



Consulting and Training | Reach New Heights

**Course Name**

# **Cost Optimization through Value Engineering**

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**Sector Name**

Maintenance & Reliability Management

**Document Type**

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## Cost Optimization through Value Engineering

### Course Introduction

In today's competitive business environment, organizations are under continuous pressure to deliver products, projects, and services at lower cost without sacrificing quality or performance. **Cost Optimisation through Value Engineering** is designed to provide participants with a structured, systematic approach to achieving this balance. The program goes beyond traditional cost-cutting measures by focusing on improving value—delivering the required functions at the lowest total cost over the life cycle of a product, project, or service.

This **five-day intensive course** introduces the principles, methodologies, and tools of value engineering in a practical and results-oriented way. Participants will explore the history and evolution of value engineering, understand how to analyze functions and costs, and learn how to apply creative thinking to generate innovative solutions. Through a mix of lectures, case studies, and interactive workshops, they will gain the skills to evaluate alternatives, identify unnecessary costs, and develop strategies that enhance efficiency and effectiveness across operations.

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## Cost Optimization through Value Engineering

### Target Audience

- ✓ Engineers, Project Managers, Cost Analysts, and Procurement professionals.
- ✓ Operational leaders seeking to improve efficiency.
- ✓ Teams involved in product design, project execution, or performance optimization.

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## Cost Optimization through Value Engineering

### Learning Objectives

- ✓ Apply a systematic value-engineering process to enhance cost-effectiveness without compromising quality.
- ✓ Utilize analytical tools to assess the cost-function relationship.
- ✓ Embed a continuous improvement mindset focused on cost reduction and innovation.
- ✓ Make data-driven decisions aligned with organizational goals.
- ✓ Redesign processes or products using creative and structured approaches.
- ✓ Improve decision-making and stakeholder communication for better buy-in and implementation.

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## Cost Optimization through Value Engineering

### Course Outline

#### ✓ 01 DAY ONE

##### **Fundamentals of Value Engineering**

- ✓ Core concepts and principles of value engineering
- ✓ Understanding function, cost, value triad
- ✓ History and evolution across industries
- ✓ Benefits and application examples

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## Cost Optimization through Value Engineering

### Course Outline

#### ✓ 02 DAY TWO

##### **The Value Engineering Process**

- ✓ Step-by-step VE methodology
- ✓ Functional analysis and FAST diagrams
- ✓ Creative ideation and evaluation techniques
- ✓ Brainstorming and assessment of alternatives

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## Cost Optimization through Value Engineering

### Course Outline

#### ✓ **03 DAY THREE**

##### **Implementing Cost Optimisation Strategies**

- ✓ Identifying inefficiencies across systems and processes
- ✓ Aligning solutions with business objectives
- ✓ Maintaining quality while reducing costs
- ✓ Interactive workshop: Cost-saving simulations

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## Cost Optimization through Value Engineering

### Course Outline

#### ✓ **04 DAY FOUR**

##### **Integrating VE into Projects**

- ✓ Gaining stakeholder support and managing resistance
- ✓ Planning and executing VE projects
- ✓ Monitoring impact with appropriate tools
- ✓ Best-practice case studies from various sectors

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## Cost Optimization through Value Engineering

### Course Outline

#### ✓ 05 DAY FIVE

##### **Presentation and Final Review**

- ✓ Building and delivering persuasive VE proposals
- ✓ Strategies for addressing stakeholder concerns
- ✓ Final activity: Group VE presentations
- ✓ Feedback and discussion on practical implementation

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## Cost Optimization through Value Engineering

### Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
Nov. 22, 2026	Nov. 26, 2026	5 days	4250.00 \$	KSA , Riyadh
March 15, 2027	March 19, 2027	5 days	4250.00 \$	UAE , Abu Dhabi
May 24, 2027	May 28, 2027	5 days	5950.00 \$	USA , Texas
Sept. 7, 2026	Sept. 11, 2026	5 days	4250.00 \$	UAE , Dubai
Dec. 7, 2026	Dec. 11, 2026	5 days	4250.00 \$	UAE , Dubai

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