MERCURY

Comprehensive Management Training for Engineers and Managers

27 September – 1 October 2027
Amsterdam (Netherlands)



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Ref: 15634_318048 **Date:** 27 September – 1 October 2027 **Location:** Amsterdam (Netherlands) **Fees:** 5600 Euro

Introduction:

In today's business environment, organizations continually improve operational efficiency, reduce costs, and improve the quality of their products and services. Participants in this Comprehensive Management Training for Engineers and Managers course will understand Value engineering in project management as a strategic approach to achieving these objectives.

Value engineering involves a systematic and structured methodology for analyzing existing processes and identifying opportunities for value enhancement. By focusing on cost efficiency, quality improvement, and process optimization, value engineering enables organizations to maximize the value of their projects while minimizing expenditures.

Value engineering project management is relevant for the Comprehensive Management Training for Engineers and Managers program, which aims to enhance operational efficiencies within frameworks such as procure-to-pay P2P, subcontract-to-pay S2P, Revenue Control Contract Management, and Cost and Value Reconciliation.

In this Comprehensive Management Training for Engineers and Managers course, organizations can address specific challenges and leverage opportunities unique to their operational frameworks. Participants will understand value engineering principles and equip professionals with the skills to implement strategic improvements effectively.

This Comprehensive Management Training for Engineers and Managers course will delve into value engineering, providing participants with the knowledge and tools to conduct analyses of their existing processes. It will highlight the importance of cost efficiency, quality assurance, and process performance optimization for sustainable business success.

Targeted Groups:

- Project Managers.
- Operations Managers.
- Procurement Professionals.
- Financial Analysts.
- Quality Assurance Managers.
- Process Improvement Specialists.
- Engineers.
- Construction Managers.
- Supply Chain Managers.
- Business Analysts.

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Course Objectives:

At the end of this Comprehensive Management Training for Engineers and Managers course, the participants will be able to:

- Enhance understanding of value engineering principles and methodologies.
- Develop skills to conduct thorough process analysis for value engineering.
- Identify and implement cost-saving opportunities within projects.
- Improve quality and efficiency in operational processes.
- Strengthen competencies in procure-to-pay P2P management.
- Advanced proficiency in Subcontract to Pay S2P processes.
- Master revenue control and contract management techniques.
- Facilitate effective cost and value reconciliation practices.
- Customize strategies to address specific challenges in Azizi's operations.
- Promote strategic planning for optimized process performance.

Targeted Competencies:

Participants competencies in this Comprehensive Management Training for Engineers and Managers program will:

- Cost Analysis and Optimization.
- Process Improvement Techniques.
- Quality Assurance Strategies.
- Strategic Planning and Implementation.
- Procurement and Supply Chain Management.
- Contract Management Proficiency.
- Revenue Control Measures.
- Value Engineering Methodologies.
- Risk Assessment and Management.
- Effective Communication and Leadership.

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Understanding Comprehensive Management Training for Engineers and Managers:

The Comprehensive Management Training for Engineers and Managers course provides in-depth insights into comprehensive management principles, offering participants a clear understanding of what comprehensive management entails. It covers developing and implementing a comprehensive management plan and the workings of a comprehensive management system.

This Comprehensive Management Training for Engineers and Managers program is for engineers and managers. It focuses on delivering comprehensive management solutions that address the complexities of modern organizational challenges. Participants will gain valuable skills in targeted training for engineers and development training for managers, ensuring they are equipped with the tools for effective management in today's dynamic business environment.

Course Content:

Unit 1: Introduction to Value Engineering:

- Define value engineering and its significance in project management.
- Explore the history and evolution of value engineering practices.
- Understand the fundamental principles and methodologies of value engineering.
- Examine the role of value engineering in improving project outcomes.
- Discuss the benefits of implementing value engineering in organizations.
- Highlight critical industries that benefit from value engineering.
- Identify the phases of a value engineering study.
- Introduce key concepts such as function analysis and FAST diagrams.
- Explain the difference between value engineering and cost-cutting.
- Review the critical success factors for practical value engineering.

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Unit 2: Process Analysis and Value Identification:

- Learn techniques for conducting comprehensive process analysis.
- Identify critical areas within processes for potential value improvement.
- Analyze current operational processes for inefficiencies and redundancies.
- Utilize tools for mapping and evaluating processes, such as flowcharts and process maps.
- Assess opportunities for cost reduction and quality enhancement.
- Conduct function analysis to determine essential functions and unnecessary costs.
- Develop a function cost matrix to prioritize value improvement efforts.
- Identify and evaluate alternative solutions for process optimization.
- Conduct a thorough cost-benefit analysis of proposed improvements.
- Utilize value metrics to quantify the benefits of process changes.

Unit 3: Strategic Planning and Implementation:

- Develop strategic plans for value engineering initiatives within projects.
- Align value engineering objectives with overall organizational goals.
- Formulate detailed implementation plans for process improvements.
- Set measurable targets for cost savings and performance enhancement.
- Monitor and evaluate the effectiveness of implemented strategies.
- Integrate value engineering into the project management lifecycle.
- Establish a value engineering team and define roles and responsibilities.
- Use project management tools to track progress and performance.
- Develop a communication plan to ensure stakeholder engagement.
- Create a feedback loop for continuous improvement of value engineering efforts.

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Unit 4: Management Training Enhancement:

- Focus on comprehensive Procure to Pay P2P training programs.
- Enhance skills and knowledge in Subcontract to Pay S2P management.
- Improve competencies in revenue control and contract management.
- Master techniques for cost and value reconciliation.
- Customize training modules to address specific operational challenges and opportunities.
- Develop training materials tailored to Azizi's operational framework.
- Conduct workshops and seminars for hands-on learning.
- Utilize case studies and real-world examples to illustrate key concepts.
- Implement e-learning modules for flexible, self-paced training.
- Provide assessments and feedback to ensure knowledge retention.

Unit 5: Value Engineering in Practice:

- Apply value engineering principles to real-world project scenarios.
- Review case studies of successful value engineering implementations.
- Engage in hands-on exercises and simulations to reinforce learning.
- Develop solutions for hypothetical project scenarios to practice value engineering techniques.
- Share best practices and lessons learned from industry experts.
- Facilitate group discussions and brainstorming sessions.
- Conduct a value engineering workshop to simulate the value study process.
- Present findings and recommendations to peers and instructors for feedback.
- Develop a value engineering report and presentation.
- Foster a culture of continuous improvement and innovation in the workplace.