



Lean Six Sigma White Belt

Onsite or Virtual – 1 Day or 8 Hours

Course can be delivered in one 8-hr session or two 4-hour sessions

6-10 People

Training Description:

The Lean Six Sigma White Belt Training program combines the proven methods of Lean with the power of Six Sigma to allow participants to solve difficult problems within a business. The curriculum is based upon the structured DMAIC approach pioneered by Motorola and successfully utilized by companies from small to large.

Speed and quality are no longer business trade-offs or nice-to-haves. Efficiently delivering on-time, high-quality products and services to an increasingly discerning customer base is necessary for survival. In order to grow, organizations must be good at problem solving, agile at identifying and leveraging opportunities and adept at surmounting challenges. Lean Six Sigma is an invaluable means to those ends.

This course is intended as an introduction to Lean Six Sigma and is targeted for individuals looking to gain a clear grasp and knowledge of Lean and Six Sigma and requires no prior statistical background. LSS White Belt is an excellent foundation course for all employees to understand the DMAIC problem solving methodology and is suggested for all LSS team members and their leaders.

Training Objectives

Lean Six Sigma White Belts will

- Acquire a basic understanding of both Lean and Six Sigma methods and tools with easy to understand statistics.
- Obtain knowledge about the DMAIC improvement process and their role as a team member or leader overseeing Lean Six Sigma projects.
- Understand specific DMAIC processes including how to Define, Measure, Analyze, Improve and Control
- Understand the roadmap of how to reduce/eliminate waste and reduce process variability. Both with a focus on understanding and improving customer
- satisfaction.

Skill Attainment

Upon completion participants will learn terminology and tools to help them be better Lean Six Sigma (LSS) team members and/or leaders of LSS team members. These skills include:

- Introduction and Fundamentals of Lean Six Sigma problem solving methodology – DMAIC
- Project and process definition
- Fundamentals of data collection both internal and external
- Introduction to basic Lean tools including waste, 5S and Kaizen
- Metrics, graphical techniques and basic statistics



Topics included in this course are:

PART ONE

- What is Six Sigma
- History of Six Sigma
- Six Sigma Approach
- DMAIC Roadmap
- Defining a Process
- Voice of the Customer
- Cost of Poor Quality
- Project Teams

PART TWO

- Lean & Six Sigma
- History of Lean
- The Eight Wastes
- Five S
- Kaizen Methodology
- Metrics
- Process and Value Stream Mapping
- Graphical Techniques
- Basic Statistics