MAWA EVENTS

Address: No. 857, Block A2. Leisure Commerce Square - No 9., 46150 Petaling Jaya, Selangor, Malaysia

Phone: +601116373203 | **Email:** info@mawaevents.net

VALUE ENGINEERING - COST REDUCTION AND QUALITY IMPROVEMENT

الهندسة القيمية تقنيات تخفيض التكلفة ورفع جودة الأداء –

“Maximize Project Value Through Strategic Cost Optimization”

Schedule

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

► **Available delivery methods:** In-House Training

Introduction

Value Engineering (VE) is a structured methodology aimed at improving the \"value\" of a project, product, or process by analyzing its functions and optimizing performance relative to cost. This course introduces participants to VE tools and techniques to systematically reduce unnecessary expenses without compromising quality, safety, or performance. The training combines theory with hands-on exercises using real-world case studies.

Objectives

Participants will be able to:

- Understand the principles and phases of value engineering
- Apply function analysis techniques for identifying unnecessary costs
- Facilitate VE workshops and brainstorming sessions
- Improve designs and processes to enhance value
- Integrate VE into project planning and procurement

MAWA EVENTS

Address: No. 857, Block A2. Leisure Commerce Square - No 9., 46150 Petaling Jaya, Selangor, Malaysia

Phone: +601116373203 | **Email:** info@mawaevents.net

Why Attend

- Learn structured methods to reduce costs effectively
- Improve functional performance while maintaining quality
- Align design, procurement, and construction with value goals
- Gain a competitive edge in cost-conscious project environments

Target Audience

- Project Managers and Engineers
- Procurement and Cost Control Officers
- Quality Assurance/Quality Control Professionals
- Architects, Designers, and Construction Consultants
- Government & private sector stakeholders

Individual Benefits

- Gain in-demand VE facilitation skills
- Enhance problem-solving and cost optimization abilities
- Improve project performance and reduce waste
- Increase effectiveness in planning and decision-making

Organizational Benefits

- Achieve cost savings without sacrificing performance
- Improve interdepartmental collaboration and design reviews
- Implement sustainable value-driven solutions
- Reduce project lifecycle costs and increase stakeholder satisfaction

Instructional Methodology

- Interactive lectures and guided discussions
- Case study analysis and VE workshop simulations
- Group brainstorming and function analysis activities
- Real-world project application exercises
- Action planning and implementation strategies

MAWA EVENTS

Address: No. 857, Block A2. Leisure Commerce Square - No 9., 46150 Petaling Jaya, Selangor, Malaysia

Phone: +601116373203 | **Email:** info@mawaevents.net

Course Outline

DETAILED 5-DAY COURSE OUTLINE (Customizable) Training Hours: 07:30 AM – 03:30 PM Daily Format: 3–4 Modules | Coffee breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 – 02:00

Day 1: Introduction to Value Engineering

- Module 1: What is Value Engineering? Concepts and Benefits
- Module 2: Historical Background & Value vs. Cost
- Module 3: Phases of Value Methodology (Information, Function Analysis, etc.)

Day 2: Function Analysis in VE

- Module 4: Identifying and Classifying Functions (Basic vs. Secondary)
- Module 5: Function Cost-Worth Analysis
- Module 6: FAST Diagramming Techniques (Function Analysis System Technique)

Day 3: Creative and Evaluation Phases

- Module 7: Brainstorming Techniques for Cost Reduction
- Module 8: Evaluation Criteria and Ranking Alternatives
- Module 9: Case Study: Applying VE to a Building Project

Day 4: Development & Implementation Planning

- Module 10: Preparing a VE Proposal & Technical Justifications
- Module 11: Risk Assessment and Feasibility Checks
- Module 12: Implementation Planning and Reporting Format

Day 5: VE Workshop and Action Planning

- Module 13: Conducting a Simulated VE Workshop
- Module 14: Group Presentations and Peer Review
- Module 15: Final Review, Action Plan, and Certification Ceremony

Certification

Participants will receive a Certificate of Completion upon successfully attending the course and participating in exercises.

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.

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

Follow us: **Facebook** **Twitter** **YouTube** **LinkedIn** **Instagram**

© Material published by MAWA Events shown here is copyrighted. All rights reserved. Any unauthorized copying, distribution, use, dissemination, downloading, storing (in any medium), transmission, reproduction or reliance in whole or any part of this course outline is prohibited and will constitute an infringement of copyright.