



## CSIR-INDIAN INSTITUTE OF PETROLEUM

(Council of Scientific & Industrial Research)

P.O.: IIP Mohkampur, Haridwar Road,  
Dehradun-248005, Uttarakhand (India)

Website: [www.iip.res.in](http://www.iip.res.in)



### Basic Skill Development Training on 'Welding cum Fitting'

#### Introduction

With experienced and qualified staff and comprehensive state-of-the-art R&D facilities the institute maintains its leading position in conducting training programs for the personnel from refining, petrochemical, automotive, power and related user industry. More than 8000 personnel from India and abroad have been trained on different requirements.

As per the initiatives taken by the institute for 'CSIR-IIP Integrated Skill Development Training Programs' applications are invited from eligible Indian nationals for the program on Welding & Fitting. Our workshop is well equipped with range of auxiliary equipment for fitting / welding operations, properly ventilated and has correct screening to protect trainees.

#### Objectives & Scope

Training is aimed at providing broad working knowledge of the Welding and Fitting Area which include detailed introduction of technique principles and in-depth hands on practices.

#### Contents

**Welding:** Brazing, Soldering, Gauging.  
AWS classification of Electrode & Filler metal selection.  
Types & position of welding, welding terminology & procedure,

Welding standards, safety & metallurgy.  
Quality control tests for welding defects, inspection of welding defects & their remedies, Welding procedure specification (WPS), Welding qualification & certification test instruction.

Practical training for SMAW & Fitter, Practical training for GTAW / TIG & Fitter, training for Oxy- Acetylene Gas Welding and practical training for Oxy- Acetylene Gas Cutting. Practical Training for Brazing, & Soldering.

**Fitter :** Fitter Trade Theory Introduction & Safety, Measurement & Measuring Tools, Marking & Marking Tools, Hand Tools, Cutting Tools. Screw Thread & Fasteners.

Metal & Metal Heat Treatments, Modern Precision Instruments, Gauge & Template, Transmission & Power, Limits & Fits, Surface Finish, Lubricant & Cooling.

Jigs & Fixtures, Installation & Maintenance of Machines, Pipe & Pipe Fittings, Sheet Metal, Lathe, Black Smithy, Other Machine Tools, Lifting Appliances, Inspection & Job Study.

Practical Training for above Fitter trade related aspects.

#### After successful completion

A person will be able to execute from routine welding operations, fabrications to creating designer decorative items depending upon his caliber and dedication in learning the skill.

#### Pre-requisites

No pre-requisites besides educational qualification being high school/Class 10 passed. **20 - 45** years of age. (Age/qualification relaxation as per Govt. of India Rules/discretion of Director, CSIR-IIP).

#### Who Should join

**Any Indian citizen** who is new to the industry or willing to tap and grow with growing industrial activities either by raising his own workshop or making career with companies already in the field.

Salient features of the program	
<ul style="list-style-type: none"> <li>• Theory: Practical :: 20 : 80.</li> <li>• Small group of 05 Trainees in each program.</li> <li>• Interactive sessions on fabrication workshop floor.</li> <li>• Motivation for self employment, Entrepreneurship development &amp; personality development.</li> <li>• Certificates /Skill cards will be awarded on successful completion of the training.</li> <li>• Evaluation of trainees will consist of both Theory &amp; Practical component.</li> </ul>	
Contact for Registration	Course Fees / Terms and Conditions
<p>Please send hard copy of application and documents at following address:</p> <p><b>Sh C D Sharma</b>  <b>Co-ordinator, Skill Development Training Program</b>  <b>CSIR-Indian Institute of Petroleum</b>  <b>Mohkampur, Haridwar Road</b>  <b>Dehradun - 248005</b></p> <p>You may also correspond, send soft copy of application at following e-mail:</p> <p><b>e-mail: <a href="mailto:cdsharma@iip.res.in">cdsharma@iip.res.in</a></b>  <b>e-mail: <a href="mailto:aniljain@iip.res.in">aniljain@iip.res.in</a>,</b>  <a href="#">Form download (MS Word)</a></p> <p><b>Contact phone nos.</b>  <b>Sh C D Sharma, Tel No 0135-2525950, M- 9412028789, 8830808928</b>  <b>Dr Anil K Jain, Tel 0135- 2525743(O), M-9897119578</b></p>	<p>A non-refundable course fee of Rs..... to be paid at the time of admission.  Course Fee shall be paid through E-payment option.</p> <p><b>Bank Account Details facilitating e-transfer of Payment :</b></p> <p><b>Name of Bank : State Bank of India</b>  <b>Name of the account holder : Director, Indian Institute of Petroleum, Dehradun.</b>  <b>Bank Account No : 30266912400</b>  <b>Branch : IIP Township, Mohkampur Dehradun., India</b>  <b>Contact Person : Dr. Anil K Jain, e-mail : <a href="mailto:aniljain@iip.res.in">aniljain@iip.res.in</a></b></p> <p><b>SWIFT Code : SBININBB380</b>  <b>11 Digit IFS Code : SBIN0002359</b>  <b>MICR No. : 248002007</b>  <b>GSTIN : 05AAATC2716R2ZK</b></p>
How to Apply & Selection	
<ul style="list-style-type: none"> <li>• Candidates have to apply as per the application format in the given link below.</li> <li>• Selection will be made based on criteria after scrutiny of applications.</li> <li>• All documents in original to be shown on the interview/ selection day and one self-attested set of documents to be submitted on the date of interview/selection.</li> </ul> <p><b>Training venue :</b> CSIR-Indian Institute Of Petroleum  P.O.: IIP Mohkampur, Haridwar Road, Dehradun-248 005, Uttarakhand (India).  No TA/DA and accommodation for interview will be provided to the candidates.</p>	
Important dates	
<p>Last date for submission of Application :  Declaration of participant :  Enrolment dates :  Commencement of course :</p>	
CSIR-Indian Institute of Petroleum, Dehradun	