**Risk Analysis in Petroleum Industry**



**Risk Analysis in Petroleum Industry**

**Course Objective**

* Understand various economic terms used in the Oil & Gas industry
* Understand how to develop economic models of various petroleum fiscal regimes
* Carry out cash flow analysis, different economic analyses for petroleum related project and determine economic indicators
* Evaluate and quantify risks and uncertainties
* Make the right investment decision in the presence of risk
* Carry out a comprehensive economic evaluation study for any petroleum related project including risk analysis and sensitivity study using spreadsheet
* Contribute to the petroleum project investment within a solid economic system and do a detailed economic evaluation
* Contribute to the decision-making process for any petroleum related project

**Target Audience**

* Oil & Gas Field Engineers
* Oil & Gas Managers
* Oil & Gas Auditors
* Oil & Gas Planners
* Financial Analysts

**Course Outline**

* **DAY 1**
* Cash Flow Analysis
* Familiarization with Economic terms
* Setting up Cash Flow Calculation
* Depreciation Methods
* Loss Carry Forwards
* Inflation
* Nominal & Real Cash Flow
* Sunk Costs
* Project Financing
* **DAY 2**
* Economic Indicators
* Economic Indicators Definitions
* Present Value Concept
* Discount Factor
* Net Present Value
* Internal Rate of Return
* Effect of Project Delay
* Payback Period
* Profit/Investment Ratio
* Incremental Projects
* **DAY 3**
* Risks and Uncertainties
* Risk & Uncertainty
* Expected Value Concept
* Decision Tree Analysis
* Farm-out Decision
* Probability Analysis
* Sensitivity Analysis
* Probability Distribution
* Monte Carlo Simulation
* **DAY 4**
* Setting up Spreadsheet Calculation
* Introduction to Spreadsheet Calculation
* Simple Cash Flow using Excel
* NPV calculations
* Application of economic indicators
* Class discussion
* **DAY 5**
* Setting up Oil Field Development Model
* Group activities
* Setting up an Integrated Economic Model of a Typical Oil Field Development
* Project Sensitivity Analysis for the selected model
* Introduction to Russell field model
* Final remarks
* **The Feature Of Asia Master Training And Development Center**
* we pick up the customer from the airport to the hotel.
* we give the participant training bag includes all the necessary tools for the course.
* Working within groups to achieve the best results.
* All our courses are confirmed and we do not postpone or cancel the courses regardless of the number of participants in the course.
* We can assist you in booking hotels at discounted prices if you wish to book through us.
* We offer the certificate from Asia Masters Center for Training and Administrative Development.

The Cost Of The Training Program Includes The Following:

1. Scientific article on flash memory.
2. Training Room.
3. Training.
4. Coffee break.
5. The training bag includes all the tools for the course.

|  |
| --- |
| Price (USD) |
| Communicate with the training department  to know the participation fees   * There are offers and discounts for groups |
| The details of the bank account |
| Bank name: CIMB Bank Berhad  Account name: Asia Masters Center SDN. BHD  Bank account number: 80-0733590-5  Swift code: CIBBMYKL  IBAN: Null |