



सिपेट CIPET

CENTRAL INSTITUTE OF PETROCHEMICALS ENGINEERING & TECHNOLOGY (CIPET)

INSTITUTE OF PETROCHEMICALS TECHNOLOGY- JAIPUR

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



Unique Opportunities, Infinite Possibilities

INFORMATION BROCHURE

SP - 1298, Sitapura Industrial Area, Phase-III, Tonk Road, Jaipur - 302022

Contact No.: +91-9090968451, E-Mail: cipetiptjaipur@gmail.com

Website: www.cipet.gov.in



ABOUT CIPET: IPT-JAIPUR

CIPET: Institute of Petrochemicals Technology (IPT)- Jaipur is one of the high learning centres of CIPET, a premier national institute under the aegis of Department of Chemicals and Petrochemicals, Ministry of chemicals and fertilizers, Govt. of India. CIPET-IPT Jaipur is having state of the art facilities for Petrochemical Testing, Elemental Analysis, Plastics Processing, Product design using CAD/CAM/CAE and testing and quality control of Petrochemical materials and products. CIPET-IPT Jaipur is devoted to skill Training, Technology support, Academics and Research to cater to the needs of Petrochemical and allied industries in India and abroad.

VISION

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

MISSION

To offer blend of specialized Academic and Skill Development Training Programs in the field of Petrochemical Engineering and Technology in order to provide qualified Human Resources with entrepreneurship qualities for Petrochemical, Polymer and 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 through a Quality Management System.

Dedicated R & D wings on Petrochemicals will develop New Polymeric Materials and its Applications from Technology Transfer, Intellectual Property (IP) and Knowledge Base.

UNIQUE CREDENTIALS OF THE INSTITUTE

- Industry oriented infrastructure facilities.
- Skill oriented education system.
- Industry like ambience to nurture innovation.
- Exposure to do work with industry to enhance problem solving skills
- Industry experienced faculties.
- Learning exposure with live projects, industry visits etc.
- Extra co-curricular activities through students club and nurturing leadership skill.



ACADEMICS

CIPET: Institute of Petrochemicals Technology (IPT)- Jaipur is offering the following AICTE approved B.Tech. programs under the affiliation of Rajasthan Technical University (RTU) Kota, Rajasthan.

Bachelor of Technology in **Petrochemical Engineering**

AICTE Approved Intake: 30

Bachelor of Technology in **Mechanical Engineering**

AICTE Approved Intake: 60

Bachelor of Technology in **Plastic Technology**

AICTE Approved Intake: 60

PROGRAMS OFFERED



FEE STRUCTURE

Description	Sem.-I	Sem.-II	Sem.-III	Sem.-IV	Sem.-V	Sem.-VI	Sem.-VII	Sem.-VIII
TUTION FEE	24500	24500	24500	24500	24500	24500	24500	24500
USER CHARGES	5000	5000	5000	5000	5000	5000	5000	5000
INTERNAL EXAM FEE	1000	1000	1000	1000	1000	1000	1000	1000
LIBRARY FEE	1000	1000	1000	1000	1000	1000	1000	1000
CAUTION MONEY (REFUNDABLE-INST.)	1000	0	0	0	0	0	0	0
UNIFORM FEE	1500	0	0	0	0	0	0	0
ALUMNI FEE	500	0	0	0	0	0	0	0
ADMISSION FEE	1500	0	0	0	0	0	0	0
INSURANCE FEE	400	0	0	0	0	0	0	0
RTU DEEVELOPMENT FEE	2500	0	0	0	0	0	0	0
UNIVERSITY EXAMINATION FEE	1800	1800	1800	1800	1800	1800	1800	1800
Total	40700/-	33300/-	33300/-	33300/-	33300/-	33300/-	33300/-	33300/-

HOSTEL FEE DETAILS

Description of Fee	Sem.-I	Sem.-II	Sem.-III	Sem.-IV	Sem.-V	Sem.-VI	Sem.-VII	Sem.-VIII
ROOM CHARGES	10000	10000	10000	10000	10000	10000	10000	10000
CAUTION MONEY (REFUNDABLE-HOSTEL)	1000	0	0	0	0	0	0	0
TOTAL FEE	11000/-	10000/-	10000/-	10000/-	10000/-	10000/-	10000/-	10000/-

* Mess Charges Rs. 2700/- Per Month (As Applicable)



CAMPUS LIFE

CIPET: IPT-JAIPUR offers an exquisite environment to showcase your talents in the rawest forms. From Cultural nights to Sports and so on...

CIPET: IPT-JAIPUR is a place that provides wings to your imagination and dreams.



STUDENT CLUBS

CIPET: IPT- JAIPUR organizes a range of extracurricular activities through various clubs and societies that stimulate the creative talent of its students.



Inauguration of Student Club



Plantation by members of Nature Club



Environmental Awareness of Nature Club



Poster Making Competition by Cultural Club

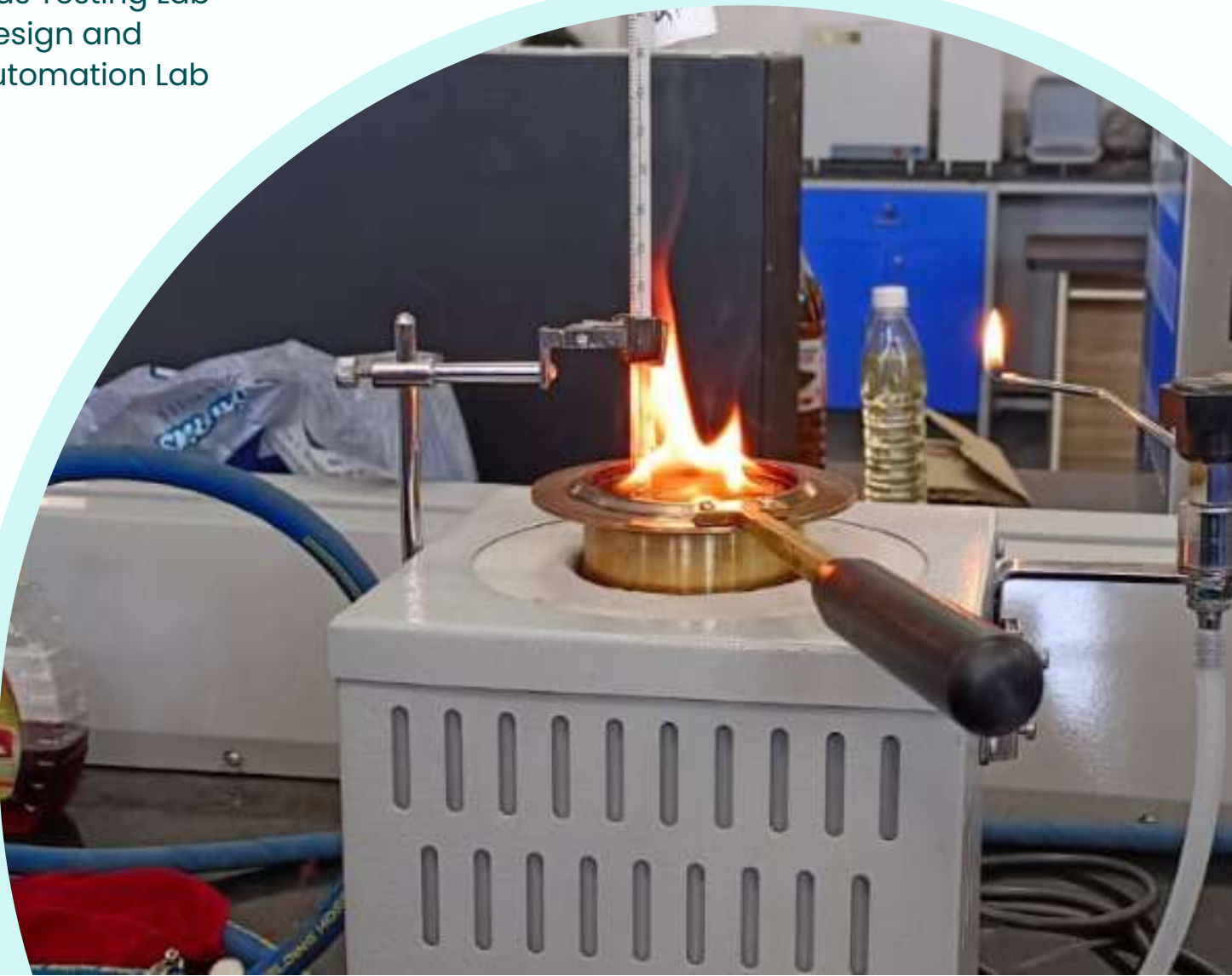


PETROCHEMICALS ENGINEERING

CIPET-Jaipur running four years undergraduate program in Petrochemical Engineering which includes domain knowledge in a multidimensional field of the Petrochemical stream. Subject knowledge includes Comprehensive Analysis of Petrochemical Engineering, Petroleum Product Testing, Chemical Process Dynamics and Control Systems, Chemical Reaction Engineering, Gas Testing, and refinery Engineering which makes the program unique for serving different domains of Petrochemical industries. State-of-art facilities include different domains including both up-stream and downstream to cater field of Chemical, Polymer, Adhesive, Paint, and allied industries.

Laboratory Infrastructures:

- Particle and Fluid particle processing lab
- Heat & Mass Transfer Lab
- Chemical Reaction Engineering Lab
- Environmental Engineering Lab
- Petroleum Product Testing Lab:
- Process Control & Dynamics Lab
- Gas Testing Lab
- Design and Automation Lab



PETROCHEMICALS ENGINEERING



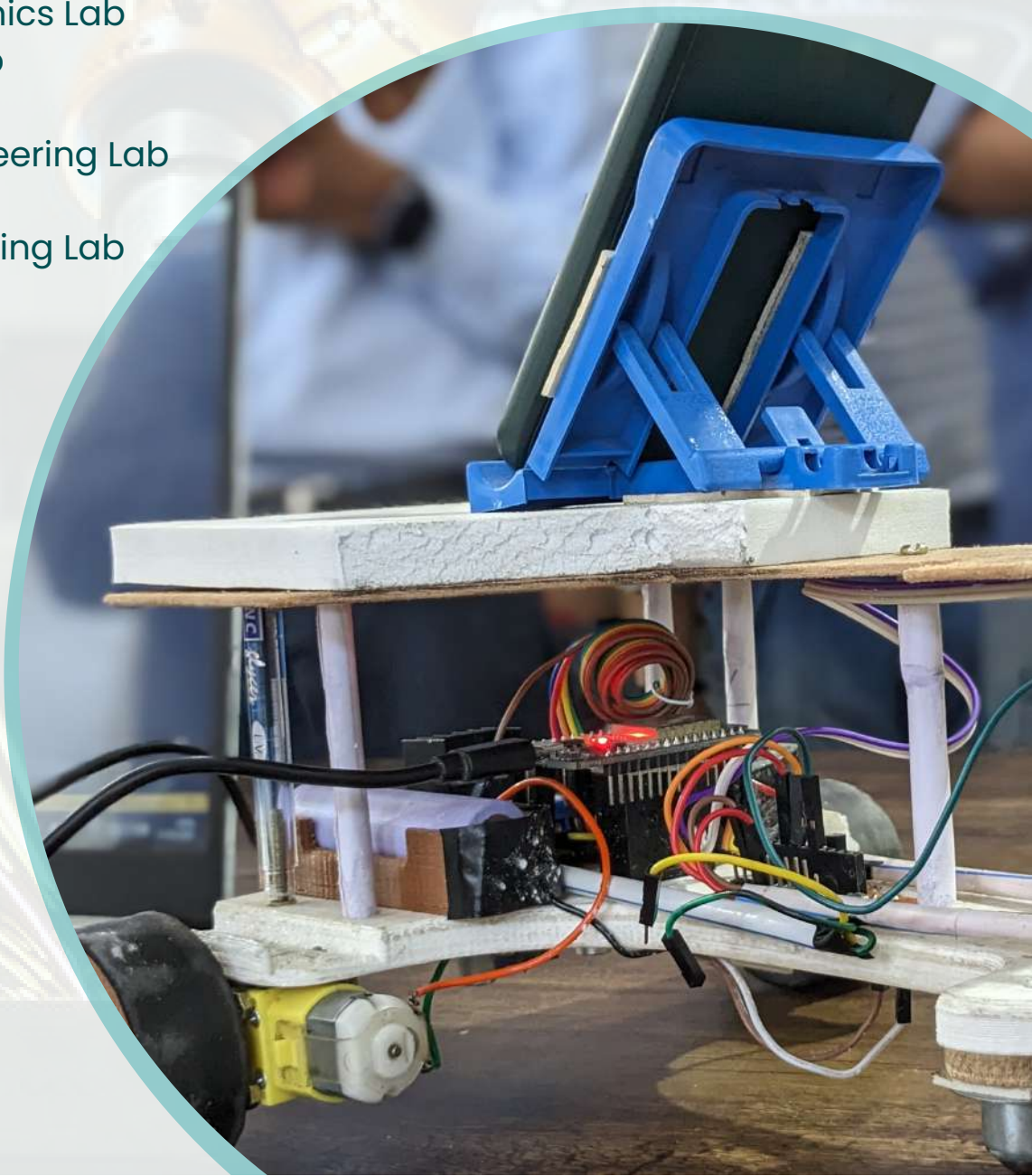
**LABS & EQUIPMENTS OF PETROCHEMICAL
DEPARTMENT**

MECHANICAL ENGINEERING

Mechanical Engineering being one of the most important branch of CIPET: IPT-JAIPUR has intake of 60 students every year. The department of Mechanical Engineering has well furnished laboratories and workshops like machine shop, strength of materials lab, heat and mass transfer lab, refrigeration and air conditioning lab, automobile, CAD/CAM & mechanical engineering workshop well equipped with conventional as well as non conventional and advanced CNC machines.

Laboratory Infrastructures:

- Central Workshop
- Fluid Mechanics Lab
- Production Engineering Lab
- Theory of Mechanics Lab
- Mechatronics Lab
- Heat Transfer Lab
- Production Engineering Lab
- Vibration Lab
- Thermal Engineering Lab
- Metrology Lab
- CAD/CAM/CAE
- Mechanical Characterization Lab



MECHANICAL ENGINEERING

Central Workshop with high-end equipment includes CNC Milling, CNC Lathe, CNC wire cut EDM, Universal Milling, Wide range of measuring instruments, Milling, EDM, Lathe, fitting shop Welding shop with high-end facilities.



FLUID MECHANICS



3D-PRINTING



CAD/CAM/CAE



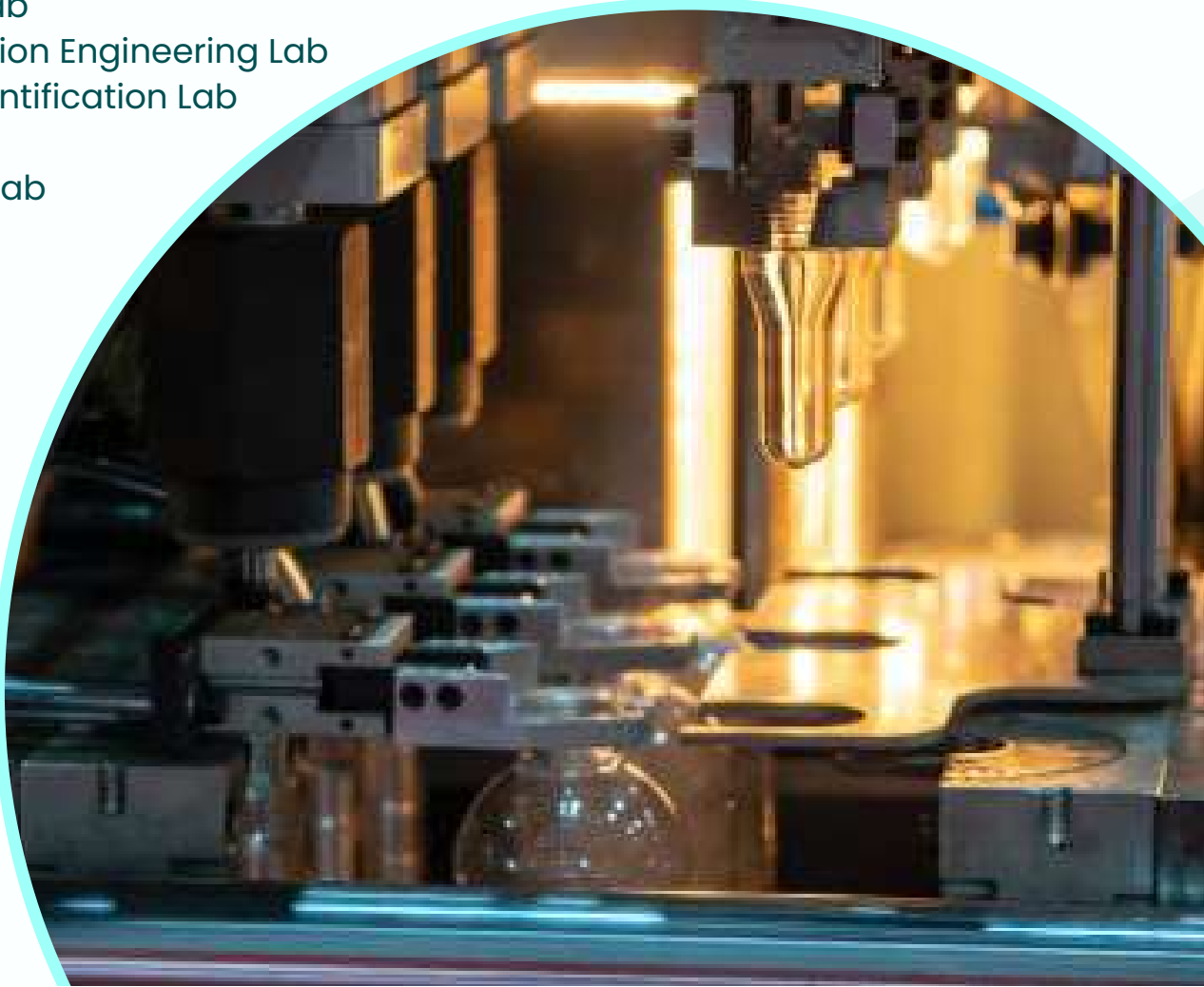
MECHANICAL CHARACTERIZATION

PLASTIC TECHNOLOGY

CIPET-Jaipur running a four-year undergraduate Plastic Technology program which is aligned with a Chemical discipline specialization in Polymer and Plastics. The course curriculum involves the study of plastics materials, Processing, Testing, Product and Mould design, Packaging, Composites, and Green Composite with the latest industry-oriented technologies. Undergraduates from Plastics Technology program have the opportunity to serve industries including Production, Packaging, Product development, synthesis, design, Paint, Coating, pigment etc. to make their career. Course curriculum designed to offer a blend of Skill, Training, and Research in order to meet industry requirements

Laboratory Infrastructures:

- Processing Lab: Automatic Injection Moulding Machine, Blow Moulding Machine, Extruder, Two roll mill, Compression Moulding machine, Roto moulding.
- Plastics Testing: Universal Testing Machines, Melt Flow Indexer, Differential Scanning Calorimeter (DSC), ICP-OES, FTIR, GC-MS, Thermogravimetric Analyser (TGA), HDT/VSP Apparatus, UV weatherometer, Xenon weatherometer, UV spectroscopy etc.
- Synthesis Lab
- Polymerisation Engineering Lab
- Polymer Identification Lab
- Design & Simulation Lab



PLASTIC TECHNOLOGY

DEPARTMENTS





INFRASTRUCTURE

FACILITIES

- WIFI Campus
- Lecture Halls
- Seminar Halls
- Well Equipped Laboratories
- Cafeteria
- Medical facility
- RO drinking water
- Reading Room
- Round the clock security
- Parking Facility
- CCTV Surveillance
- Sports & Game Facility



HOSTELS

ACCOMMODATION FOR OVER 500 STUDENTS ON CAMPUS

Hostels have been built to provide students with a safe and welcoming environment. On-campus, there are separate hostel facilities for boys and girls. The living areas are designed to promote harmony. We have gone to great lengths to keep the surroundings green and fresh. Such an environment fosters the development of productive thoughts and ideas. It serves as a student's "home away from home." Unlike other institutions, we see the dormitories as a place for students to study, relax, and socialize.

- Wi-Fi Campus
- RO drinking water
- Canteen Facility
- 24-hour Security



CENTRAL LIBRARY

Empowering Students, Faculty & Staff

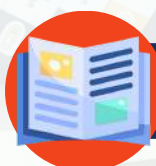
The Library at CIPET:IPT-JAIPUR has been set up to cultivate critical thinking and to boost the learning outcomes of our students, faculties and staffs in a highly evolving, technology rich, informative environment.



2000+ Books



300+ eBooks



200+ Journals



Digital Library



The CIPET Library houses an extensive collection relevant to Plastic, Polymer, Mechanical and Petrochemical Engineering and Technology including materials covering the latest trend in the respective domain with over 2000 books and journals. It is the primary source for researchers and students. Faculties, Students and Staffs use the Automated Library Management Sytem with RFID to ensure quick transactions. The reading rooms of the cental library operates 24×7.

Facilities @ IPT, Jaipur

STATE OF THE ART RESEARCH FACILITIES

DESIGN AUTOMATION LAB

METAL ANALYSIS

PLASTICS & POLYMER CHARACTERISATION

ELEMENTAL ANALYSIS

PLASTICS PROCESSING

SYNTHESIS/ FORMULATION

PETROCHEMICAL PRODUCT ANALYSIS LAB

MECHANICAL

- Universal Testing Machine (600 KN)
- Impact Tester
- Hardness Tester (Brinell and Vicker)
- Metallurgical Microscope
- X-Ray Fluorescence Spectroscopy (XRF)
- Milling Machine
- 3D Printer
- Environmental Test Chamber



PLASTICS PROCESSING

- Injection Moulding Machine (80T)
- Two Roll mill
- Twin Screw Extruder
- Planetary Ball Mill
- Compression Moulding Machine
- Blow Moulding (500 ml)
- Blown Film Plant
- Rotational Moulding Machine



SYNTHESIS /FORMULATION

- Centrifuge
- Spin Coater
- Probe Sonicator
- Pyrolysis Reactor
- Polymerization Reactor
- Emulsion Polymerization
- Rotational Viscometer
- Dean Sark Apparatus
- Soxhlet Apparatus
- Water bath
- Karl fischer Titrator



PETROCHEMICAL PRODUCT TESTING LAB

- Manual Cloud Pour Point Tester
- Flash point Apparatus
- Reid Vapor pressure Tester
- Contact Angle Goniometer
- Bomb Calorimeter
- Autoclave
- Sulphur Test Oven
- Cleveland Open Cup Apparatus
- Kinematic Viscosity bath
- Dean Sark Apparatus
- Demulsibility Bath
- Oxidation Stability Test Apparatus
- Foaming bath
- Chemical Oxygen Demand Digester (COD)
- Biochemical Oxygen Demand (BOD) Analyzer
- Carbon Residue Tester
- Turbidity Tester
- Smoke Point Apparatus
- Twin Distillation Apparatus

DESIGN AUTOMATION LAB

- CAD Workstation
- Unigraphics
- Creo
- Solid Works
- Ansys
- Master CAM
- Basic Process Operation Simulator
- CRE Lab Module
- Refinery Operation Module
- Petrochemical Operation Module

PLASTICS & POLYMER

- Weatherometer (Xenon)
- Salt Spray Chamber
- Universal Testing machine (100 KN)
- Impact Tester (Izod)
- HDT/VSP Tester
- Melt Flow Index Tester
- Differential Scanning Calorimetry (DSC)
- Haze Meter
- Creep Ratio Tester
- Geotextile Hydrostatic Pressure Tester
- CBC/CBD
- Moisture Analyzer
- Color Spectrophotometer

ELEMENTAL ANALYSIS

- X-Ray Fluorescence spectroscopy (XRF)
- ICP-OES Spectrometer
- Gas Chromatography- Mass Spectroscopy (GC-MS)
- UV-Vis Spectroscopy
- Fourier Transform Infrared Spectroscopy (FTIR)

STUDENT'S ACHIEVEMENTS



CIPET:IPT Jaipur Student Secured 1st Position
in Plastic Technology in RTU



Parth, ME-IV Sem, Secured 3rd
Position in Shooting Championship



STUDENT'S ACTIVITIES



Awareness Programmes by students on the Occasion of World Environment Day



LINE FOLLOWER ROBOT (L.F.R.) EQUIPPED INTEGRATED WITH BLUETOOTH CONTROLLER
AND CAMERA FOR REMOTE OPERATION.

Strong Industry & Alumni network

**Scholarship through various platforms
provided by state/central Govt.**

**Innovation/ Incubation/ Start-up cell for
encouraging Innovation and Research.**

**State of the art infrastructure facility and
high-end machinery & equipment**

**Supportive and understanding faculty
members who contribute to the growth
of students into successful professionals**

**A community of students from different
ethnic groups who work and learn in a
harmonious environment.**

**Teaching methodologies that make
learning more experiential**

**Calm and serene environment
enhances productivity and helps
relieve stress**

WHY CIPET: IPT-JAIPUR



WHY CIPET: IPT-JAIPUR



MOUs



MoU Signing with MNIT, Jaipur



MoU Signing with Amity University



MoU Signing with Mewar University

PLACEMENT PARTNERS





Link for B.Tech 1st Year / Lateral Entry Admission registration
<https://forms.gle/GS412sVRfpNC8ZAx5>

HOW TO REACH

13 Km from Jaipur International Airport
22Km from Jaipur Railway Station
Landmark: Near Bombay Hospital



SCAN TO APPLY

FOLLOW US ON



Cipet-IPT-Jaipur



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CipetIpt

Contact Us

Mr. Sanjay Choudhry
Director & Head

CIPET : Institute of Petrochemicals Technology, Jaipur
SP - 1298, Sitapura Industrial Area,
Phase-III, Tonk Road,
Jaipur - 302 022.

FOR ADMISSION CONTACT:

Mobile No.: +91-9783414656, +91-9079779320

Email: cipetiptjaipur@gmail.com

website: www.cipet.gov.in