



PEA

PETROLEUM ENGINEERS ASSOCIATION



5 DAYS CERTIFIED COURSE ON PROJECT MANAGEMENT IN OIL AND GAS INDUSTRY



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COMMUNITY



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5 DAYS CERTIFIED COURSE ON PROJECT MANAGEMENT IN OIL AND GAS INDUSTRY

The objective of this course is to provide new and advanced techniques in project management and to apply industrial projects specifically for oil and gas minor and major projects. Project Managers and any person working in the field of Project Management and those who intend to become certified "Project Management Professionals" and Program Managers who are or will be involved in the areas of engineering, data processing, research and development, construction, manufacturing corporate planning, finance, and marketing. This course is particularly important to executives, managers, and supervisors in government and industry who are concerned with effectively managing ventures and projects where the cost, schedule, and performance of programs must meet rigid requirements.

FEATURING INDUSTRY CASE STUDIES AND PRACTICAL EXAMPLES

The course covers the entire project life cycle and addresses key stage issues with a view to optimizing project performance and quality. It also highlights effective project skills and techniques for planning, assessing risks, estimating, organizing, and controlling costs, resources, and schedules; and identifies effective management of project developments such as development planning, engineering, procurement, and construction activities.



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This course is considered not only for the project managers but for anyone who is working in a project team and he needs to be a professional player.

Through the use of case studies, workshops, and lectures, participants will gain knowledge in the range of issues, tools, and techniques available to today's project managers.

Considerable time will be spent actually experiencing project management through workshops based on actual oil and gas projects.

THE BENEFITS

- Better understanding of construction management
- Improved ability of delegates to plan, schedule and cost control
- Mastering interpersonal skills needed to effectively manage teams on site
- Improved ability to develop appropriate performance measures
- A risk assessment methodology for the construction activity

WHO IS THIS COURSE FOR?

Engineers with junior and senior levels or another discipline need to know deeply about project management activities.



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HOW WILL THIS BE PRESENTED?

This training course will utilize a variety of proven adult learning techniques to ensure maximum understanding, comprehension, and retention of the information presented. The daily workshops will be highly interactive and participative. The illustration will depend on videos and photos.

DAY -1: INTRODUCTION

- Why Project Management?
- Advantages of Project Management
- What is the nature of oil and gas projects
- Project Phases and Life Cycle
- Types of concessions
- Feasibility study for oil and gas investment
- Appraise, select, define
- Project Stakeholders
- Overview of Project Management Processes, Operations Management and Skills
- Key Attributes of Effective Project Manager and Team Management
- Project Types and Structures: Activity Stages and Decision Gates
- FEED and EPC Contracting in the O&G Sector
- Exercises / Case Study / Practical Examples



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DAY -2: PROJECT SCHEDULE PLAN

- FEED engineering phase
- Project Plan Development
- Project Plan Execution
- Overall Change Control
- Scope Planning & Definition
- CPM method
- PERT method
- Resource Scheduling: Developing Gantt Chart
- Scope Change Control
- Exercises / Case Study / Practical Examples

DAY -3: PROJECT COST CONTROL

- Activity Definition
- Activity Sequencing
- Determining Ownership
- Schedule Development
- Time Control
- Resource Planning
- Cost Estimating
- Cost Budgeting & Cost Control
- Earned Value Reporting
- Cost Estimating and Approval / Authorizations for Expenditure



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DAY -4: PROJECT QUALITY MANAGEMENT

- Total quality management
- Applied QC/QA in oil and gas projects
- Quality Planning, Control & Assurance
- Seven Tools Used in Quality Management
- Organizational Planning
- Staff Acquisition
- Team Development
- Motivational Techniques
- Procurement Planning
- Solicitation Planning
- Solicitation
- Source Selection
- Communications Planning
- Information Distribution
- Progress Reporting
- Administrative Closure



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DAY -5: CONTRACTS, RISK ASSESSMENT

- How to Study risk
- Contract Administration
- Bidding evaluation worldwide technique
- Contract procedure
- Weight score system
- Advanced method in Commercial evaluation
- Data Management, Relational Databases, and Documentation
- Project and Operations Risk Registers and Risk Assessment Methodology
- Risk Reduction Strategies and Enhancement Opportunities
- Qualitative and quantitative risk technique
- Risk Identification
- Risk Quantification
- Risk Response & Control
- Risk management workshop



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