



सीएसआइआर भारतीय पेट्रोलियम संस्थान



**BASIC SKILL DEVELOPMENT TRAINING ON
“Industrial Catalyst Preparation and Micro Reactor Studies”
(15th to 26th September 2025)**

CSIR-INDIAN INSTITUTE OF PETROLEUM

INTRODUCTION

CSIR-IIP has state-of-the-art R&D facilities, experienced and qualified staff and the institute maintains its leading position in conducting training programs for the personnel from refining, petrochemical, automotive, power and related user industry. More than 10,000 personnel from India and abroad have been trained.

CSIR-IIP conducts skill development programs under '**CSIR Integrated Skill Initiatives (ISI)**' and applications are invited from eligible participants for basic skill development training program on "**Industrial Catalyst Preparation and Micro Reactor Studies**".

Our Catalytic Reforming Area is equipped with range of catalyst preparation, numerous test measurement instruments and our scientists having vast knowledge base and working experience. The participants will have the opportunity to obtain a broad working knowledge of Industrial Catalyst preparation and Micro Reactor Studies.

CSIR INTEGRATED SKILL INITIATIVE

GET IN TOUCH



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CSIR INTEGRATED SKILL INITIATIVES



BASIC SKILL DEVELOPMENT TRAINING ON

“INDUSTRIAL CATALYST PREPARATION AND MICRO REACTOR STUDIES”

OBJECTIVES & SCOPE

Training is aimed at providing knowledge and hands on experience on catalyst preparations & evaluation to those new to the hydrocarbon & petrochemical industry / R&D institute/academics

AFTER SUCCESSFUL COMPLETION

With exposure to advanced analytical instrumental facilities backed by theoretical clarity, a person will be able to develop precise evaluation approach for research and development activities/quality compliances besides running routine analytical tests depending upon individual's ability and dedication in learning the skill.

CONTENTS

Theory

- Introduction to Catalysts and Catalysis
- Catalyst materials and promoters
- Synthesis of catalyst (common methods)
- Catalyst modification (pre & post)
- Important catalytic reactions

Practical

- Basic work for catalyst preparation
- Selection of raw materials and their preparation
- Extrudates formation / shaping of catalyst support
- Thermal treatments involved in catalyst finishing such as Drying and calcination
- Pre and post modification of catalytic materials
- Metal incorporation / support fictionalization in catalyst preparation
- Reaction studies of all the prepared catalyst

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IMPORTANT DATES

- Last date for submission of Application : 11th September 2025
Course Duration : 15th to 26th September 2025

Seats are limited to a maximum of 15 participants. Register early!

PRE-REQUISITES / QUALIFICATION

Having graduation and post graduation in Chemical Sciences & Petroleum Engg

Age : 20-40years

WHO SHOULD JOIN

Resident Indian having desire to excel in the area of R&D/ Quality Control OR wants to acquire broad knowledge of testing and evaluation for competitive examinations.

SALIENT FEATURES OF THE PROGRAM

- Theory : Practical :: 40 : 60
- Interactive sessions for in-depth knowledge sharing.
- Evaluation of trainees will consist of both Theory & Practical component.
- Certificates will be awarded on successful completion of the training.
- Exposure to R&D labs

COURSE FEES / TERMS AND CONDITIONS

- Candidates have to apply as per the application format in the given link below along with one set of self-attested documents (Hard copy of application).
- All documents in original to be shown at the time of enrolment.

[FORM download \(pdf\)](#)

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A non-refundable course fee of ₹ 2500 (Rupees Two Thousand Five Hundred only) per person is applicable for students/unemployed candidates, and ₹20,000 (Rupees Twenty thousand only) for sponsored candidates.

The SC/ST/EWS candidate will get 25% discount in the above fee structure.

Course Fee shall be paid through electronic mode after confirmation only.

Boarding & Lodging charges extra as per the prevailing rates of IIP Hostel and subject to availability.

Name of Bank	: State Bank of India
Name of the account holder	: Director, Indian Institute of Petroleum, Dehradun.
Bank Account No	: 30266912400
Branch	: IIP Township, Mohkampur Dehradun, India
SWIFT Code	: SBININBB380
11 Digit IFS Code	: SBIN0002359

TRAINING VENUE : CSIR-Indian Institute Of Petroleum P.O.: IIP Mohkampur, Haridwar Road, Dehradun-248 005, Uttarakhand (India).