



# **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

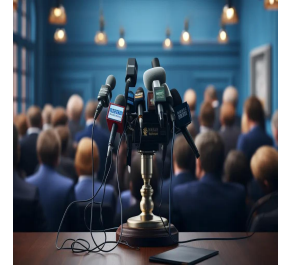
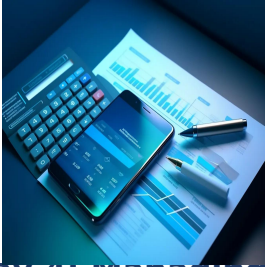
- Topic 1: Fundamentals of Value Engineering
- Topic 2: Value vs. Cost vs. Quality
- Topic 3: VE Applications in Project Phases
- Topic 4: Value Engineering Process Overview
- Topic 5: Overview of Project Constraints and Value Drivers
- Reflection & Review

### 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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## Day 4: Managing VE Workshops and Teams

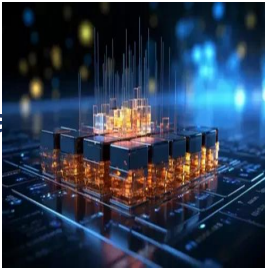
**Finance and Accounting Training Courses**

**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**

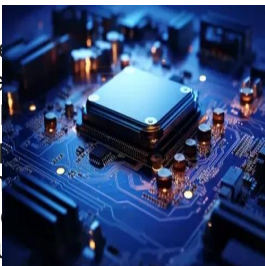
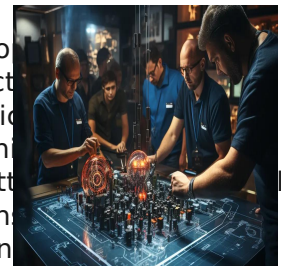
**Governance, Risk and Compliance Training Courses**

**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 that this course is designed to help you understand the value of your project and how to communicate it effectively. It provides a structured approach to value engineering, from identifying opportunities to implementing solutions. This course is ideal for professionals who want to optimize resources while enhancing project outcomes, making this course ideal for professionals aiming to deliver maximum value in their project management roles.

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**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**





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## 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**



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# 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.



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