

Course Overview:

This course bridges engineering and management by embedding core accounting and strategic planning skills into technical roles. It addresses the growing demand for engineers to take on managerial responsibilities, especially in budgeting, financial analysis, and project planning. Tailored for technical professionals, it empowers them to lead with data-driven decision-making and financial acumen.

Course Objective:

- Apply key accounting principles to engineering project scenarios.
- Develop and manage project budgets effectively.
- Conduct strategic planning using analytical tools.
- Enhance financial reporting and communication.
- Make informed management decisions using financial data.

Course Outline:

Module 1: Fundamentals of Management in Engineering

- Management Theories
- Role of Engineers in Management
- Leadership in Technical Projects

Module 2: Accounting Principles for Engineers

- Financial Statement Analysis
- Cost Accounting Methods
- Project Financing and Capital Budgeting

Module 3: Strategic Planning in Engineering Projects

- SWOT Analysis
- Long-term Planning Techniques
- Risk Management Strategies

Module 4: Budgeting and Financial Planning

- Budget Development Processes
- Cost Estimation
- Resource Allocation

Module 5: Project Management Accounting

- Project Costing Models
- Monitoring and Controlling Costs
- Performance Measurement

Module 6: Decision-making in Engineering Management

- Analytical Decision-making Tools
- Data-driven Strategies
- Problem-solving in Engineering Contexts

Module 7: Financial Analysis and Reporting

- Financial Ratios and Metrics
- Reporting Standards
- Effective Communication of Financial Data

Module 8: Case Studies in Engineering Management

- Real-world Engineering Management Scenarios
- Best Practices

Training Language:

English-Arabic

Training Methodology:

The course combines various teaching methods, including instructor-led presentations, group discussions, case study analyses, and assessments through quizzes and a final exam to engage participants and ensure they understand and retain the material.

Venue | Date | Fees

Riyadh | 06-07-2025 | 17,250 SAR

Khobar | 03-08-2025 | 17,250 SAR

Jubail | 07-09-2025 | 17,250 SAR

Khobar | 05-10-2025 | 17,250 SAR

Riyadh | 19-10-2025 | 17,250 SAR

Riyadh | 02-11-2025 | 17,250 SAR

-Lessons Learned from Industry

Who Should Attend:

- Engineering Managers
- Project Engineers
- Technical Team Leaders
- Engineering Consultants