Five Days Certified Training of PETREL and ECLIPSE Black Oil Simulator by Schlumberger

Overview:
Schlumberger organized a 5 days certified training on PETREL Reservoir Engineering (RE) and ECLIPSE Black Oil Simulation at Petroleum Engineering Department, NED University of Engineering & Technology for the final year students, third year students and the faculty. The training was divided into two parts:

- 2 days PETREL (RE) Training by Mr. Ahmed Nawaz, Lead Reservoir Engineer, Schlumberger
- 3 days ECLIPSE Black Oil Simulator Training by Mr. Salman Zahid, Reservoir Engineer, Schlumberger

The training enlightened the students with hands on skills on simulation for their final year projects. The main focus was to develop a conceptual understanding in the students, of the two most widely used softwares of Schlumberger in the Petroleum Industry. Twenty Eight Final year students of batch 2009-10 were selected for the training that went through a rigorous selection test conducted by the Schlumberger before the training. Moreover, three faculty members and three Third Year students were also included in the training by Schlumberger that were of top merit.
**PETREL RE Training.**

In the course of 2 days the following content was covered in PETREL RE which included:

- Basic Reservoir Engineering (PETREL Fundamentals and its Workflow)
- Building Static & Dynamic models from scratch
- Local Grid Refinement (LGR)
- Reserves Estimation & Field Development Strategies
- Fault Modeling & Aquifer modeling.

**ECLIPSE Black Oil Simulation Training.**

The 3 days which were reserved for ECLIPSE – Black Oil Simulation included:

- Making an ECLIPSE Data file (All eight sections in detail).
- History matching,
- Running predictions,
- Aquifer modeling.

**Tasks Assigned During the Training.**

The training was not only theory based learning but also different groups were made of students to make them perform the specified tasks which included:

- Static & Dynamic Modeling
- Scaling of Saturation tables
- History Matching

PETREL License was also granted to NED University of Engineering & Technology by Schlumberger.