GTC Transforming Emerging Economies

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Exploration & Development of Fluvial, Shallow Marine & Deepwater Reservoirs

COURSE OVERVIEW

This course offers provides perspective to the unique geological settings and challenges associated with these reservoir types. The curriculum covers seismic interpretation, well planning, production optimization, and risk management to maximize hydrocarbon recovery. Participants will explore exploration strategies, reservoir characterization, and development techniques tailored to fluvial, shallow marine, and deepwater environments. Practical case studies and industry best practices are integrated to equip learners with the knowledge and skills necessary for effective reservoir management and development in diverse and complex settings.

WHO SHOULD ATTEND?

This course is designed for geoscientists, petroleum engineers, reservoir engineers, exploration managers, and technical professionals working in the oil and gas sector who seek to enhance their expertise in reservoir characterization and development planning. In the same vein, it is also suitable for early-career professionals, and researchers looking to bridge theoretical knowledge with industry practices in upstream exploration and production.

COURSE OUTCOMES

Delegates will gain the skills and knowledge to:

- Develop a strong grasp of depositional processes and their impact on reservoir quality and architecture.
- Apply integrated geological and geophysical methods to identify, evaluate, and model reservoir systems.
- Understand reservoir heterogeneity and its influence on exploration and production strategies.
- Gain insights into exploration risks, challenges, and mitigation approaches in fluvial, shallow marine, and deepwater environments.
- Translate depositional models into practical workflows for exploration, appraisal, and field development planning.

KEY COURSE HIGHLIGHTS

At the end of the course, you will understand;

- Detailed coverage of fluvial, shallow marine, and deepwater depositional models.
- Real-world case studies and industry-relevant examples.
- Practical application of seismic, well log, and core data for reservoir characterization.
- Integration of exploration, appraisal, and development workflows.
- Focus on risk analysis and decision-making in complex reservoir settings.

All our courses are dual-certificate courses. At the end of the training, the delegates will receive two certificates.
1. A GTC end-of-course certificate
2. Continuing Professional Development (CPD) Certificate of completion with earned credits awarded