

CERTIFIED VALUE ENGINEERING

"Maximize Function, Minimize Cost — Master Value Engineering Techniques to Drive Innovation and Efficiency."

Schedule

Venue (InHouse)	Fees
At Your Organization Premises	Ask For The Quotation

► **Available delivery methods:** Face-to-Face & Online Training, In-House Training

Introduction

The Certified Value Engineering course is a structured, function-based methodology designed to improve the value of a product, project, or process by analyzing its functions and optimizing cost-effectiveness without compromising performance. This course provides professionals with hands-on training in the principles, tools, and techniques of value engineering (VE), in line with international standards such as SAVE International and ISO 15686.

Participants will gain the expertise to conduct value studies, lead cross-functional teams, and deliver innovative solutions across various industries.

Objectives

By the end of the course, participants will be able to:

- Understand the fundamentals and phases of the Value Engineering Job Plan
- Identify and evaluate key functions of products/processes
- Develop creative alternatives for improving value and reducing cost
- Conduct and manage value studies using a systematic approach
- Apply VE in construction, manufacturing, services, and government projects

Why Attend

This certification provides professionals with recognized skills to lead or contribute to value improvement projects. Whether applied to products, projects, or processes, VE enables smarter design, efficient operations, and cost-effective solutions.

Target Audience

- Engineers (Civil, Mechanical, Electrical, Industrial)
- Project Managers and Cost Engineers
- Procurement and Contract Managers
- Construction Professionals
- Public Sector Engineers and Infrastructure Planners
- Anyone involved in performance optimization and cost reduction

Individual Benefits

- Gain an internationally recognized VE certification
- Learn structured methods for analyzing and improving value
- Enhance your innovation, teamwork, and cost-reduction skills
- Position yourself for roles in engineering, design, and project leadership

Organizational Benefits

- Reduce project and product costs without sacrificing quality
- Improve operational efficiency and team collaboration
- Strengthen procurement, budgeting, and design decision-making
- Align engineering practices with global VE best standards

Instructional Methodology

- Interactive lectures and real-life case studies
- Team-based function analysis and brainstorming sessions
- Value methodology simulations and tools (FAST diagrams, LCC)
- Group projects and workshop-style facilitation

Course Outline

DETAILED 5-DAY COURSE OUTLINE (CUSTOMIZABLE)

Day 1: Introduction to Value Engineering

- Module 1: Overview of Value Engineering & History (07:30 – 09:30)
- Module 2: Core Concepts: Function, Cost, Worth, Value (09:45 – 11:15)
- Module 3: The Value Engineering Job Plan: 6 Phases (11:30 – 01:00)
- Module 4: VE in Construction, Manufacturing, and Services (02:00 – 03:30)

Day 2: Function Analysis & Team Dynamics

- Module 1: Defining Functions – Verb-Noun Format (07:30 – 09:30)
- Module 2: Function Analysis System Technique (FAST) Diagrams (09:45 – 11:15)
- Module 3: Organizing a VE Team and Facilitating Sessions (11:30 – 01:00)
- Module 4: Workshop: Conducting Function Analysis (02:00 – 03:30)

Day 3: Creative Phase & Evaluation Phase

- Module 1: Brainstorming and Idea Generation Techniques (07:30 – 09:30)
- Module 2: Creative Thinking Tools for Function Improvement (09:45 – 11:15)
- Module 3: Screening & Evaluation of Alternatives (11:30 – 01:00)
- Module 4: Case Study Analysis & Team Presentations (02:00 – 03:30)

Day 4: Development & Presentation Phase

- Module 1: Cost Analysis & Life Cycle Costing (LCC) (07:30 – 09:30)
- Module 2: Risk Assessment & Technical Feasibility (09:45 – 11:15)
- Module 3: Developing Recommendations & Cost Models (11:30 – 01:00)
- Module 4: Preparing Final VE Reports & Presentations (02:00 – 03:30)

Day 5: Implementation & Certification Exam

- Module 1: Implementation Planning & Overcoming Barriers (07:30 – 09:30)
- Module 2: Performance Metrics & Post-VE Follow-up (09:45 – 11:15)
- Module 3: Final Group Value Study Presentation (11:30 – 01:00)
- Module 4: Certification Assessment and Wrap-Up (02:00 – 03:30)

Certification

Participants who complete the training and pass the final evaluation will receive the Certified Value Engineering certificate. This course prepares professionals for further credentials such as Certified Value Specialist (CVS) or Associate Value Specialist (AVS) under SAVE International or equivalent bodies.

Why Choose MAWA Events

- **Global Expertise:** More than 17 years of experience in professional training and consulting.
- **Industry-Leading Faculty:** Courses delivered by seasoned professionals with hands-on experience.
- **Practical Insights:** Learn to turn theory into actionable strategies for real-world business impact.
- **Client-Focused Solutions:** Customized programs designed to achieve your organisation’s unique goals.

<p>In-House / Customized Training</p> <p>Interested in running this course for your team?</p> <p>Please contact us:</p>	<p>TEL:</p> <p>+601116373203</p>	<p>EMAIL:</p> <p>info@mawaevents.net</p>
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MAWA EVENTS

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