

## Training Program on “Petroleum Refining Technology” (July 20-31, 2026 )

**Theme: Transforming Refineries for the Future: Technology, Efficiency and Sustainability**

### Objectives of Training Program

The two week training program on “Petroleum Refining Technology” for refinery engineers. The training program is designed with current industry priorities such as maximizing conversion, processing opportunity crudes, energy efficiency, hydrogen management, sustainability, and refinery-petrochemical integration.

### Who should attend

This training program is ideal for professionals in refinery operations, process optimization, technical services, project execution, and energy management. It is particularly beneficial for:

**Process & Operations Engineers:** Personnel in process units, operations, production, and technical services focused on unit performance, monitoring, and troubleshooting.

**Design & Project Engineers:** Professionals engaged in refinery expansions, revamps, and modernization projects.

**Energy & Utility Engineers:** Managers and engineers responsible for energy efficiency, utility systems, steam, and power.

**Maintenance, Reliability & Inspection Engineers:** Team members focused on asset integrity, corrosion control, and equipment reliability.

**Cross-Industry Professionals:** Engineers from petrochemical, natural gas, and broader energy sectors wanting to learn modern refining technologies.

**Managers & Executives:** Decision-makers involved in strategic planning, operations management, and technology selection.

### Recommended Experience Level

The program is most suitable for Graduate Engineers and Young Professionals (1–5 years of experience), Middle level Executives / Engineers and Technical Specialists .

### Program Content

- Introduction to Petroleum Refining
- Crude Oil Evaluation & Distillation
- Role of Catalysis in Petroleum Refining
- CDU/VDU
- Fluid Catalytic Cracking (FCC)
- Hydrocracking
- Catalytic Reforming
- Isomerization
- Alkylation
- Delayed Coking
- Treatment Processes & Product Quality
- Hydrogen Production and Management
- Pinch Analysis and Energy Integration
- Process Safety, Environment & Sustainability
- Major Heavy-End Petroleum Products
- Advanced Refining Technologies and Future Refinery Concepts
- Six Sigma Tools and Techniques for Refinery optimization
- Energy efficiency in Refineries and utilities
- Refinery Petrochemical integration
- Corrosion control, and equipment reliability
- Pilot Plants/Laboratory Visits

### Faculty for the Program

Our programs are delivered by highly experienced scientists and subject matter experts from CSIR-IIP, selected through a meticulous evaluation process to ensure unparalleled course quality and relevance. To further enrich the learning experience, we invite distinguished guest faculty from academia, refineries, and industry consultancy firms. Together, they bridge the gap between advanced theoretical knowledge and practical, real-world application, delivering an impactful training experience for every participant.



# CSIR-Indian Institute of Petroleum



## Training Program on “Petroleum Refining Technology” (July 20-31, 2026 )

**Theme: Transforming Refineries for the Future: Technology, Efficiency and Sustainability**

### About CSIR-IIP

CSIR-Indian Institute of Petroleum (CSIR-IIP) is located in the beautiful Doon valley at the foothills of Himalayas. One of the 37 constituent laboratories of the Council of Scientific & Industrial Research (CSIR), it is a premier organization dedicated to Research & Technology development in Energy and Chemical sectors. The Institute has continued its efforts to grow into an internationally renowned R&D organization, providing quality research and innovative technologies for national and international markets and customized technical support to industry. CSIR-IIP was established on 14<sup>th</sup> April 1960 with initial technical collaboration with Institut Francais du Petrole (IFP), France. CSIR-IIP is equipped with State-of-the-art equipment, bench/pilot scale facilities and other infra-structural support for research in petroleum refining, petrochemicals, alternate fuels biofuels and utilization of petroleum products. CSIR-IIP has helped refineries in selection and implementation of new innovative technologies and optimization of existing refinery operations. It has more than 2000 publications in International journals. IIP has a strong IP portfolio with 285 granted Indian patents and 160 granted foreign patents. CSIR-IIP has been the key training solution provider not only to Indian and international refineries but also to chemical, automotive and transport sector.

### Program fee

The Training Program is a moderately priced residential offering, thoughtfully designed to deliver maximum value to participants from industry, public sector organizations, and academia. The program fee shall be Rs 90000/- per person plus 18% GST (as applicable) including comfortable residential accommodation at Dr B.R. Ambedkar International Training Centre / IIP Guest House within the campus, Expert lectures, interactive sessions, Breakfast, lunch, dinner, and tea/coffee during sessions, training kit and course material(soft copy), CSIR-IIP certificate of participation, local hospitality and support.

### Contact Information

#### Director CSIR-IIP

CSIR-Indian Institute of Petroleum ,

Dehradun - 248005

Phone : 0135-2525709

Email : [director.iip@csir.res.in](mailto:director.iip@csir.res.in)

#### Premchand N

#### In-Charge Training

CSIR-IIP, Dehradun

Phone :0135-2525952, 9481709862

Email : [premchand.nerusu@csir.res.in](mailto:premchand.nerusu@csir.res.in)

Email : [rajnish.bhatnagar@csir.res.in](mailto:rajnish.bhatnagar@csir.res.in)

### Bank details : E-transfer of Program Fee

Name of Bank : State Bank of India  
Name of the : Director, Indian Institute of  
Account holder : Petroleum, Dehradun.  
Bank Account No : 30266912400  
Branch : IIP Township, Mohkampur  
Dehradun, India  
SWIFT Code : SBININBB380  
11 Digit IFS Code : SBIN0002359  
MICR No. : 248002007  
GSTIN : 05AAATC2716R2ZK  
*Bank Transfer / NEFT / RTGS*  
*GST-compliant invoice will be issued post-payment*