



IEE Lean Yellow Belt Curriculum Content

Project Define

- Improved project definition statements
- Collecting Voice of the Customer
- Supplier-Input-Process-Output-Customer (SIPOC)

Project Measure

- Identification of quick fix (low hanging fruit) issues
- Process baseline performance
 - Individuals control charting
 - Capability/performance with predictability assessments
- Lean assessment tools
 - Value stream map
 - Spaghetti diagrams
 - Combination work charts
 - Work flow analysis
 - Physical flow maps
 - General lean concepts
 - Value added/ non-value added analysis
 - Time value mapping
 - Logic flow diagrams
 - Takt time analysis
 - Batch size analysis
- Theory of constraints analysis
- Wisdom of the organization
 - Process mapping
 - Brainstorming
 - Why-Why diagrams (fault tree diagrams)
 - Nominal voting methods
 - Prioritization matrices (cause and effect matrix)

Project Analyze Phase

Project Improve Phase

- Current state and future state value stream map
- Lean improvement tools
 - 5S (sort, straighten, shine, standardize, sustain)
 - Continuous flow
 - Poke-yoke (mistake proofing)
 - Load leveling
- Kaizen event

Project Control Phase

- Demonstrating the improvement

The Lean concepts are presented in a project DMAIC (Define, Measure, Analyze, Improve, Control) model which is used in the course to ensure an alignment with other Lean Six Sigma efforts within your organization.