

## **COURSE CONTENTS**

1. Chemistry of Crude Oil : Composition and Classification
2. Crude Oil Evaluation Techniques (fuels/ lube /feedstock)
3. Pre treatment of Crude Oil / Desalting Operation
4. Refinery configuration (Fuels, Lubes)
5. Crude Oil Distillation (Atm and Vacuum) Operation and Troubleshooting
6. Naphtha Hydrotreater
7. Naphtha Isom.
8. LOBS, Waxes and Greases – Grades/ Specification
9. Hydrocracking
10. DHDT/DHDS
11. Naphtha , Kerosene, Gasoline & diesel Fuels
12. Catalytic Reforming
13. Fluid Catalytic Cracking (FCC/RFCCU)/ Indmax
14. Sulphur Recovery Unit
15. Petroleum Coke
16. Solvent Dewaxing, Deoiling and Production Waxes & Hydrofinishing Unit
17. Sweetening Processes
18. Delayed Coking Unit
19. Hydrogen Production & Management
20. Lab visit / pilot plant