



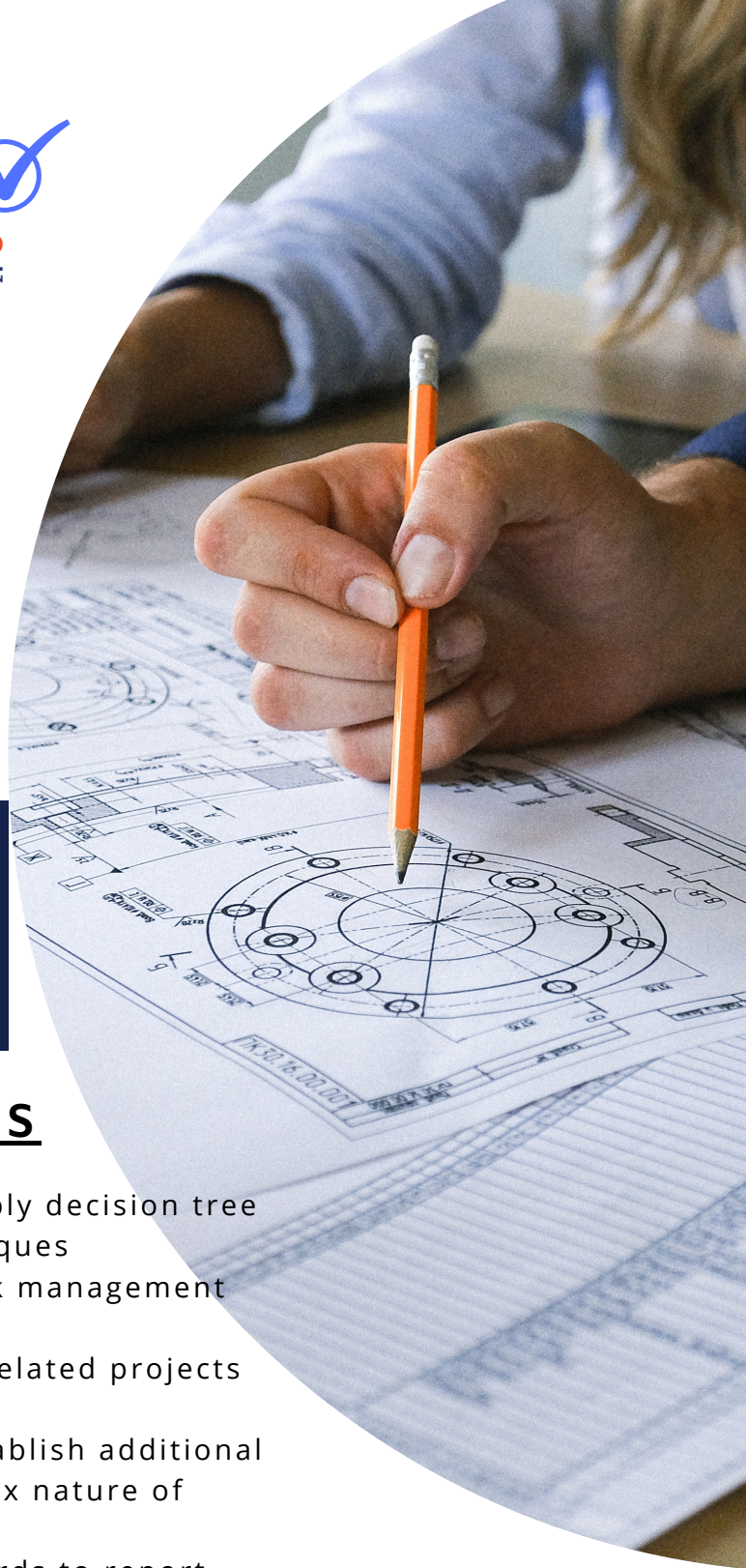
Project Economic and Analysis Management

**CONDUCTED
ONLINE OR
PHYSICAL**

BENEFITS AND OUTCOMES

1. Appreciate attitudes to uncertainty and apply decision tree analysis and other risk management techniques
2. Gain skills in the application of specific risk management simulation software package
3. Conduct an economic study on petroleum-related projects
4. Use economic terms and concepts
5. Create Key Performance Indicators and establish additional metrics to measure the increasingly complex nature of modern projects
6. Compose effective dashboards and scorecards to report project performance
7. Apply generally accepted project management techniques to establish and control an integrated project plan baseline

The Project Economics and Analysis Management training addresses the need for professionals to manage and control projects. An in-depth treatment of project uncertainty enables delegates to tackle the economic challenges facing the industry and use effective risk planning and management techniques to support effective decision-making. This ability to control projects is further enhanced through the establishment of effective project governance systems to establish key performance indicators and measure project progress.



COURSE OUTLINE

Development Economics

- Principles of Development Economics • Understanding of Economic Terms • Inflation and its Impact on Nominal and Real CashFlows • Project Financing

Uncertainty in Investments

- Handling Uncertainty in Capital Projects • Understanding Probability Concepts • The Expected Value Concept: Features and Pitfalls • Expected Monetary Value (EMV) • Expected Profitability Index (EPI) • Expected Opportunity Loss (EOL)

Risks and Uncertainties

- Risk and Uncertainty • Risk Eversion and Risk Premium • Economic Decision Criteria • Decision Tree Analysis • Probability Distribution • Case Study: Monte Carlo Simulation

Setting up Spreadsheet Calculations Using Excel

- Spreadsheet Calculations • CashFlow Analysis • Sensitivity Analysis Calculations • Tornado Diagrams • Introduction to Monte Carlo Simulations using @Risk

Understanding Project Success and Failure

- Characteristics of Projects • Fundamentals of Project Management • Starting a Project - The Charter • Starting a Project - The Team

Value-Driven Project Management

- Value Modelling and Value Metrics • Metric Characteristics, Selection, Training and Management • Project Scope Planning - work breakdown structures • Schedule Planning - build and optimize project timeline • Cost Planning - estimation and construction of the project budget

Monitoring Performance through Effective Planning and Reporting Techniques

- Controlling Uncertainty - Risk Management • Controlling Stakeholders - communications considerations • Key Performance Indicators • Status Reports and Project Dashboards

Monitoring and Controlling Project Performance

- Variance Analysis using Earned Value Management • Forecasting to Control Project Budgetary and Schedule Concerns • Managing Change • Advanced Status Reporting Techniques

Stakeholder Management

- Issues Management • Scope Verification - requirements traceability • Management of Project Records • Problem-Solving: Identification, Analysis and Generation of Solutions • Decision-making Tools and Techniques



Magindren
Kuppusamy

Magindren is a Big Data consultant and a trainer-driven professional with around 6 years of extensive experience in data gathering, modelling, analysis, validation and architecture/solution design to build next generation analytics platform. Magindren also has a passion for understanding things at a fundamental level and sharing it as clearly as possible and as an independent trainer, consultant and solution architect focusing exclusively on Big Data technologies. He has a strong Analytical and technical background with good problem solving skills to develop effective complex business solutions.

He has over 20 years of experience in management, business development, estimating, sales and engineering and he has a proven track record of exceptional results at well-established firms, seizing business opportunities, acquiring unprofitable territory or businesses and re-organizing and turning them around to achieve significant revenue and profit growth.

These are some of the corporate clients he has trained: Prasarana (Rapid KL), Petronas, Gigpreneurs, WARD (Bangladesh), Maybank, SCOPE, UMW Toyota, Manulife, MCIS, American Embassy, SKMM, SPAD, JBALB Sarawak, Forestry Sarawak, MAICCI, Sapura, TATA Group India, Axiata Sri Lanka, MOCCIS and SMEs.