

COURSE BROCHURE

# Petroleum Economics & Project Evaluation

Professional Training Course

Skillslab Training Provider

Skills for Tomorrow's World 



## Course Description

### Introduction

The petroleum industry remains one of the most capital-intensive and strategically significant sectors in the global economy, influencing national revenues, energy security, industrial development, investment strategies, and long-term economic growth. Governments, ministries, national oil companies, regulatory authorities, and multinational energy organizations are continuously required to make complex investment decisions involving exploration, production, infrastructure development, resource allocation, and portfolio optimization. In such an environment, a strong understanding of petroleum economics and project evaluation is essential for ensuring that investments generate sustainable value while managing risks effectively.

The **Petroleum Economics & Project Evaluation** program is designed to provide executives, managers, policymakers, financial specialists, project leaders, and decision-makers with a practical and strategic understanding of the economic principles that drive investment decisions in the oil and gas industry. The program bridges the gap between technical project information and executive-level decision-making by translating complex economic concepts into practical business insights.

Participants will develop the ability to evaluate petroleum projects, analyze economic performance, assess investment opportunities, understand financial risks, and interpret economic indicators used throughout the industry. The program also explores how market conditions, government policies, fiscal regimes, pricing structures, operational costs, and sustainability considerations influence project viability and strategic decision-making.

By strengthening leadership effectiveness, improving financial and strategic analysis capabilities, and enhancing communication between technical and non-technical stakeholders, the program helps organizations improve investment governance, optimize capital allocation, strengthen project performance, and support sustainable growth. It equips professionals with the knowledge and confidence needed to contribute effectively to high-value decisions that shape organizational success and national energy development objectives.

### Course Overview and Strategic Impact

governance, policy development, project management, and executive leadership, the program focuses on

transforming complex petroleum economics concepts into practical tools for decision-making and organizational value creation.

Energy organizations today face increasing pressure to maximize returns on investment while navigating market volatility, changing regulatory environments, fluctuating commodity prices, sustainability expectations, and increasing stakeholder scrutiny. Governments and corporations alike must ensure that petroleum projects are economically viable, strategically aligned, and capable of delivering long-term value. This program addresses these challenges by providing participants with practical methodologies for evaluating petroleum assets, forecasting economic outcomes, assessing risks, and prioritizing investments.

The strategic value of the program lies in its ability to strengthen decision-making processes related to capital investment, portfolio management, project selection, resource allocation, and long-term planning. Participants gain insight into petroleum fiscal systems, economic modeling, project valuation methods, cash flow analysis, and investment performance measurement.

Organizationally, the program enhances financial discipline, improves project governance, strengthens investment transparency, and supports evidence-based decision-making. Participants develop stronger communication capabilities when engaging with technical teams, financial specialists, regulators, investors, and executive stakeholders.

The program also enhances leadership readiness by equipping professionals with the strategic perspective needed to manage uncertainty, evaluate complex opportunities, support transformation initiatives, and align petroleum investments with broader organizational and national development objectives. Ultimately, it contributes to improved performance, sustainable growth, and stronger organizational resilience in a dynamic energy environment.

## **Course Objectives**

By the end of this program, participants will be able to:

1. Understand the fundamental principles of petroleum economics and value creation.
2. Analyze the economic drivers affecting oil and gas projects.
3. Evaluate petroleum investments using industry-standard financial techniques.
4. Interpret project cash flow statements and economic performance indicators.

9. Support strategic capital allocation and portfolio management decisions.
10. Enhance communication between technical, financial, and executive stakeholders.
11. Evaluate project profitability using economic and financial metrics.
12. Assess economic sensitivity and scenario analysis results.
13. Support governance and investment review processes.
14. Contribute to organizational decision-making using economic evidence and analysis.
15. Develop practical recommendations for improving project and investment performance.

## **Course Content (5-Day Training Outline)**

### **Day 1: Foundations of Petroleum Economics**

#### **Key Topics**

- Introduction to Petroleum Economics
- Oil and Gas Industry Value Creation
- Economic Fundamentals

#### **Subtopics**

- Petroleum industry business model
- Sources of value in oil and gas projects
- Industry cost structures
- Revenue generation mechanisms
- Market fundamentals
- Supply and demand dynamics
- Economic terminology and concepts

#### **Practical Applications**

- Petroleum value chain analysis
- Industry economics workshop
- Cost and revenue mapping exercise
- Executive case study on value creation

- Economic Performance Indicators
- Project Valuation Techniques

### **Subtopics**

- Cash flow analysis
- Time value of money
- Net Present Value (NPV)
- Internal Rate of Return (IRR)
- Payback period analysis
- Profitability assessment methods
- Investment screening criteria

### **Practical Applications**

- Project valuation exercises
- Financial modeling workshops
- Investment evaluation simulations
- Cash flow interpretation activities

## **Day 3: Petroleum Fiscal Systems and Investment Decision-Making**

### **Key Topics**

- Fiscal Frameworks
- Government and Corporate Economics
- Investment Governance

### **Subtopics**

- Royalties and taxation systems
- Production sharing agreements
- Concession agreements
- Government participation models
- Investment approval frameworks

- Fiscal regime comparison exercise
- Investment committee simulation
- Portfolio prioritization workshop
- Policy impact analysis

#### **Day 4: Risk Analysis, Uncertainty, and Scenario Planning**

##### **Key Topics**

- Risk Management
- Economic Uncertainty
- Strategic Planning

##### **Subtopics**

- Oil and gas price volatility
- Capital expenditure uncertainty
- Operational risk considerations
- Sensitivity analysis
- Scenario planning methodologies
- Risk-adjusted decision-making
- Economic forecasting fundamentals

##### **Practical Applications**

- Scenario analysis workshop
- Risk assessment simulation
- Sensitivity testing exercises
- Strategic planning case studies

#### **Day 5: Strategic Project Evaluation and Executive Decision-Making**

##### **Key Topics**

- Strategic Investment Evaluation
- Portfolio Management

- Project prioritization frameworks
- Strategic investment decision-making
- Sustainability considerations
- Energy transition impacts
- Digital transformation in project evaluation
- Future investment trends

### **Practical Applications**

- Executive decision-making simulation
- Project ranking and selection exercise
- Investment portfolio review workshop
- Strategic roadmap development

### **Target Audience**

This program is designed for:

- Government officials involved in energy and economic planning
- Ministry personnel responsible for petroleum policy and investment oversight
- Public sector executives and decision-makers
- National oil company managers
- Corporate executives and senior managers
- Finance and accounting professionals
- Investment and business development specialists
- Project and program managers
- Strategy and planning professionals
- Procurement and commercial managers
- Risk management professionals
- Regulatory and compliance personnel
- Consultants and advisors working within the energy sector
- Professionals involved in project governance and capital investment decisions

### **Course Requirements**

- Interest in petroleum, energy economics, or infrastructure development
- Experience interacting with technical, financial, or executive stakeholders

No advanced financial modeling or engineering background is required.

### **Training Methodology**

The program employs an executive learning approach that combines practical application with strategic analysis to maximize workplace impact.

Training methodologies include:

- Interactive workshops
- Executive case studies
- Group discussions
- Investment simulations
- Practical exercises
- Scenario-based learning
- Peer learning activities
- Facilitated feedback sessions
- Financial analysis workshops
- Economic evaluation exercises
- Strategic planning activities
- Project review simulations
- Decision-making laboratories
- Collaborative problem-solving sessions

Participants will work with realistic petroleum investment scenarios and develop actionable insights that can be directly applied within their organizations.

### **Learning Outcomes**

Upon successful completion of the program, participants will be able to:

1. Demonstrate a comprehensive understanding of petroleum economics and project value drivers.
2. Apply strategic thinking to petroleum investment and capital allocation decisions.
3. Strengthen leadership effectiveness in project evaluation and investment governance.

8. Assess investment risks and opportunities in dynamic market conditions.
9. Support project selection and portfolio optimization initiatives.
10. Strengthen stakeholder engagement and investment communication practices.
11. Improve organizational governance related to capital projects and investments.
12. Contribute to performance improvement through evidence-based decision-making.
13. Support organizational transformation and strategic growth initiatives.
14. Enhance financial discipline and investment accountability.
15. Create greater organizational value through informed project evaluation and strategic investment planning.

### **Instructor Profile**

This program is delivered by **an internationally certified expert with extensive practical and consulting experience** in petroleum economics, project evaluation, strategic investment management, energy sector governance, and executive leadership development.

The instructor has advised governments, ministries, national oil companies, public sector organizations, and multinational energy corporations on petroleum investment strategies, economic evaluation frameworks, fiscal policy development, portfolio optimization, and organizational transformation initiatives.

Key areas of expertise include:

- Executive advisory and strategic leadership development
- Petroleum economics and investment analysis
- Project evaluation and capital allocation strategies
- Government transformation and energy sector modernization
- Corporate transformation and performance improvement
- Fiscal policy and petroleum governance
- Strategic consulting and business optimization
- Risk management and investment governance
- Portfolio management and project prioritization
- Organizational capability development
- Stakeholder engagement and executive communication
- Practical implementation of international best practices

organizational success within the petroleum and energy sectors.

# Contact Us

For registration inquiries, upcoming dates, or group pricing, please contact us:

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