exploratory data analysis
- b) Hypothesis testing

V. Improve Phase

- a) Design of experiments (DOE)
- b) Root cause analysis
- c) Lean Tools

VI. Control Phase

- a) Statistical process control (SPC)
- b) Control plan
- c) Lean tools for process control

