



**CSIR-INDIAN INSTITUTE OF PETROLEUM
DEHRADUN, UTTARAKHAND, INDIA**



Training Center



Training Center, Aerial View

BRIEF PROFILE OF 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 14th 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, transport sector and government agencies.

OBJECTIVES OF TRAINING PROGRAMS

Our training programs are designed to disseminate up-to-date knowledge in the area of petroleum refining, petrochemicals, alternative fuels, biofuels and sustainable technologies. We give particular emphasis on the quality of training content. The duration and batch sizes are also customizable as per the requirement of the participating organization. As a part of our training program we conduct lab and pilot plant visits to provide experiential learning of the content covered in the classroom training. Our training programs are primarily residential and cover boarding and lodging. For recreation of participant we have gymnasium and sport facilities within the training center. We also organize few site seeing trips to the nearby tourist places on the weekends. In addition to the technical lectures our training courses include few courses on ethics, code of conduct and office etiquettes. The overall objective of our training program is to not only upskill the technical quotient of the participants but also make them more motivated and committed to their organization.

FACULTY FOR TRAINING PROGRAMS

Our training courses are taken by our in-house subject matter expert and very experienced scientists and engineers. They are selected by critical evaluation and their course content is reviewed to ensure they are highly informative, easy to understand and relevant to the participants. We also invite distinguished guest faculty from academia, research bodies, industries, refineries, and consultancy firms to further enrich the programs with comprehensive theoretical knowledge and real-world examples.

LIST OF TRAINING PROGRAMS (Course content & Duration can be customized on request)

FLAGSHIP PROGRAMS

- Petroleum Refining Technology (6 - 7 weeks)
- Analysis of Petroleum and Petroleum products (2 - 3 weeks)
- Analysis of Petroleum Products used in Power Plants (2 - 3 weeks)
- Crude Assay Using Physicochemical and Analytical Methods (1- 2 weeks)
- Application of Fuels & Lubes in Automotive/Industrial Machines (2 - 3 weeks)
- Engine Fuel, Quality Requirements and Emissions Norms (1- 2 weeks)
- Physicochemical Analysis and Performance Test Methods for Lube Oils and Additives (2 - 3 weeks)
- ITEC Training programs sponsored by Ministry of External Affairs , Govt of India for foreign nationals

ADVANCED PROGRAMS

- Advances in Petroleum Refining & Petrochemicals Technologies (1- 2 weeks)
- Advances in Processing & Handling of Heavy Crude Oils (1- 2 weeks)
- Analytical Methods for Fuel Adulteration and Testing of Petroleum Products (1- 2 weeks)
- Electric Mobility & Advanced Automotive Technology (1- 2 weeks)
- Process Integration (Pinch Analysis) in Refining Industry for energy conservation (1- 2 weeks)
- Real World Driving Emissions / Vehicular Emission and Control (1- 2 weeks)
- Present & Future Automotive Fuels/ Flex Fuels (1- 2 weeks)
- Advanced Analytical Training in Chromatography, Mass Spectrometry, X-Ray, Thermal Analysis, Elemental & Microscopic Analysis for QA/QC Professionals. (1- 2 weeks)

SPECIALIZED PROGRAMS

- Utilization of Biomass into Fuels and chemicals (1- 2 weeks)
- Solvent Extraction Technology (1- 2 weeks)
- Operation and Maintenance of CFR Engines (1- 2 weeks)
- Deposit Rating of Small S.I. Engine Components (1- 2 weeks)
- Testing of Bitumen and Bitumen Binders as per BIS/IRC/SHRP Specifications (1- 2 weeks)
- Analytical Instrumentation Techniques – Application to Forensic Science (1- 2 weeks)
- Corrosion Control & Material Selection in Refineries (1- 2 weeks)
- Life Cycle Analysis and Carbon Neutrality (1- 2 weeks)

Training Programs

CSIR-IIP, Dehradun

WHO SHOULD ATTEND

Our training programs are fully customizable and designed for a wide range of participants from academia, industry, policy makers and government agencies. The course can be customized for both freshers and experienced professionals working in the domain of R&D, Technical Services, Operation, QA/QC, Planning and Scheduling, Teaching, Administration and Policy Making.

Participants having educational qualifications e.g., Undergraduates, Graduate (B.Sc./B.Tech.) Postgraduate (M.Sc./M.Tech.) and Doctorate from engineering and science backgrounds can participate in our training programs.

Professionals from oil refineries, petrochemical complexes, R&D organizations, Universities, Research Institutes and various government agencies can be benefited from our training programs.

Our all training programs are now designed to provide significant insights on environment and sustainability.

TRAINING FACILITIES & LOCATION

Our Dr B.R. Ambedkar International Training Centre at CSIR-IIP campus is well-equipped to host high-quality training programs in a conducive learning environment. The training center is equipped with multiple Lecture Theatres, Auditorium and Conference Rooms. The Lecture Theatres are equipped with state-of-the-art audio-visual systems, including multimedia projection and sound facilities.

Our training center at CSIR-IIP can accommodate up to 60 participants and faculty members ensuring comfortable lodging during the program.

A fully equipped in-house catering service is available at our Training Centre for providing hygienic and nutritious meals to participants.

Training center is equipped with gymnasium and sport facilities for recreation of participants.

Location and Accessibility

CSIR-IIP is located in a picturesque and serene area, approximately 8 km from the main Dehradun city center, on the Dehradun–Haridwar Road.

Connectivity:

Dehradun is well connected by road, rail and air from various Indian cities. Distance from Jolly Grant Airport 15Km, Distance from Dehradun Railway Station 8Km, Distance from ISBT Dehradun 10Km, Distance from New Delhi 240Km

CONTACT INFORMATION

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Some of our Training Participants