



Indian Institute of
Technology Guwahati
SPE Student Chapter



Title: Enhanced Petroleum Recovery Processes – Priorities, Challenges, and Opportunities

Type: Short Course cum Workshop

Course instructor: Prof. Hemanta Sarma, Ph.D., Petroleum Eng.; Department of Chemical and Petroleum Engineering, University of Calgary, Canada

Venue: Chemical Engineering, IIT Guwahati

Organised by: SPE IITG Student Chapter

Coordinator: Prof. Anugrah Singh and Dr. Sumit Kumar

Date: 30-10-2023 to 02-11-2023 (Four days)

Delivery Mode: Hybrid (offline/online)

Course Content:

Day 1:

- Reservoir Engineering aspects for EOR
- Reservoir characterization
- Fluid Characterization
- Case study and Discussion

Day 2:

- EOR Screening: When is the time? What's the size of the PRIZE?
- Chemical EOR
- Case study and Discussion

Day 3:

- Miscible EOR
- CO₂ Sequestration
- Case study and Discussion

Day 4:

- Thermal EOR
- HSE implications, Monitoring and Surveillance
- Review and Summary
- EOR in India: present and future