

**CSIR-INDIAN INSTITUTE OF PETROLEUM
(Training)**

**Proposal for conducting a Training Programme on
“PETROLEUM REFINING TECHNOLOGY AND PETROCHEMICALS”
for Tanzanian Officers under ITEC MEA New Delhi Govt of India
(31/03/2025 to 11/04/2025)**

PROGRAMME CONTENTS

Sl. No.	Topics
1.	Petroleum Refining Industry and Future Trends
2.	Chemistry of Crude Oil: Composition and Classification
3.	Crude Oil Evaluation Techniques (for fuels/lube/feedstock)
4.	Pretreatment of Crude Oil/Desalting Operation
5.	General refinery configuration (Fuel, Lubes and Petrochemical Integration)
6.	Role of Catalysts in Petroleum Refining
7.	Crude Oil Distillation (Atm & Vacuum)
8.	Fundamental – Operation of catalytic Reforming Units (CRU/CCRU)
9.	Fluid Catalytic Cracking (FCC/RFCCU)
10.	Diesel Hydro treatments (DHDS/DHDT)
11.	Isomerisation//MSQ/Prime G+ units
12.	Hydro cracking Units
13.	Thermal Conversion Processes: Visbreaking, Delayed coking
14.	Lube Extraction (NMP & Furfural)
15.	Corrosion problem in Refinery
16.	Integration of Refinery and Petrochemicals
17.	Lab visits/Pilot plant visits and study tour
