TECHNICAL
EDUCATION
ACADEMY

School of Business and Management

COURSE PROGRAMME

000217

PRME009 - Project Management

Project Management is a 5-day practical course with workshops that enables project teams to achieve world-class project performance and thereby improve profitability of the company.



Learn from the Best in the Business!

Course overview

Foundation level

Why take this course

Project Management is a 5-day practical course with workshops that enables project teams to achieve world-class project performance and thereby improve profitability of the company. Industry benchmarking has shown a big gap in cost, schedule and operability between best and worst projects with a major impact on the total cost of ownership over the life of the asset. In today's competitive business environment this can mean a difference between a profitable company and the one that becomes a takeover target.

This course has been designed to address management of limited and scarce capital resources for consistent world-class project performance. It begins with a project development and execution process and describes activities, deliverables and organization required to effectively manage these projects. Emphasis is placed on front-end loading where a multi-functional team defines and freezes the scope of work prior to full funding.

Who it is for and how it helps

Project managers, project leaders, project coordinators, project administrators, program managers, functional managers, and project team members who are responsible for or involved with initiating, planning, executing, monitoring and controlling, and/or closing of projects with an emphasis on energy facilities.

What you will learn

- Manage the selection and initiation of individual projects and of portfolios of projects in the enterprise
- Conduct project planning activities that accurately forecast project costs, timelines, and quality. Implement processes for successful resource, communication, and risk and change management
- Demonstrate effective project execution and control techniques that result in successful projects
- Conduct project closure activities and obtain formal project acceptance
- Demonstrate a strong working knowledge of ethics and professional responsibility
- Demonstrate effective organizational leadership and change skills for managing projects, project teams, and stakeholders

Curriculum

Modules 01–04

01 Project Management's Impact on the Bottom Line

- Improve Return on Capital Employed (ROCE) and Total Shareholder Return (TSR)

02 Project Development and Execution Process

- IDENTIFY and Assess Business Opportunity
- SELECT from Alternatives
- DEVELOP Preferred Alternative for Full Funding
- EXECUTE Detail Design, Procurement and Construction
- OPERATE and Evaluate

03 Value Improving and Best Practices

- Decision and Risk Analysis
- Decision Hierarchy
- Strategy Table
- Influence Diagram
- Tornado Diagram
- Decision Tree
- S-Curve
- Defining the Vision of Success (Business Goals, Project Objectives and Drivers and Scope of Work)
- Defining the Strategy for Success (Management Level Plan, Risk Management Plan, Organization Plan, Contracting Plan, Best Practices Implementation Plan and Team Performance Management Plan)
- Defining the Tools for Success (Time Management Plan, Cost Management Plan, Quality Management Plan, Safety and Environmental Management Plan, Materials Management Plan and Communications Management Plan)

04 Value Improving and Best Practices (continued)

- Value Improving Practices by IPA
- Technology Selection
- Well Definition and Design
- Classes of Plant Quality

Curriculum

Modules 04–05 · Module 04 — continued

- Constructability Reviews
- Design-to Capacity
- Process Reliability Modeling
- Traditional Value Engineering
- Others
- Project Reviews
- Peer Review
- Pre-Funding Assessment
- Post Project Assessment
- Business Evaluation

05 Total Cost Management

- Economic Analysis
- Net Present Value (NPV)
- Payout
- Rate of Return (ROR)
- Cost Estimating
- Estimate Types and Methods
- Allowance, Contingency and Accuracy
- Work Breakdown Structure (WBS)
- Planning and Scheduling
- Plan Versus Schedule
- Critical Path Schedule
- Resource Planning
- Contracting and Procurement
- Lump Sum Contracts
- Reimbursable Contracts
- Incentive Contracts
- Partnering / Alliances
- Performance Measurement
- Earned Value Concept
- Cost Control and Forecasting

Curriculum

Module 05 — continued

- Budgets
- Trends
- Commitments
- Progress Reporting

Joining the programme

Contact the Academy and quote course code 000217 to confirm dates, delivery format, prices and enrolment terms.

Training for your team

Tell us your business goals, the roles and number of participants, and your preferred dates and location. This will help us discuss the right training option.

Preparing for the programme

The published programme does not specify any prerequisites. Contact us before enrolling to confirm how to prepare.

Discuss your training needs

mail@tecedu.org
www.tecedu.academy

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