

# informatech

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## Project Appraisal & Analysis

Tools & Techniques for Managing Project Risks & Uncertainties

( 5 Days Training Course )

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## The Course Content

### **Day One: Project Appraisal & Analysis I**

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

### **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