

**Soft-Train**



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Technology Works*

# A Six Sigma Approach to Achieving Project Management Quality (3 Days)

**COURSE GOAL:** Ensure project success and customer satisfaction by building quality into projects.

**PREREQUISITES:** None

**LEARNING OBJECTIVES:**

Upon completion of this course the student will be able to:

- Control project scope, resources and performance
- Learn how to apply Six Sigma tools to project processes
- Eliminate process deficiencies for increased productivity
- Achieve greater efficiency for faster, better project execution

## KEY TOPICS:

### I. Planning

- A. Develop the Project Charter
- B. Conduct a Feasibility Analysis
- C. The Project Plan
- D. Project Control Sub Plans
- E. Project Schedule Management
- F. Scope Change Control Plan

### II. Define

- A. What is the current state?
- B. Failure Mode and Effect Analysis (FMEA)
- C. Process Metrics

### III. Measure

- A. Measurement Reliability and Validity
- B. Attribute Measurement Analysis

### IV. Analyze

- A. Quantify the Current Process
- B. Quantify the Capability of the Current Process

### V. Improve

- A. Optimize the Process
- B. What will the Future State be?
- C. What are the Best Practices?
- D. Create a Future State Process Map

## **VI. Control**

**A. Control Failure Mode and Effect Analysis (FMEA)**

## **VII. A Tutorial on Project Selection and Management**

**A. Choosing the Right Projects**

**B. Analyzing Project Candidates**

**C. Tracking Six Sigma Results**