

**Location:** Taaeen/ ADNOC

**Date:** April 2025

**Duration:** 4 Days

**Fee:** English

**Course Title:** 2D and 3D Seismic Interpretation

### Learning Objectives:

- Develop proficiency in interpreting 2D and 3D seismic datasets.
- Apply seismic interpretation techniques to identify subsurface features.
- Evaluate reservoir potential using seismic attributes.

### Target Audience:

- Geophysicists, Seismic Interpreters, and Geologists
- Exploration & Development Professionals

### Daily Course Outline:

#### Day 1: Fundamentals of Seismic Interpretation

- Seismic wave propagation & data acquisition
- Reflection, refraction, and attribute analysis

#### Day 2: Structural & Stratigraphic Interpretation

- Faults, folds, and sequence identification
- 2D and 3D seismic techniques

#### Day 3: Reservoir Evaluation Using Seismic Attributes

- Direct hydrocarbon indicators (DHI)
- Seismic attributes for reservoir characterization

#### Day 4: Practical Interpretation Workshop

- Hands-on seismic dataset exercises
- Case studies and workflow integration

