



## CSIR-INDIAN INSTITUTE OF PETROLEUM

(Council of Scientific & Industrial Research)

P.O. IIP Mohkampur, Haridwar Road,  
Dehradun-248 005, Uttarakhand (India)

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



### Basic Skill Development Training Program on 'Glass Blowing'

#### Introduction

With experienced, 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 'Glass Blowing'.

Our Glass blowing Workshop is equipped with range of glass blowing tools, auxiliary equipment, raw-material and consumables etc. Training booths in Glass Blowing workshop have correct ventilation and correct screening to protect trainees.

#### Objective and Scope

Training is aimed at providing detailed introduction to in-depth hands on practice to those new to the industry or wishing to develop their career further in the Glass Blowing / Molding Area.

#### Contents

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| <ul style="list-style-type: none"><li>• Different Types of Glasses,</li><li>• Identification of different types of glasses,</li><li>• Different types of flames,</li><li>• Working point, Annealing point, Flame annealing of glass, Strain point,</li><li>• Glass thermal properties</li><li>• Coefficient of thermal expansion of glasses,</li><li>• Bursting pressure of Glass.</li><li>• Introduction to Glass blowing equipments, pressure regulator, glass blowing burners</li></ul> | <ul style="list-style-type: none"><li>• Glass bending, cutting, grinding, surfacing</li><li>• Fire polishing and flaring ends</li><li>• Glassware joints: T,Y, +etc.</li><li>• Glass fusion</li><li>• Round bottom/Flat bottom</li><li>• Bulb Blowing</li><li>• Capillary tubing, test tubes with different open edges</li><li>• Jacketed Condenser, Columns, Vessels</li><li>• Ring &amp; Side tube Joints</li><li>• Introduction to workshop safety</li></ul> |
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#### After successful completion

A person will be able to execute from routine blowing operations, fabricating hardware for R&D experiment to creating designer decorative items depending upon his caliber and dedication in learning the skill.

#### Pre-requisites

No pre requisites beside 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** having strong desire to excel in niche area of Glass Blowing either by raising his own workshop for tapping R&D experimental set-up requirements, the decorative item market or simply making carrier with companies already in the field.

Salient features of the program	
<ul style="list-style-type: none"> <li>• Theory: Practices :: 20 : 80.</li> <li>• Small group of 05 Trainees in each program.</li> <li>• Interactive sessions Glass Blowing floor for in-depth knowledge sharing</li> <li>• Evaluation of trainees will consist of both Theory&amp; Practical component.</li> <li>• Certificates will be awarded on successful completion of the training.</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>Course Fee shall be paid by E-payment option.</p> <p><b>Bank Account Details facilitating e-transfer of Funds/Payment</b></p> <p>Name of Bank : <b>State Bank of India</b>  Name of the account holder : <b>Director, Indian Institute of Petroleum, Dehradun.</b>  Bank Account No.: <b>30266912400</b>  Branch : <b>IIP Township, Mohkampur, Dehradun., India</b>  Contact Person : <b>Dr. Anil K Jain,</b>  <b>e-mail : <a href="mailto:aniljain@iip.res.in">aniljain@iip.res.in</a></b></p> <p>SWIFT Code : <b>SBININBB380</b>  11 Digit IFS Code : <b>SBIN0002359,</b>  MICR No. : <b>248002007</b>  GSTIN : <b>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 oneself-attested set of documents to be submitted on 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><b>Last date for submission of Online Application :</b>  <b>Declaration of participant :</b>  <b>Enrolment dates :</b>  <b>Commencement of course :</b></p>	
CSIR-Indian Institute of Petroleum, Dehradun	