

## Lean Six Sigma Yellow Belt Course Content and Outline

### Introduction:

- Introduction
- Higher Standards for Higher Performance
- Lean Six Sigma Defined
- What's In a Name?
- Success Stories
- Input Determines Output
- The 99.9% Problem
- The Sigma Level
- Calculating the Sigma Level - Toolset
- DNA of a Champion
- Lean Six Sigma Framework
- Focus on the Customer
- DMAIC - The Lean Six Sigma Improvement Process
- Lean and DMAIC
- Organizing for Success
- Working Relationships
- Exercises and Quiz

### Tools to Define:

- Project Charter
- SESSION 2 - Introduction
- Project Charter Toolset
- Process Thinking
- The Source of Value
- Value Stream Leverage
- Process Mapping - Overview
- Process Mapping (SIPOC) Map
- Flow Charts
- Value-Added Flow Charts
- Spaghetti Charts
- Value Stream Mapping Toolset
- Capturing The Voice Of The Customer
- Where to Go For Customer Requirements
- Affinity Diagram Toolset
- CTQC Tree Diagram Toolset
- Voice Of The Customer As Specifications
- Session 2 Skill Check

### Tools to Measure:

- SESSION 3 - Measure
- Measurement & Metrics
- Measurement As A Process
- Baseline Performance
- Trend Chart Toolset
- Histogram Toolset
- Quantifying Process Variability
- SPC - Introduction and Background
- X and Moving Range Charts - Toolset
- Pareto Chart Toolset
- Session 3 Skill Check

### Tools to Analyze:

- SESSION 4 - Introduction
- Cause & Effect Diagram Toolset
- 5-Why, 1-How
- FMEA Toolset
- Scatter Plot Toolset
- Correlation and Regression Analysis
- Session 4 Skill Check

### Tools to Improve:

- SESSION 5 - Introduction
- Brainstorming
- Benchmarking
- Continuous Flow Toolset
- Quick Changeover Toolset
- Pull Scheduling
- Error-proofing
- Prioritizing and Selecting a Solution
- Piloting a Solution
- Session 5 Skill Check

### Tools to Control:

- SESSION 6 - Introduction
- Control Charts Revisited
- 5-S Approach
- Visual Control
- Control Plan
- TPM Objectives & Benefits



## Lean Six Sigma Yellow Belt

### Quality Management

- **Standardized Work - Documenting Process Changes**
- **Session 6 Skill Check**
- **Course Completion**