

**Course Name: Project Appraisal & Analysis**

**Reference Code: Projec110**

**About the course:**

This training course will feature:

The latest issues facing organizations involved in Project Appraisal & Analysis

The Analysis & Evaluation of Practical Case Studies to ensure skills development and transfer to the workplace

Knowledge and Skills Development to ensure tangible benefits for your organisation

Leading international Analytical Tools & Techniques

The latest methods of Managing Risk & Uncertainties

**Course Objective:**

- Undertake, Technical, Economic, Financial & Risk Analysis to select Projects to meet National and Organizational Objectives
- Undertake Financial Analysis using Payback, NPV & IRR
- Identifying & Measuring Risk & Uncertainties
- Evaluate and Manage Risks using the latest tools & techniques
- Manage Uncertainties using Decisions Trees, Programming Techniques – Gannt Charts, Network & Critical Path Analysis, Manpower Planning, Contingency Planning & Earned Value Analysis

**Kingdom of Saudi Arabia**

101 Business Tower, 8th Floor  
Al Jubail 35513, Bldg# 9278 ,KSA  
Tel.: +966 13 361 5552

**Kingdom of Saudi Arabia**

Khobar Gate Tower  
King Fahad Street , Khobar 31952  
Tel.: 00966133308334

### Who Should attend?.

- New & Experienced Supervisors
- Team Leaders & Line Managers
- Projects & Process Engineers & Managers
- Risk Managers & Professionals
- Professional at all levels involved in Projects

### Course Methodology:

This training course is designed to be a hands-on, stimulating experience. The training course is highly interactive with many discussion and practice sessions.

☑ Relevant computer simulations and videos .

☑ Copies of all presentation material.

☑ Variety of Learning Methods.

☑ Pre-test and final test.

☑ Case Study

☑ Training Groups.

☑ Presentation.

☑ Lectures

#### Kingdom of Saudi Arabia

101 Business Tower, 8th Floor  
Al Jubail 35513, Bldg# 9278 ,KSA  
Tel.: +966 13 361 5552

#### Kingdom of Saudi Arabia

Khobar Gate Tower  
King Fahad Street , Khobar 31952  
Tel.: 00966133308334

## Course Outline:

### Day One:

#### Project Appraisal & Analysis

- The Investment Criteria & The Investment Planning Process
- Identifying Technical, Logistical & Environmental Risks
- Economic Risk Analysis
- Market Risk Analysis
- Selecting Projects to meet Organisational Objectives

### Day Two:

#### Project Appraisal & Analysis II – Financial Analysis

- Estimating Income, Cashflows & Durations
- Identifying Risks from the Projected Cashflow
- Calculating the Cost of Finance – WACC, CAPM & Arbitrage Pricing
- Capital Investment Appraisal Techniques - Payback; ARR, NPV, IRR etc.
- Financial Appraisal using Spreadsheet Skills

### Day Three:

#### Project Risk & Uncertainties

- Measuring Risk & Uncertainties
- Project Constraints
- Balancing Scope, Time, Quality & Cost
- Evaluating the Risks & Uncertainties – Their Likelihood & Impact
- Risk Response Planning & Reporting

#### Kingdom of Saudi Arabia

101 Business Tower, 8th Floor  
Al Jubail 35513, Bldg# 9278 ,KSA  
Tel.: +966 13 361 5552

#### Kingdom of Saudi Arabia

Khobar Gate Tower  
King Fahad Street , Khobar 31952  
Tel.: 00966133308334

**Day Four:**

**Risk Management**

- The Risk Management Process at various levels of an organization and throughout the Project Life Cycle
- The Project Manager's Roles and Responsibilities
- Qualitative & Quantitative Risk Analysis
- Financial Risk Management & Derivatives
- Sensitivity Analysis & Monte Carlo Simulation Analysis

**Day Five:**

**Managing Uncertainties**

- Decisions Trees to Manage Uncertainties and make Strategic Decisions
- Programming Techniques – Gantt Charts, Network & Critical Path Analysis
- Manpower Planning and Resource Smoothing & Levelling
- Project Contingency Planning
- Earned Value Analysis – Controlling Cost & Schedule Variances

**Time: 08:00 AM -03:00 PM Numbers of hours: 35 Hours**

**Kingdom of Saudi Arabia**

101 Business Tower, 8th Floor  
Al Jubail 35513, Bldg# 9278 ,KSA  
Tel.: +966 13 361 5552

**Kingdom of Saudi Arabia**

Khobar Gate Tower  
King Fahad Street , Khobar 31952  
Tel.: 00966133308334