

# Yellow Belt Course Content and Outline

## Introduction:

- What is Six Sigma? Input/Output (X and Y) Relationship
- Defects Per Million Opportunities Metric (DPMO)
- Success Stories
- Six Sigma History
- D-M-A-I-C Process
- Calculating the Sigma Level
- Six Sigma Organizational Structure
- Role of the Black Belt
- Thought Process Mapping
- Six Sigma and Lean Enterprise
- Exercises and Quiz

## Tools for Improvement - Define and Measure:

- Project Charter
- Process Mapping
- Affinity Diagram
- CTQC Tree Diagram
- Types of Measurement
- Histograms
- Trend Charts
- SPC - X and Moving Range Charts
- Pareto Charts
- Exercises and Quiz

## Tools for Improvement - Analyze, Improve, and Control:

- Cause and Effect Diagram
- 5 Why, 1 How
- Scatter Plots
- FMEA
- Brainstorming
- Piloting a Solution
- Control Plans
- Documenting Process Changes
- Exercises and Quiz

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