

## **DAY 1**

### **Introduction to Oil, Gas, and Petroleum Products Logistics**

- Definition and importance of logistics in the oil and gas industry
- Overview of oil and gas transportation modes
- Overview of the supply chain in the oil and gas industry
- Petroleum Refining and Petrochemical Industry Overview
- Petroleum Refinery Planning
- Multisite Refinery Network Integration and Coordination
- Statistics review of world energy
- Refining: A Technical Summary Investments, Margins, Costs

## **DAY 2**

### **Various Methods and Technologies Used to Transport Oil, Gas, and their Products (Transportation Modes)**

- Pipeline Transportation
  - Types of pipelines
  - Pipeline construction and maintenance
  - Pipeline safety and regulations
- Maritime Shipping
  - Types of vessels
  - Shipping routes and ports
  - Maritime regulations and safety
- Trucking
  - Types of trucks and trailers
  - Trucking regulations and safety
- Rail Transport
  - Types of railcars
  - Rail transportation regulations and safety

## **DAY 3**

### **Terminal Operations**

- Overview of petroleum terminals
- Types of terminals

- Terminal operations and safety

## **DAY 4**

### **Environmental Considerations**

- Overview of environmental regulations in the oil and gas industry
- Environmental considerations in oil and gas logistics
- Case studies of environmental incidents and their impact on the industry

## **DAY 5**

### **Future of Oil, Gas, and Petroleum Products Logistics**

- Emerging technologies in logistics
- Future trends and challenges in the oil and gas industry
- Conclusion
  - Summary of key concepts covered in the course
  - Implications of logistics on the oil and gas industry