SSD Global Solutions

Lean Six Sigma Green Belt/Black Belt Combo Workshop

For students who meet qualifications it is possible to take LSS Green Belt and LSS Black Belt training during the same week. This workshop utilizes three phases: Phase One is the classroom training. Phase Two is the customized independent study program and on-line assessment designed to reinforce Phase One learning principles. Phase Three is the practical application phase where students complete two projects and an article or white paper with the assistance of their on-line mentor. Our accelerated workshops allow students to complete their LSS Certification faster than traditional programs to because of our copyrighted Leaner Six Sigma (LrSS)© methodology.

PHASE ONE – INSTRUCTOR-LED WORKSHOP OR ON-LINE LIVE PRESENTATIONS

Day One - Highlights

- Orientation/Program Expectations
- Principles of Process Improvement
- A Comprehensive Overview of Lean Six Sigma
- Introduction to the DMAIC Model
- Applying LSS to ISO, CMM and TQM
- Identifying and Eliminating Speed Bumps/Waste
- Introduction to PDCA Process

Day Two - Highlights

- DMAIC Model Explored
- Statistical Theory
- Agile Project Management Used in Lean Six Sigma
- Benchmarking and Metrics
- Process Capability
- Variation Analysis
- Gage R&R
- Scorecards
- Analytical Problem Solving

- Lean and Six Tools

Day Three – Highlights

- International Standards and Global Guideline/ ISO 13053
- DFSS (Design for Six Sigma)
- TOC (Theory of Constraints)
- Basic Statistical Tools
- Statistical Software
- SPC Patterns/Interpretation
- Project Selection and Application
- Practical Application

Day Four Highlights – Project Management

- The 3 Bodies of Knowledge in Project Management
- Principles of Process Improvement
- How Traditional Project Management Differs from Lean and/or Agile Management
- Identifying and Eliminating Speed Bumps/Waste
- Introduction to PDCA Process
- Introduction to the New Composite PLC Model

Day Five Highlights – Lean & Agile Applied to Project Management

- Leadership Tools
- Agile Primer
- Lean Primer
- Traditional Project Managements
- Tools that May Be Used in Various Stages of the PLC
- Process Capability
- Analytical Problem Solving
- Project Tracking
- Project Management

PHASE II

On-line exercises and assignments intended to increase the understanding of Phase I. This is followed by on-line testing. If the student passes the test by more than 75% they automatically advance to Phase III.

PHASE III

Students are assigned a personal on-line mentor.

Students submit two project charters (charter). The project charters must have an existing process that needs to be made better, faster or more-cost effective. These charters should reflect projected ROI and completion date. Black Belts candidates may use one project from a previous assignment if it follows the DMAIC. Students are mentored through this process.

When their post instructor/mentor approves the report, it is submitted to a committee for final review. Accepted reports must include an actual ROI. ROI is described as how much the project made or saved or avoided spending.

Throughout the process the student may be requested to make revisions to the charter or report.

Templates for the charter and project along with various other templates are available on the student page.