

VALUE ANALYSIS AND VALUE ENGINEERING

eLearning courses designed to increase productivity and profits

Value Methodology



Identify Improvement Opportunities



Develop Alternative Proposals



Preserve Functions



Product



Process



System



Service



Facility

Learning made Simple, Visual, and Interactive

The purpose of this course is to educate employees on the concepts and principles of the Value Methodology, and to equip them to productively participate in a value study.

Credit Hours **2**

Learning Objectives

- Learn the principles and practices of the Value Methodology process.
- Understand the value methodology process and learn to think about products and processes in terms of functions.
- Identify and classify functions.
- Construct FAST diagrams.
- Learn to prioritize ideas using ranking matrices.

Table of Contents

I. Value Methodology Concepts

- Value Methodology Terminology
 - o Value
 - o Function
- Value Methodology Phases

II. Value Methodology Process

- Preparation Phase
- Information Phase
- Function Phase
 - o Function Identification
 - o Function Classification
 - Scope Lines
 - Higher Order Function
 - Function Logic Path
 - Lower Order Function
 - FAST Diagram
 - o Function Prioritization
 - Steps 1 - 7
- Creativity Phase
- Evaluation Phase
- Development Phase
- Presentation Phase
- Implementation Phase

III. Case Study

- Pre-Function Phases
- Function Phase
 - o Function Identification
 - o Function Classification
 - o Function Prioritization
- Post-Function Phases

