

## VALUE METHODOLOGY VALUE ANALYSIS & VALUE ENGINEERING



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# VALUE METHODOLOGY

## VALUE ANALYSIS & VALUE ENGINEERING

### Course Description

The course defines Value Analysis and Value Engineering and defines the steps required to implement a value analysis / value engineering program for your company

### Learning Objectives

- ✦ Understand the basics of VAVE
- ✦ Understand the Difference between VA & VE
- ✦ Understand the Value Theory
- ✦ Understand the VAVE Structure & VAVE Steps
- ✦ Understand the function Analysis through FAST Diagram
- ✦ Understand the Cost Analysis through Should Cost
- ✦ Understand the Function and Value relationship Diagram
- ✦ Understand the new Idea generation by benchmark/best practices

### Course Outline

- ✦ Introductions
- ✦ VAVE Overview –5W + 1H approach
- ✦ VAVE –linkages with other core tools
- ✦ Value Theory
- ✦ Function Analysis -FAST
- ✦ Cost Analysis –Should Cost
- ✦ Function & Cost relationship matrix
- ✦ Generate new bench mark /best practice ideas
- ✦ Evaluate New Alternates
- ✦ Group Exercise of each VAVE steps

### Who Should Attend

Engineers cost estimators and managers that have responsibility to review and improve material costs

- ✦ Sales & Marketing
- ✦ Project Management
- ✦ R&D Team
- ✦ Product Team (Design & Application)
- ✦ Process Team (Operation,Manufacturing)
- ✦ Warranty Team
- ✦ Product Quality Team
- ✦ Process Quality Team
- ✦ Purchase (SCM)

### Prerequisites

Students should have a basic understanding of the products that their firm manufactures, and how they are processed.

- ✦ Introduction to Value Management
- ✦ Information gathering
- ✦ Analysis of function-cost relationship
- ✦ Idea generation
- ✦ Evaluation of Ideas
- ✦ Development of Implementation Plans
- ✦ Reporting
- ✦ Management of Implementation plan

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