GTC Transforming Emerging Economies
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# Clastic Reservoir Characterization

## COURSE OVERVIEW

This advanced course is designed to equip geoscientists and reservoir engineers with the knowledge and tools required to characterize clastic reservoirs for improved exploration, appraisal, and production decisions. Participants will explore the integration of core data, well logs, seismic data, and sedimentological interpretations to construct detailed reservoir models that capture heterogeneity and inform development planning.

Special emphasis will be placed on depositional environments, facies analysis, petrophysical evaluation, and data integration techniques that support reservoir mapping, volumetric estimation, and performance forecasting.

## WHO SHOULD ATTEND?

This course is designed for Geologists, Geophysicists, Reservoir Engineers, Petrophysicists, Stratigraphers, Sedimentologists, and other technical professionals involved in subsurface evaluation, reservoir modeling, or development of clastic plays.

## COURSE OUTCOMES

Delegates will gain knowledge and skills to:

- Interpret clastic depositional systems and environments
- Integrate core, well-log, and seismic data for reservoir characterization
- Perform facies analysis and correlate stratigraphic units
- Evaluate petrophysical properties critical to reservoir quality
- Construct and validate reservoir models that support field development
- Apply geostatistical and mapping techniques to reservoir studies

## KEY COURSE HIGHLIGHTS

At the end of the course, you will understand:

- Overview of clastic depositional environments (fluvial, deltaic, turbidite, etc.)
- Core description techniques and facies identification
- Well-log interpretation for lithology and porosity in clastic systems
- Seismic data integration and stratigraphic correlations
- Petrophysical parameters: porosity, permeability, water saturation
- Reservoir heterogeneity and quality prediction
- Construction of reservoir maps and cross-sections
- Case studies from real clastic reservoirs and analog fields

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