Lean Six Sigma Green Belt

About the Course

The Lean Six Sigma Green Belt course utilizes the principles and methods of Lean Six Sigma to teach a problem-solving tool set that is appropriate for the individual, teams, or organizations who are not seeking certifications but could greatly benefit from the analytical tools and methods used in Six Sigma.

LEARNING OBJECTIVES

The overarching learning objective of the Lean Six Sigma Green Belt, Light course is to develop a comprehensive set of skills that will allow you to function effectively as a Lean Six Sigma Green Belt. The Lean Six Sigma Green Belt body of knowledge includes techniques for both quantitative and nonquantitative analysis, as well as the team leadership skills necessary to get projects across the goal line.

After completing this course, you should be able to DO the following:

1. Apply the PDSA method and select LSS tools in a simulated case study project

2. Pass a post-test.

Measure of Success: Post-test

I. LSS Origins and Introduction

A Intro to Lean

1 Waste

Understand

2 Types of Waste

Apply

3 Value Stream Analysis

Apply
B  Intro to Six Sigma  Understand
   1  Voice of the Customer  Apply
   2  Voice of the Process  Apply
   3  Process Capability  Understand
C  Intro to Lean Six Sigma  Understand
   1  LSS Problem-solving  Apply
   2  LSS Belt Hierarchy  Understand
   3  LSS Tool Selection  Apply
   4  The DMAIC Roadmap  Apply

II.  PDSA
A  Lean Concepts  Apply
   1  Gemba
   2  Value Analysis  Apply
   3  Lean Data Collection  Apply
   4  The Ideal State  Apply
   5  Lean Cultural Transformation  Understand
B  PDSA Problem-solving  Apply
   1  Definition of PDSA
   2  PDSA Cycle  Apply
   3  A3 Template  Apply
   4  Scope  Apply
   5  Steps to Complete  Apply
   6  PDSA Tools  Apply
C  Plan  Apply
   1  Problem Statement/Current Condition
   2  Process Map  Apply
   3  Pareto Analysis  Apply
   4  Spaghetti Diagram  Apply
   5  Run Chart  Apply
   6  Scatter Plot  Apply
   7  5 Whys  Apply
   8  Fishbone Diagram  Apply
   9  Elementary Statistics  Apply
D  Do  Apply
   1  SMART Metrics
   2  Aim Statement/Target Condition  Apply
   3  Focusing Matrix  Apply
   4  5S  Apply
   5  Visual Controls  Apply
E  Study  Apply
   1  Test of Change
   2  Standard Work  Apply
F  Act  Apply
   1  Assessment
   2  Follow-up  Apply

III.  Completing the A3 Template  Apply
Benefits of Lean Six Sigma Green Belt

- There are no complicated statistics
- Tools are simple and can be completed by hand in a few minutes
- Projects are completed in days or weeks rather than months or years
- Best of all, while the tool set can stand alone, solving problems and contributing to operational excellence and the bottom line, it forms a foundation upon which for more advanced process improvement tools and methods can be added later on

Who Should Attend

This course is designed for individuals from various organizational departments including finance, logistics, quality, HR, production, engineering and staff operations. Process owners or leaders that would benefit from the tools but do not need the full Green Belt training program.

This course is 24 hours long. No prerequisites as this is not a certification tract. Fee $749

About the Instructor

Vickie is a Lean Six Sigma Master Black Belt and has been applying Six Sigma to healthcare processes since 1996 and, while healthcare is her specialty, she has experience in a wide range of manufacturing and service industries, with military and civilian organizations, in the US and abroad. Her expertise extends beyond Lean Six Sigma to include Theory of Constraints, TRIZ, and Change Management. A registered nurse with more than twenty years of clinical experience, Vickie earned her BSN from Southwestern College where she graduated valedictorian in 1988 and a MSN/HCSM from Loyola University, New Orleans. She has achieved multiple specialty certifications including CPHQ and COHN-S. Vickie served as Director of Commercial Healthcare and MBB for Military Healthcare for NOVACES, LLC, a leading international provider of SystemCPI consulting services. As a NOVACES consultant, Vickie provided expertise and leadership to develop and guide CPI deployment strategies, lead complex, enterprise-level projects and events, develop and provide LSS training and mentoring services. As Quality Leader for General Electric Corporate Healthcare and Medical Programs, she developed and deployed a balanced scorecard and drove quality, compliance, cost, and productivity initiatives across GE’s global clinic network. Other experience including Environmental Health and Safety and Occupational Health management, clinical and leadership roles in primary care and specialty clinics and medical centers, and as an educator in the clinic and college classroom provide a blend of expertise and experience that have allowed Vickie the privilege to pursue her passion
and, for more than 30 years, to lead clinical, business, and military teams, receiving multiple academic and professional awards. She is a co-author of ‘Performance Improvement for Healthcare: Leading Change with Lean, Six Sigma, and Constraints Management’ published in 2012. Vickie has published numerous quality-related articles and presented at national and international venues.