

STC/F-01



Central Institute of Petrochemicals  
Engineering & Technology (CIPET)  
CIPET-CSTS, Aurangabad

SHORT TERM COURSE  
ON  
"Testing & Quality control of Plastic  
Pipes  
"

04.07.2024 to 05.07.2024

Coordinator

**Dr. Piyush Kumar**  
**Technical Officer**

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**CIPET: CENTRE FOR SKILLING &  
TECHNICAL SUPPORT (CSTS)**  
J-3/2, MIDC INDUSTRIAL AREA,  
CHIKALTHANA, AURANGABAD-431006

### CIPET AURANGABAD PROFILE

Central Institute of Petrochemicals Engineering & Technology (CIPET) (formerly known as Central Institute of Plastics Engineering & Technology (CIPET)) was established in 1968. CIPET: CSTS - Aurangabad is an ISO 9001:2015 certified institute for Training and Technical Services and our Plastics Testing Centre is accredited by NABL for ISO 17025:2005 QMS and also recognized by Bureau of Indian Standards (BIS). The services of Third party Inspection (both pre & post-delivery) of CIPET is also accredited by NABCB, New Delhi as per ISO/IEC 17020 as Type "A" Inspection Body for Plastics, Rubber & allied products / materials.

#### Academic Activities:

**Long Term Programs:** Diploma, Post Diploma & Post Graduate Diploma courses in the area of Plastics Processing, Testing & Tooling catering to the need & requirement of Plastic Industries.

**Short Term Programs:** Various Skill Development training program, Re skilling /Up skilling Programs in the field of Plastics Processing: Injection Moulding/Blow molding/Roto molding/Extrusion/ Tool Room & Design / Testing for a period of 1 day to 6 months.

The Institute has well established Functional and Supporting departments.

#### Facilities:

##### Processing Machines:

Latest Technology Machineries of wide range are available for Training & Technical Services viz., Automatic Injection Moulding Machine, Automatic Blow Moulding Machines, Film Plants, Pipe Plants, Rotomoulding Machines etc.,

##### Tooling Machines:

Conventional machines like lathe, milling,

Surface grinding. Cylindrical Grinding, Radial Drilling Machine, Inspection Equipment & Accessories, Surface plate.

CNC Machines like CNC Milling machine, CNC/EDM machine, CNC wire cut machine and CNC lathe.

##### Testing Machines:

Melting point apparatus, Shore A & Shore D Hardness Tester, Impact tester, Universal testing machine (UTM) (Fully Computerized). Comparative tracking index. Dielectric strength apparatus, Long /Short term Hydrostatic Pressure Test apparatus for pipes, Melt flow indexer, HDT/VSP apparatus, Carbon black content apparatus, FTIR, DSC, TGA, ESCR apparatus, Xenon arc weatherometer and many more product testing facilities

##### Design/CAD Facilities:

AUTOCAD 2018, CERO 2.0, NX8.0, CATIAV6-R21, Mould Flow 2014, Solid Works 2015, Solid Edge

##### Design Programs:

Plastic Product Design, Mold design,

CAM Programs:

Basic Programming in CNC

LATHE/MILLING/EDM/WIRECUT

**APPLICATION FORM / SPONSORSHIP FORM**

SHORT TERM COURSE  
ON  
**Testing & Quality control of Plastic  
Pipes**

Duration: 20 Hours

From: **04.07.2024 to 05.07.2024**

**Participant Details:**

Name:.....Age: .....

Qualification:.....

Name of the Company.....

Designation:.....

Experience:.....

Mailing Address:.....

E Mail Id:.....

Tel. No:..... **Mob No.**.....

**Enclosure**

Transaction Detail:.....

Dt.....For Rs.....

**A/c No. 120028052862; SME BRANCH,  
CANARA BANK JALNA ROAD,  
AURANGABAD; IFS Code: CNRB0003916**

Signature:.....

Date:.....

**COURSE CONTENT:**

- Plastic Materials & its application over view
- Plastic Extrusion Techniques-An Overview
- Testing parameters and sample preparations, conditioning of samples as per IS 4984:2016
- Polymer additives & specialty chemicals for HDPE Pipe applications.
- Practical demonstration on HDPE pipes testing as per IS 4984:2016-chemical & mechanical testing
- Discussion and clarification Discussions; on the current trends, Government. Policies and support, other applications & Innovations

**FOR WHOM:**

This course is designed for Working Plastics Professionals including Engineers, Managers Entrepreneurs, Start-up units under Clean India, Make India desiring to build upon a solid foundation in the area of Plastics Waste Management.

**METHODOLOGY: (Offline)**

- ❖ Lecture Classes
- ❖ Laboratory Observation
- ❖ Demonstrations/Practicals
- ❖ Discussion/Evaluation

**COURSE FEE: Rs.2000/- + GST for Working professionals & Rs.1000/-+GST for Students**  
(Fee includes the Certificate & itsdelivery)

**INTAKE CAPACITY:** Up to 20

**Programme:** Offline Mode

**Payment:**

Fees payable in the form of

IMPS/NEFT/RTGS/UPI in favor of CIPET Aurangabad. **A/c No. 120028052862; SME BRANCH, CANARA BANK JALNA ROAD, AURANGABAD; IFS Code: CNRB0003916**

Fee once paid will not be refunded. However Substitution will be acceptable without penalty.

**Basis of Admission:**

First come first Serve in order to avoid unnecessary cancellation of a course due to insufficient enrollment, please call/email as soon as possible to reserve a seat if you are considering attending a course.

**Registration:** Written communication by Email or letter .

**Tailor Made "In House "Course:**

We also provide cost effective training that meets the company individual needs and delivers to suits their schedule, whether on or Off- site. Please contact us for more details

**For further details, please write to:**  
**THE DIRECTOR & HEAD**  
**CIPET: CENTRE FOR SKILLING & TECHNICAL SUPPORT**  
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**Tel No.: 0240-2478302**