Advanced Project Estimation, Planning, And Scheduling For Oil & Gas Production

Duration: 5 Days

Language: en

Course Code: IND01 - 147

Objective

Upon completion of this course, participants will be able to:

- Develop accurate and reliable cost estimates for oil and gas projects.
- Create comprehensive project plans that incorporate risk management and resource allocation.
- Utilise advanced scheduling techniques to manage project timelines effectively.
- Integrate project estimation, planning, and scheduling to ensure overall project control.

- Apply industry best practices to real-world project scenarios.

Audience

This course is intended for:

- Project managers and coordinators in the oil and gas industry.
- Cost estimators and planners.
- Engineers and technical professionals involved in project management.
- Industry consultants and advisors.
- Professionals looking to enhance their oil and gas sector project management skills.

Training Methodology

The course employs a blend of interactive lectures, hands-on exercises, and case study analyses. Participants will engage in group discussions and collaborative workshops to apply concepts to practical situations. Industry-standard tools and software will be emphasised, providing participants with the skills needed to implement these techniques in their projects.

Summary

This advanced course provides comprehensive training in estimating, planning, and scheduling projects within the oil and gas production sector. Participants will gain a deep understanding of the complexities of managing large-scale projects, including the latest tools and techniques used in the industry. By integrating theoretical knowledge with practical applications, this course prepares professionals to effectively manage projects from inception to completion, ensuring efficiency, cost-effectiveness, and adherence to timelines.

Course Content & Outline

Section 1: Fundamentals of Project Estimation

- Overview of estimation processes
- Key principles of cost estimation
- Techniques for accurate cost forecasting
- Case studies and practical exercises

Section 2: Project Planning Essentials

- Project lifecycle and phases
- Developing a robust project plan
- Resource allocation and management
- Risk management strategies

Section 3: Advanced Scheduling Techniques

- Introduction to scheduling tools and software
- Creating and managing project schedules
- Critical Path Method (CPM) and Program Evaluation Review Technique (PERT)
- Schedule compression and optimisation

Section 4: Integrated Project Controls

- Aligning cost estimation with scheduling
- Earned Value Management (EVM)
- Performance measurement and tracking
- Reporting and communication strategies

Section 5: Practical Applications and Case Studies

- Real-world project scenarios
- Group workshops and interactive sessions
- Best practices and lessons learned
- Final assessment and feedback

Certificate Description

Upon successful completion of this training course, delegates will be awarded a Holistique Training Certificate of Completion. For those who attend and complete the online training course, a Holistique Training e-Certificate will be provided.

Holistique Training Certificates are accredited by the British Assessment Council (BAC) and The CPD Certification Service (CPD), and are certified under ISO 9001, ISO 21001, and ISO 29993 standards.

CPD credits for this course are granted by our Certificates and will be reflected on the Holistique Training Certificate of Completion. In accordance with the standards of The CPD Certification Service, one CPD credit is awarded per hour of course attendance. A maximum of 50 CPD credits can be claimed for any single course we currently offer.

Categories

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