

Six Sigma White Belt

Length: One Day

Summary: This course provides an introduction to the philosophy and core tools of Lean & Six Sigma. It is suitable for anyone who is considering, or who has recently commenced a Lean or Six Sigma business improvement initiative.

On this one-day Lean Six Sigma White Belt course, participants will learn about Six Sigma, Lean principles and the practical application of the core methods and tools used 80% of the time. Delegates may choose to go on to complete the Yellow or Green Belt courses afterwards.

Objectives:

- An overall understanding of the core concepts, tools, and principles of Lean.
- An overall understanding of the Six Sigma philosophy, the DMAIC methodology and the tools and techniques used in Six Sigma.
- An understanding of the similarities, differences, and practical applications of both Six Sigma and Lean approaches in multiple industry domains ranging from administrative services, financial, hospital, government, and manufacturing sectors.
- Some initial criteria and guidelines for selecting, reviewing, and evaluating Lean Six Sigma projects.
- A fundamental understanding of how these management philosophies can be applied to deliver an effective continuous improvement program to increase customer value and reduce waste and variation in ANY business.

Course Content

WASTE AND VALUE

- What is Lean?
- Types of *muda*
- Thinking Lean
- What is value?
- What is a value stream?
- Value added and non-value added activities

VALUE STREAMS, FLOW, PUSH AND PULL

- Value stream mapping
 - Takt time
 - Spaghetti diagrams
 - Making value flow at the pull of the customer
 - 5S
 - Constraint (bottleneck) management
 - Level loading
 - Flexible processes
 - Lot size reduction
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PERFECTION

- Continuous improvement towards perfection
- KAIZEN philosophy
- A strategic perspective of Lean
- A tactical perspective of Lean
- Elements of Lean production
- Six Sigma and Lean

AN OVERVIEW OF SIX SIGMA

- What is Six Sigma? Six Sigma as a metric, a methodology and a philosophy
 - DMAIC
 - DMAIC Case Study
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