

VALUE ANALYSIS, VALUE ENGINEERING, COST REDUCTION & QUALITY IMPROVEMENT

"Maximizing Value and Minimizing Cost for Sustainable Project Success"

Schedule

Date	Venue	Fees (Face-to-Face)
06 - 10 Sep 2026	Doha, Qatar	USD 3495 per delegate

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

Introduction

The Value Analysis, Value Engineering, Cost Reduction & Quality Improvement course provides project professionals with the essential methodologies to systematically enhance value, cut unnecessary costs, and elevate the quality of deliverables without compromising performance. This program offers a structured approach to critically analyze functions, drive innovation, and ensure efficient resource utilization.

Through expert-led sessions, participants will gain hands-on experience in applying value engineering techniques across diverse projects, empowering them to improve competitiveness, profitability, and client satisfaction.

Objectives

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

- Understand the principles and benefits of value analysis and value engineering (VA/VE).
- Apply structured methodologies to reduce costs and improve product/process quality.
- Identify and eliminate non-value-adding functions in projects.
- Facilitate value engineering workshops and engage cross-functional teams.
- Integrate cost reduction and quality improvement strategies into ongoing projects.

Why Attend

- Learn industry-proven VA/VE techniques that deliver measurable business results.
- Develop critical thinking and problem-solving skills to challenge assumptions.
- Acquire tools to balance cost, quality, and performance effectively.
- Gain insights into driving innovation and improving customer satisfaction.
- Enhance your role as a value-driven project leader.

Target Audience

This program is designed for:

- Project managers, engineers, and product designers.
- Cost controllers, procurement professionals, and financial analysts.
- Quality managers and continuous improvement specialists.
- Operations managers involved in process or product optimization.
- Anyone aiming to embed value and efficiency into project outcomes.

Individual Benefits

Key competencies that will be developed include:

- Mastery of value analysis and value engineering techniques.
- Enhanced skills in cost reduction, function analysis, and quality management.
- Improved ability to lead cross-functional workshops and innovation sessions.
- Stronger capacity to deliver higher-value outcomes within budget constraints.
- Broader understanding of cost-quality-performance trade-offs.

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Increased project profitability and competitiveness through systematic cost savings.
- Higher-quality deliverables aligned with client expectations.
- Greater innovation and collaboration across departments.
- Streamlined processes that minimize waste and maximize efficiency.
- A value-focused culture embedded across projects and teams.

Instructional Methodology

The course follows a blended learning approach combining theory with practice:

- Strategy Briefings - Comprehensive sessions on VA/VE principles, tools, and methodologies.
- Case Studies - Real-world examples showcasing successful cost reduction and quality improvement.
- Workshops - Interactive exercises applying VA/VE techniques to participants' projects.
- Peer Exchange - Group discussions sharing best practices and lessons learned.
- Tools - Checklists, templates, and value analysis frameworks for immediate use.

MAWA EVENTS

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Course Outline

Detailed 5-Day Course Outline

Training Hours: 7:30 AM – 3:30 PM **Daily Format:** 3–4 Learning Modules | Coffee breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 – 02:00

Day 1: Foundations of Value Analysis and Value Engineering

- Module 1: Introduction to VA/VE (07:30 – 09:30)
- History and evolution of value engineering.
- Core concepts: value, function, cost, and performance.
- Key benefits and application areas.
- Module 2: Function Analysis (09:30 – 11:30)
- Understanding the Function Analysis System Technique (FAST).
- Identifying essential vs. non-essential functions.
- Prioritizing functions for improvement.

Day 2: Cost Reduction Techniques and Tools

- Module 3: Identifying Cost-Saving Opportunities (07:30 – 09:30)
- Cost breakdown and analysis approaches.
- Value metrics and performance measures.
- Common sources of unnecessary costs.
- Module 4: Applying VA/VE Tools (09:30 – 11:30)
- Brainstorming and creativity techniques.
- Idea evaluation and selection processes.
- Using decision matrices for prioritization.

Day 3: Quality Improvement Integration

- Module 5: Linking Quality with Value (07:30 – 09:30)
- Quality management principles in VA/VE.
- Balancing cost, quality, and customer needs.
- Identifying critical-to-quality (CTQ) elements.
- Module 6: Process Improvement Strategies (09:30 – 11:30)
- Lean, Six Sigma, and continuous improvement tools.
- Streamlining workflows and eliminating waste.
- Sustaining improvements through change management.

Day 4: Leading Value Engineering Workshops

- Module 7: Workshop Planning and Facilitation (07:30 – 09:30)
- Setting up a successful VA/VE workshop.
- Engaging stakeholders and building cross-functional teams.
- Managing group dynamics and creative sessions.
- Module 8: Communicating and Implementing Results (09:30 – 11:30)
- Preparing value proposals and reports.
- Gaining buy-in from leadership and teams.
- Integrating changes into project plans.

Day 5: Application, Case Studies, and Action Planning

- Module 9: Case Study Analysis (07:30 – 09:30)
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Reviewing real-world VA/VE success stories.

- Lessons learned and critical success factors.
- Group discussion and reflections.
- Module 10: Final Workshop and Action Planning (09:30 – 11:30)
- Applying course concepts to participants’ projects.
- Developing individual action plans.
- Presenting strategies and receiving peer feedback.

Certification

Participants will receive a Certificate of Completion in Value Engineering and Cost Optimization, validating their advanced expertise in applying VA/VE techniques, cost reduction strategies, and quality improvement practices.

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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