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

"Maximize Project Value and Minimize Costs through Systematic Function Analysis and Innovation"

Schedule

Venue (In-house)	Fees
At Your Organization Premises	Ask For The Quotation

Introduction

Value Engineering (VE) is a systematic, organized approach aimed at improving the value of projects, products, or processes by analyzing their functions and optimizing costs, quality, and performance. VE encourages creative problem-solving, cross-functional collaboration, and data-driven decision-making to achieve optimal outcomes without compromising quality or functionality.

The Value Engineering course equips participants with practical tools and methodologies to identify cost-saving opportunities, enhance project efficiency, and make strategic design and operational decisions. Participants will learn to conduct functional analysis, evaluate alternatives, and implement value improvement measures effectively.

Objectives

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

- Understand the principles, methodology, and benefits of Value Engineering.
- Identify and analyze key functions of products, processes, or projects.
- Apply systematic approaches to evaluate alternatives and optimize costs.
- Develop and implement creative solutions to improve value without sacrificing quality.
- Lead VE studies and workshops in cross-functional teams.
- Integrate VE principles into project management, design, and operational decision-making.
- Evaluate the financial, operational, and strategic impacts of VE initiatives.
- Foster a culture of continuous improvement and innovation.

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

In competitive industries, organizations must maximize value while controlling costs. This course provides participants with practical frameworks and hands-on experience in value analysis, functional evaluation, and cost optimization, enabling them to contribute to efficient, profitable, and high-quality project and operational outcomes.

Target Audience

This course is suitable for:

- Project Managers and Engineers
- Operations and Production Managers
- Cost and Design Engineers
- Quality Assurance and Process Improvement Professionals
- Facility and Asset Managers
- Procurement and Supply Chain Professionals
- Professionals involved in design, construction, or operational decision-making

Individual Benefits

- Gain expertise in applying VE methodology to real-world projects.
- Improve problem-solving, analytical, and decision-making skills.
- Learn to identify cost-saving opportunities while maintaining quality and performance.
- Enhance professional competence in design, operational, and project management.
- Increase confidence in leading VE initiatives and workshops.

Organizational Benefits

- Reduce project and operational costs while maintaining or improving quality.
- Optimize resource utilization and enhance process efficiency.
- Improve decision-making in design, procurement, and operations.
- Foster a culture of innovation, collaboration, and continuous improvement.
- Enhance competitive advantage and profitability through value-focused strategies.

Instructional Methodology

The training employs a practical and interactive approach:

- Instructor-led sessions on VE principles and methodology
- Real-world case studies on cost optimization and value improvement
- Workshops on functional analysis, alternative evaluation, and implementation planning
- Group exercises and cross-functional team activities
- Applied problem-solving and hands-on VE simulations
- Continuous feedback, discussions, and Q&A sessions

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

Module 1: Introduction to Value Engineering – Concepts, History, and Benefits

Module 2: Functional Analysis and Function Classification

Module 3: Creative Thinking and Idea Generation Techniques

Module 4: Evaluation of Alternatives – Cost, Performance, and Risk

Module 5: Value Improvement Implementation Planning

Module 6: Leading and Facilitating VE Workshops

Module 7: Integration of VE in Project Management and Operations

Module 8: Financial and Strategic Impact Assessment

Module 9: Case Studies – Successful Value Engineering Applications

Module 10: Practical Exercises – Conducting a VE Study from Start to Finish

Certification

Upon successful completion, participants will receive a Certificate in Value Engineering, acknowledging their ability to apply systematic, creative, and cost-effective strategies to optimize project, process, or product value.

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.