



Value Engineering in Project Management



AGILE LEADERS
Training Center



Value Engineering in Project Management

Course Overview:

This course is designed to equip project managers with the knowledge and tools necessary to enhance project value by optimizing costs, improving efficiency, and identifying opportunities for added value. Participants will explore Value Engineering VE techniques, and learn how to apply these methods to maximize project outcomes without compromising quality. The course provides both theoretical knowledge and practical experience, ensuring that attendees leave with actionable skills.

Target Audience:

- Project Managers
- Engineering Managers
- Cost Estimators
- Procurement Managers
- Operations Managers

Targeted Organizational Departments:

- Project Management Office PMO
- Engineering and Design Department
- Procurement Department
- Operations Department
- Construction Management

Targeted Industries:

- Oil and Gas Sectors
- Construction Industry
- Manufacturing Industry
- Infrastructure Development
- Power Generation and Distribution



Course Offerings:

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

- Understand the principles of Value Engineering.
- Conduct value analysis to identify cost-saving opportunities.
- Apply VE techniques across different project phases.
- Balance cost, quality, and performance in decision-making.
- Lead Value Engineering workshops.
- Implement VE in both capital and operational projects.

Training Methodology:

The course uses a combination of lectures, group discussions, case studies, and practical workshops. Participants will engage in hands-on exercises, applying Value Engineering concepts to real-world projects.

Course Toolbox:

- VE process templates
- Case studies and examples
- Value analysis checklists
- Recommended reading materials

Course Agenda:

Day 1: Introduction to Value Engineering

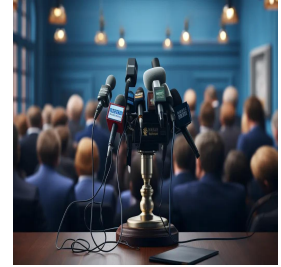
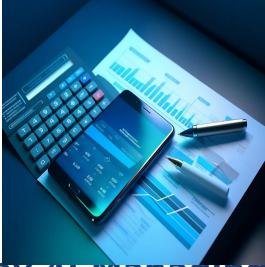
- Topic 1: Fundamentals of Value Engineering
- Topic 2: Value vs. Cost vs. Quality
- Topic 3: VE Applications in Project Phases
- Topic 4: Value Engineering Process Overview
- Topic 5: Overview of Project Constraints and Value Drivers
- Reflection & Review

Day 2: Analyzing Project Costs and Functionality

- Topic 1: Identifying Key Project Functions
- Topic 2: Function Analysis System Technique FAST
- Topic 3: Determining Cost Drivers
- Topic 4: Cost Breakdown Structures
- Topic 5: Prioritizing Value-Adding Activities
- Reflection & Review

Day 3: Applying Training Course Categories

- Topic 1: Value Analysis and Function Cost Matrix
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- review



Day 4: Managing VE Workshops and Teams

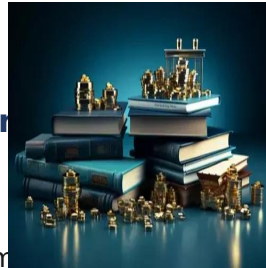
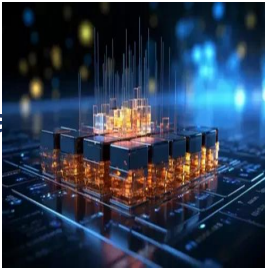
Finance and Accounting Training Courses

Agile PM and Project Management Training Courses

Certified Courses By International Bodies

Communication and Public Relations Training Courses

- Topic 1: Planning and Facilitating VE Workshops
- Topic 2: Engaging Stakeholders in VE
- Topic 3: Collaborative Decision-Making Techniques
- Topic 4: Overcoming VE Implementation Barriers
- Topic 5: Reporting VE Findings



Day 5: Presenting VE Results, and

Data Analytics Training and Data Science Courses

Environment & Sustainability Training Courses

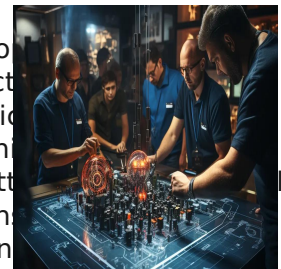
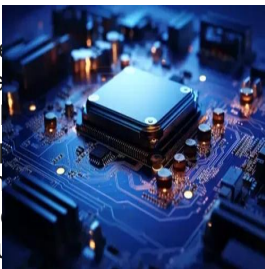
Governance, Risk and Compliance Training Courses

Human Resources Training and Development Courses

- Topic 4: Presenting VE Results to Stakeholders
- Case Studies and Lessons Learned
- Final Review and Course Summary

How This Course is Different from Other Courses:

The main difference between this course and other courses is its practical approach. While other courses focus on theoretical knowledge, this course emphasizes hands-on learning. Participants are encouraged to apply what they learn in real-world scenarios, making the learning experience more engaging and effective. This practical approach ensures that participants not only understand the concepts but also know how to implement them in their work. The course is designed to be interactive, with a focus on problem-solving and decision-making. Participants are given the opportunity to work on real projects, which helps them develop the skills needed to manage projects successfully. The course is also tailored to the needs of professionals in the field, ensuring that the content is relevant and up-to-date. By the end of the course, participants will have gained a deep understanding of project management and the skills needed to optimize resources while enhancing project outcomes, making this course ideal for professionals aiming to deliver maximum value in their project management roles.



IT Security Training & IT Training Courses

Leadership and Management Training Courses

Legal Training, Procurement and Contracting Courses

Maintenance Training and Engineering Training Courses



Training Course Categories



Marketing, Customer Relations, and Sales Courses



Occupational Health, Safety and Security Training Courses



Oil & Gas Training and Other Technical Courses



Personal & Self-Development Training Courses



Quality and Operations Management Training Courses



Secretarial and Administration Training Courses

Training Cities



Accra - Ghana



Amman - Jordan



Amsterdam - Netherlands



Baku - Azerbaijan



Bali - Indonesia



Bangkok - Thailand



Barcelona - Spain



Cairo - Egypt



Cape town - South Africa



Casablanca - Morocco



Doha - Qatar



Dubai - UAE



Geneva - Switzerland



Istanbul - Turkey



Jakarta - Indonesia



Johannesburg - South Africa



Training Cities



**Kuala Lumpur -
Malaysia**



**Langkawi -
Malaysia**



London - UK



Madrid - Spain



Manama - Bahrain



Milan - Italy



Nairobi - Kenya



Paris - France



Phuket - Thailand



**Prague - Czech
Republic**



Rome - Italy



**Sharm El-Sheikh -
Egypt**



Tbilisi - Georgia



Tokyo - Japan



Vienna - Austria



Zanzibar - Tanzania



AGILE LEADERS
Training Center

Training Cities



**Zoom - Online
Training**

WHO WE ARE

Agile Leaders is a renowned training center with a team of experienced experts in vocational training and development. With 20 years of industry experience, we are committed to helping executives and managers replace traditional practices with more effective and agile approaches.

OUR VISION

We aspire to be the top choice training provider for organizations seeking to embrace agile business practices. As we progress towards our vision, our focus becomes increasingly customer-centric and agile.

OUR MISSION

We are dedicated to developing value-adding, customer-centric agile training courses that deliver a clear return on investment. Guided by our core agile values, we ensure our training is actionable and impactful.

WHAT DO WE OFFER

At Agile Leaders, we offer agile, bite-sized training courses that provide a real-life return on investment. Our courses focus on enhancing knowledge, improving skills, and changing attitudes. We achieve this through engaging and interactive training techniques, including Q&As, live discussions, games, and puzzles.



AGILE LEADERS
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CONTACT US

 UAE, Dubai Investment Park First

 +971585964727
+447700176600

 sales@agile4training.com