

केंद्रीय पेट्रोसायन अभियांत्रिकी एवं प्रौद्योगिकी संस्थान (सिपेट)

CENTRAL INSTITUTE OF PETROCHEMICALS ENGINEERING & TECHNOLOGY (CIPET)

रसायन एवं पेट्रोसायन विभाग, रसायन एवं उर्वरक मंत्रालय, भारत सरकार

Department of Chemicals & Petrochemicals,
Ministry of Chemicals & Fertilizers, Govt. of India



सिपेट CIPET

CIPET : Centre for Skilling & Technical Support (CSTS) Aurangabad



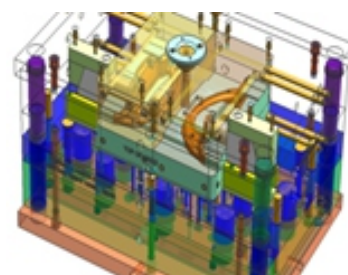
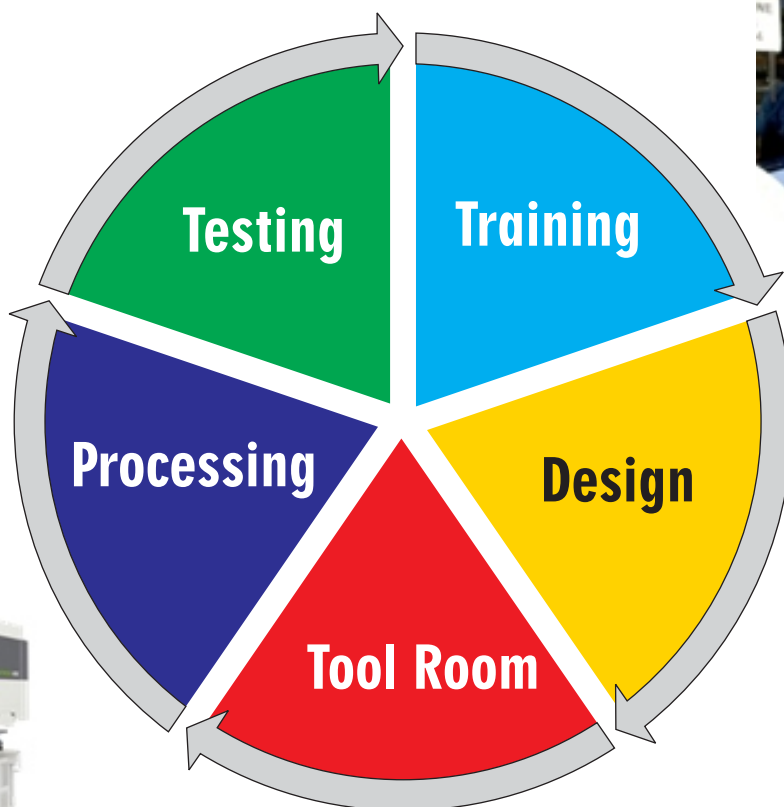
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E-mail : aurangabad@cipet.gov.in

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सिपेट CIPET



Catalyst for the growth of POLYMER Industries



Skill



Technology



Academic



Research

Aligned to National Missions

About CIPET : CSTS - AURANGABAD

Central Institute of Petrochemicals Engineering & Technology (CIPET) is premier national Institution under Dept. of Chemicals & Petrochemicals, Ministry of Chemicals & Fertilizers, Govt. of India.

CIPET Centre at Aurangabad (Maharashtra) was established in the year 2006, with support of Govt. of India and Govt. of Maharashtra. CIPET Aurangabad campus is having all the infrastructure facilities like Institute Building, Multistoried Academic Block, Design & Tool Rom, CAD/CAM/CAE Lab, Processing Shop floor, Plastic & Polymer Testing Laboratory, Separate Hostel for Boys & Girls, with all the amenities of Indoor & Outdoor sports, Gymnasium, Students' Club House, Auditorium surrounded with clean and green environment.



VISION

To become an apex Institute of International repute in the field of Petrochemicals Engineering and Technology and ensure sustainable growth.



MISSION

To offer blend of specialized Academic and Skill Development Training Programs in the field of Petrochemicals Engineering & Technology to provide qualified Human Resources with entrepreneurship qualities for Petrochemical & Allied Industries; To provide Technology Support in the form of Consultancy Services in the fields of Design, Tooling, Plastics Processing, Testing & Quality Assurance and Inspection Services to the Petrochemical Industries including plastic industries through a Quality Management System.

ACADEMIC COURSES OFFERED

POST GRADUATE DIPLOMA PROGRAM

Course Name - POSTGRADUATE DIPLOMA IN PLASTICS PROCESSING & TESTING (PGD-PPT)

Duration - 2 years

Eligibility - 3 year Full Time Degree in Science

Intake - 60

POST DIPLOMA PROGRAM

Course Name - POST DIPLOMA IN PLASTICS MOULD DESIGN WITH CAD / CAM (PD-PMD with CAD/CAM)

Duration - 1 ½ years

Eligibility - 3 year full time Diploma in Mechanical / Plastics / Polymer / Tool / Production / Mechatronics / Automobile / Tool & Die Making / Petrochemicals / Industrial / Instrumentation Engi./ Technology or DPMT/DPT or Equivalent

Intake - 30

DIPLOMA PROGRAM

Course Name - DIPLOMA IN PLASTICS MOULD TECHNOLOGY (DPMT)

Duration - 3 years

Eligibility - 10th Pass

Intake - 120

Course Name - DIPLOMA IN PLASTICS TECHNOLOGY (DPT)

Duration - 3 years

Eligibility - 10th Pass

Intake - 120

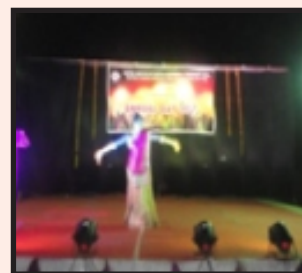
All Courses are approved by AICTE

Selection and Eligibility as per CIPET Admission norms



CAMPUS LIFE

For overall personality development of the students and to inspire them to participate in various activities, viz. annual day celebration, sports, debate, group discussion etc. are being organized



PLACEMENT ACTIVITIES

PRE PLACEMENT TRAINING ACTIVITIES

- ◆ Professional CV writing
- ◆ Personality & Leadership Development
- ◆ Entrepreneurship & Skill Development Sessions
- ◆ Preparation to Face Interview,
- ◆ Group Discussions, Mock Interviews etc.



PLACEMENT ACTIVITIES

- ◆ Continuous updation of renowned industries database
- ◆ Inviting reputed industries to place the trainees
- ◆ Organizing and conducting placement interviews, both through online and offline mode.
- ◆ Continuous monitoring and tracking of placed candidates
- ◆ Problems solving with HR at industry level.
- ◆ Collection of progress reports from respective industries.
- ◆ Preparation of Monthly Placement Reports.

Overseas placement is being provided to the Trainees with best package at abroad like UAE, China etc. viz. M/s Aalmir Plastic Industries, Sharjah, UAE, M/s Lapchi Moulding Co. Ltd (Hong Kong), M/s. Dongguan Chi Shing Plastic Products Ltd (China) and M/s Balmer Lawrie, UAE

ESTEEMED RECRUITERS



STUDENTS' PERFORMANCE

CIPET Aurangabad achieved more than 85% placement to its trainees with handsome salary package.

ALL INDIA RANK HOLDERS

All India Rank 3



Mr. SALVE HIMANSHU SANJAY
DPMT-I Sem.

All India Rank 4



Mr. UDAY KUMAR
PD-PMD-I Sem.

All India Rank 5



Mr. ABHISHEK KUMAR DEV
DPT-I Sem.

SCHOLARSHIP



CIPET Aurangabad facilitates students to avail scholarship under various schemes of **Government of Maharashtra (GOI Post Matric Scholarship)**. It assists Students to apply through MAHADBT portal, Government of Maharashtra and follow up with the departments till the disbursement of scholarship through Direct Benefit Transfer, as per the eligibility criteria of the concerned scholarship departments.



SOCIAL JUSTICE &
SPECIAL ASSISTANCE DEPARTMENT
GOVERNMENT OF MAHARASHTRA

STUDENT'S CLUB



EXTRA CURRICULAR ACTIVITIES:

CIPET has inaugurated activity clubs like :
Entrepreneurship Development Club, Music
Club, National Service Scheme, Photography
Club to promote inclination and to enlighten
the trainees hidden talent :



INFRASTRUCTURE

FACILITIES

- ➔ Design Lab - CAD/CAM/CAE Centre
- ➔ Tool Room
- ➔ Plastics Processing Workshop
- ➔ Plastics Testing Laboratories
- ➔ Hydraulics, Pneumatics & Maintenance Lab
- ➔ Fully Furnished Library
- ➔ Digital Library with E-Journals & Technical Videos
- ➔ Fully Furnished Class Rooms with Multimedia facility
- ➔ Conference Hall
- ➔ Video Conference Hall
- ➔ Fully furnished Hostel for 480 Boy's & 100 Girl's
- ➔ Special Cell for Skill Development Programs



CONFERENCE HALL



LIBRARY



PLASTICS PROCESSING



DESIGN LAB



BOYS HOSTEL



STUDENT ACTIVITY BLOCK

SKILL DEVELOPMENT

CIPET Aurangabad conducts various employment oriented Skill Development Training Programmes in the field of Plastics Processing, Injection Moulding, Extrusion, Design & Tooling, Testing sponsored by various Central & State Govt. departments and PSU's viz. DDU-GKY, NULM, MSSDS, BARTI, TARTI, NSFDC, REC, BPCL, GAIL, Power Grid Corporation, Coal India Ltd., PFC Ltd. etc. Training programs of 3 to 6 months duration are conducted under various schemes sponsored by State/Central Govt. Departments, Public/Private Sectors etc. for the benefit of under privileged / unemployed youths of SC / ST / OBC / Minority / Women / Economically Weaker Sections of the society

SKILL TRAINING ACTIVITIES :

- Regular Short Term Training programmes
- Entrepreneurship Development Training programmes
- CAD/CAM Training programmes
- Skill Upgradation Training programs for Diploma students
- Skill Development Training programs as per NSQF level 3 & level 4

Sr. No	Course Name	Duration (Hrs)	NSQF Level
1	Machine Operator – Plastics Processing	960 hrs	Level-4
2	Machine Operator – Injection Moulding		
3	Machine Operator – Plastics Extrusion		
4	Machine Operator – Blow Moulding		
5	Machine Operator – Tool Room		
6	Machine Operator – CNC Milling		
7	Machine Operator – CNC Lathe		
8	Machine Operator – Plastics Processing	480 hrs	Level-3
9	Machine Operator – Injection Moulding		
10	Machine Operator – Plastics Extrusion		
11	Machine Operator – Blow Moulding		



SKILL DEVELOPMENT

- ◆ Since its inception, CIPET Aurangabad has provided employment oriented skill development training to more than 8000 candidates and provided placement to the trained and eligible candidates in reputed plastics industry. (more than 80%)
- ◆ CIPET is registered training partner for NULM, PMKVY(AICTE), MAHJYOTI, NSFDC, NBCFDC etc. CIPET has aligned all its training modules as per the requirements of National Skills Committee (NSQC) Ministry Of Skill Development & Entrepreneurship, Govt. Of India.
- ◆ 37 Qualification Packs of Petrochemical sector have been aligned under National Skill Qualification Framework (NSQF).

BENEFICIARIES OF SDTP

- ◆ Educationally Underprivileged/Unemployed youths who are school drop outs, academically less oriented or diploma holders of ITI/ Polytechnic, undergraduates with need for skill enhancement & skill up-gradation.
- ◆ Unemployed Youth
- ◆ Economically Weaker Section of Society
- ◆ Women candidates
- ◆ Candidates sponsored by agencies
- ◆ Interested candidates can submit the application forms for joining the course by referring the advertisement released in leading National/Regional Newspapers, CIPET website, Electronic Media, etc

MAJOR SPONSORS



LEARNING OUTCOMES

The Overall objective of CIPET is to strengthen the capacity of youth for sustainable employment. We put this into practice through specific actionable objectives which are as follows :

- Equipping the young minds with the skill sets which would make them major driving force in technology/innovation and economic development.
- To built a sense of self reliance among the vulnerable unemployed youth through sustainable employment opportunities
- Acting as facilitator to bridge the gap between demand and supply of skilled workforce in the plastics and allied sectors
- Skill oriented short duration training for rural youths to help them in developing their technical and professional skills in the area of Plastics Processing , FRP, Plastics Moulds Manufacturing, Plastics Products & Mould Design, as well as Mechanical Drafting and Modeling with CAD software.
- To act as a centre of information, guidance and facilitation for rural folks
- To disseminate knowledge and appropriate skill practices through recognized system of training, testing and certification to validate competency level

TECHNOLOGY SUPPORT SERVICES

CIPET Aurangabad is fully equipped with State of the Art & latest CNC / Microprocessor Controlled machines & equipments in the area of Design, Tool Room, Plastics Processing, Product Testing & Quality Control, CAD/CAM/CAE and latest CNC tooling machines etc. The Testing facilities of CIPET Aurangabad are accredited by NABL as per ISO IEC 17025 : 2017 in the field of Testing and recognized by Bureau of Indian Standards (BIS). CIPET provides technical services to Plastics & Allied Industries in the field of Mould / Tool Development, Design of parts, Product Development, Product Manufacturing and Testing, standardization and Quality Control for plastics and other components.

TSS ACTIVITIES :

- Testing & Quality Control Services
- Product / Mould Design & Fabrication
- Spare Capacity Utilization of machines in Processing & Tool Room
- Third Party Inspection Services
- Consultancy & Advisory Services

CIPET also provides Third Party Inspection services for different plastic product and is accredited by NABCB as per ISO 17020 as Type – A Inspection Body. CIPET Aurangabad also provides third party inspection services on behalf of consignees for plastic pipes and products procured by the department under different Govt. schemes and Projects.



TECHNOLOGY SUPPORT SERVICES

CAD/CAM

- 125 Workstations (HCL, Dell, Lenovo)
- Autodesk Inventor, AutoCAD 2022
- Moldflow
- Creo 8.0
- Unigraphics (NX 8.0)
- CATIA V5.0 R20
- Solid Edge CAM Express
- ANSYS 15.0
- Solid Works 2020
- CNC Training Simulator (Turn & Mill)
- 3D Printer (FDM Technology)

Tool Room

- CNC Milling Machine
- CNC Lathe Machine
- CNC EDM Machine (4 Axis)
- CNC Wire Cut EDM
- CNC EDM Machine
- Coordinate Measuring Machine
- Visual Measuring Machine
- Laser Engraving Machine
- Cylindrical Grinding Machine
- Universal Tool & Cutter Grinding M/C
- Surface Grinding Machine
- Radial Drilling Machine
- Conventional Machines (Lathe, Milling, Drilling, Shaping, Grinding etc.)

Testing

- Universal Testing Machines
- Hydrostatic Pressure Testing Machines
- Burst Strength Tester
- Izod/Charpy Impact Tester
- Rockwell Hardness Tester
- FTIR
- Gas Chromatograph (GC)
- Differential Scanning Calorimeter (DSC)
- Thermogravimetric Analyzer (TGA)
- Atomic Absorption Spectroscopy (AAS)
- Water Vapor Transmission Tester
- Biodegradation/Compostability Test setup
- Dielectric Resistance Tester
- Arc Resistance Tester
- Volume & Surface Resistivity Tester
- UV-Vis Spectrophotometer
- UV Weatherometer
- Gloss / Haze / Opacity / Transparency tester

Processing

- Automatic Injection Molding Machines
- All Electric injection Molding Machine
- Automatic Blow Molding Machines
- Stretch Blow Molding Machine
- Rotational Moulding Machine
- Film Extrusion Plants
- Pipe Extrusion Plant
- Compression Molding Machines
- Thermoforming Machines
- Ultrasonic Plastic Welding Machine
- Hydraulic and Pneumatic Trainer
- Scrap Grinder, High Speed Mixture Blender
- Range of Hand operated / Semiautomatic Injection and Blow Molding Machines
- Ancillary equipments

TOOL ROOM



**CNC Milling Machine -
BFW BMV80 T20**



**CNC Milling Machine -
ACE MICROMATIC M-850V**



**CNC Milling Machine -
BATLIBOI CHETAK 75**



**CNC Milling Machine -
ACE MICROMATIC MCV 300**



**CNC Lathe Machine -
HAAS TL-1**



**CNC Milling Machine -
MTAB, MAXMILL+**



**CNC Lathe Machine -
ACE MICROMATIC LT2LM 500**



**CNC Die Sinking EDM -
AGIEMILLES ACT SP-1**



**CNC Die Sinking EDM -
MAKINO EDGE 3i (4 Axis)**



Precision Lathe



**Cylindrical Grinding
Machine**



3D Printing Machine

PROCESSING



STM -450



Milacron - Omega 350T



Milacron - Magna 275T



All Electric - JSW 180T



All Electric –
Milacron Elektron 155T



S&T 80T



Extrusion Blow Moulding
Machine – Zeel 500 ml



Stretch PET Blow Moulding
Machine – Swami



Rotational Molding
Machine – Roto 200L



Extrusion Blow Film
Machine – SMT 35mm

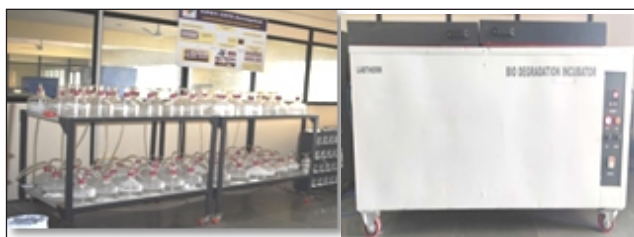


HDPE Pipe Extrusion



Roto Molding powder
Pulverizer

TESTING



Biodegradation/Compostability TEST setup



AAS



UV-Weatherometer



TGA



XENON-ARC Weatherometer



DSC



UV Spectrophotometer



FT-IR

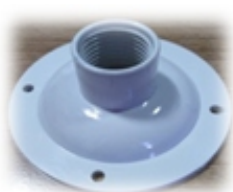


Glow-wire tester



UTM

PRODUCT DEVELOPED AT CIPET



INSPECTION SERVICES

ELITE CUSTOMERS



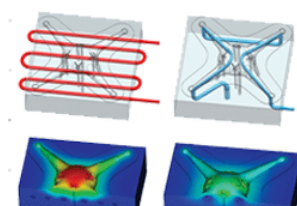
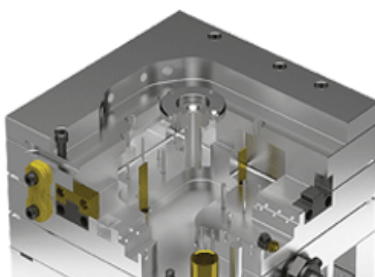
Inspection Activities by CIPET Officials



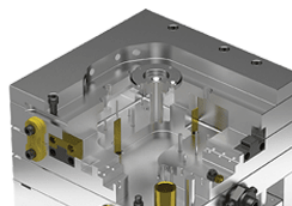
ELITE CUSTOMERS



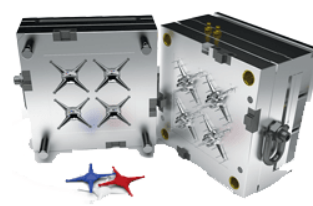
TECHNOLOGY SUPPORT SERVICES



DESIGNERS



MOLD MAKER



MOLDERS



ALUMNI SPEAKS



Shri. Vivek Deepak Kumbhkarn (DPT 2011-2014)

Entrepreneur

M/s. Mantrom plastics, M/s. Guruyog plastics,

M/s. Mantrom plastics consultancy

I Completed my Diploma in Plastics Technology (DPT). My learning at CIPET Aurangabad helped me to get a very clear perspective of the industry standards and expectations and which helped me shape up my career. The experienced Faculty and training methodology in CIPET has helped me in starting my own company. All credit goes to CIPET and its team. I advise the younger generation to study at CIPET which will give them a Bright Future.



Shri Harshal Rajput (PGD-PPT 2012-2014)

Head- Sales & Marketing (Engineering Polymer)

M/s. Shanta International

I have completed my Post-graduate Diploma In Plastics Processing And Testing (PGD-PPT) From CIPET Aurangabad and currently I am working with "SHANTA INTERNATIONAL PUNE" As a Sales & Marketing-Head for engineering polymer business. And "There's no doubt that CIPET has made me, and I'm sure that you will live up to everyone's expectations. CIPET understands the importance of time and dedication, and that is one of the reasons why I made this progress. I would like to tell the younger generation to choose CIPET for their best future.



Shri Yogesh Gomladu (PGD-PPT 2013-2015)

Production Manager, M/s Dhoot Compack Ltd.

I have completed my "Post Graduate Diploma in Plastics Processing & Testing (PGD-PPT)" course from CIPET Aurangabad in the year 2015. Presently I am working as a Production Manager at M/s Dhoot Compack Ltd. Aurangabad. This was possible because of CIPET course.

SPECIAL EVENTS



Tree Plantation



Workshops on Plastics Waste Management (PWM)



National Seminar on Recent Trends in Polymer Technology



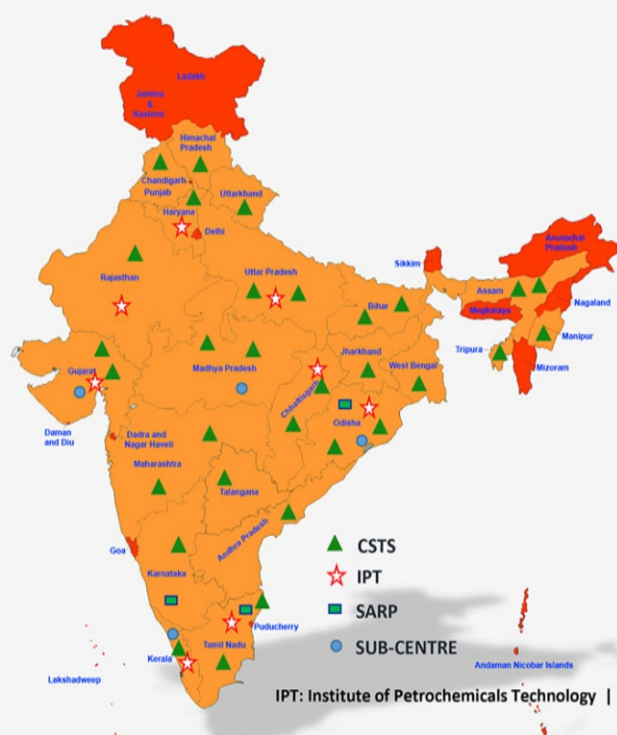
Industry Interaction Meet

OUTREACH ACTIVITIES

CIPET Aurangabad provided building with 300 bedded capacity to Aurangabad Municipal Corporation for COVID Care Centre (CCC) during Pandemic situation.



CIPET's – NATIONAL PRESENCE



IPT (08)
AHMEDABAD
BHUBANESWAR
CHENNAI
KOCHI
LUCKNOW
MURTHAL
RAIPUR
JAIPUR

SARP (03)
ARSTPS - CHENNAI
LARPM - BHUBANESWAR
APDDR - BENGALURU

Sub Centres (04)
PALAKKAD (IPT – KOCHI)
TAMOT (CSTS – BHOPAL)
PARADEEP (CSTS – BBSR)
BHAVNAGAR (IPT-AHMD)

CSTS (31)
AHMEDABAD
AGARTALA
AURANGABAD
AMRITSAR
BHUBANESWAR
BADDI
BALASORE
BHAGALPUR
BHOPAL
CHANDRAPUR
CHENNAI
DEHRADUN
GWALIOR
GUWAHATI
PWMC-GUWAHATI
HAJIPUR
HALDIA
HYDERABAD
IMPHAL
JAIPUR
KOCHI
KORBA
LUCKNOW
MADURAI
MURTHAL
MYSORE
NAVSARI
RAIPUR
RANCHI
VIJAYAWADA
VARANASI

HEAD OFFICE
CHENNAI

IPT: Institute of Petrochemicals Technology | SARP: School for Advanced Research in Petrochemicals | CSTS: Centre for Skilling & Technical Support

CONTACT DETAILS

Department	Name of the official	Mobile No.	E-Mail ID
CENTRE IN-CHARGE	Mr. A. K. Rao Director & Head	9445035650	aurangabad@cipet.gov.in
TOOL ROOM / DESIGN / PROCESSING / INSPECTION / PURCHASE	Mr. B. N. Mohana Manager (P/T)	9886518246	toolroom-aurangabad@cipet.gov.in, processing-aurangabad@cipet.gov.in, inspection-aurangabad@cipet.gov.in aurangabadpur@cipet.gov.in
LONG TERM TRAINING	Mr. M. T. Bharne Manager (T)	9325687902	ltc-aurangabad@cipet.gov.in
SKILL TRAINING & PLACEMENT	Mrs. Mousam Choudhury Sr. Technical Officer (P/T)	9777133903	vtc-aurangabad@cipet.gov.in
TESTING	Dr. Piyush Kumar Technical Officer	7890926806	testing-aurangabad@cipet.gov.in
ACCOUNTS & ADMINISTRATION	Mr. Tagore SVK Batta Asst. Officer (P&A)	9703907466	aurangabadadmin@cipet.gov.in