



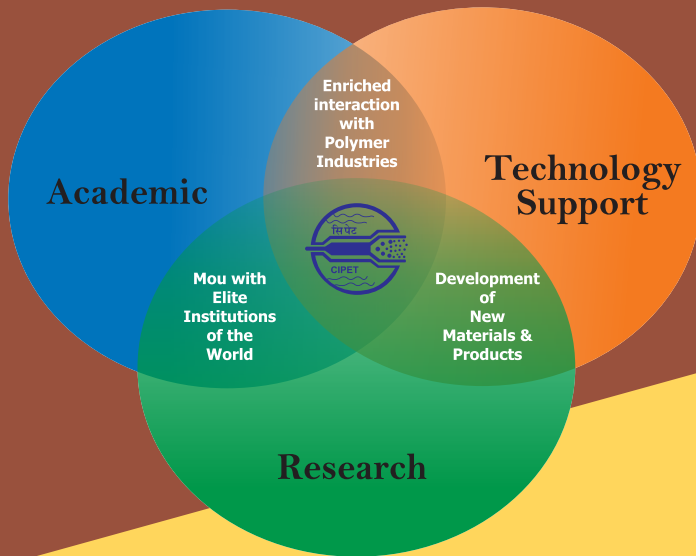
CENTRAL INSTITUTE OF PLASTICS ENGINEERING & TECHNOLOGY



PROSPECTUS 2014-15

A C A D E M I C P R O G R A M S

Focus on ATR



Say yes to Plastics

Career opportunities include Research and Development, Technology, Manufacturing, product & mould design, besides management positions across polymer & allied industries.

Central Institute of Plastics Engineering & Technology (CIPET) has been catering to the need of polymer & allied industries by way of generating trained manpower through its various Diploma, Post Diploma, Postgraduate Diploma, Graduate & Postgraduate as well as Doctoral Programs. CIPET also renders technology support services in the area of Design, Tooling, Processing and Testing of plastics, besides Research & Development.

Today's "Cipetian" is a much sought after individual. In fact several companies seek CIPET trained candidates for jobs in India and abroad.

Academic Programs @ CIPET to meet Human Resources need of Polymer and allied industry

The Plastics industry in India has a big market potentiality and is generating new employment opportunities. The per-capita consumption of plastics in India is growing and at present it is around 9.7 kgs.

Polymeric products play a vital role in our lives and find applications in automobiles, aerospace, electrical, electronics, packaging, sports, medicine, perfumes, preservatives, fuels, toys, etc. Plastics are also used in the manufacture of Prosthetic devices and surgical equipments. The diversity of use is growing day by day. This has increased the demand for qualified personnel in this field. Hence, training and education in this sector offers good employability both in India and abroad.

"When learning is purposeful, creativity blossoms. When creativity blossoms, thinking emanates. When thinking emanates, knowledge is fully lit. When knowledge is lit, economy flourishes."

Dr. A.P.J. Abdul Kalam



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Dedicated services to the nation since 1968...

CIPET - an extended arm of the Department of Chemicals and Petrochemicals, Ministry of Chemicals and Fertilizers, Govt of India, is an ISO 9001:2008 QMS, ISO/IEC 17025, ISO/IEC 17020 accredited premier national Institution fully devoted to **Academic, Technology Support & Research (ATR)** activities for the growth of Polymer & allied industries in the country. CIPET operates on hub & spokes model with 23 locations spread across the length & breadth

of the country which includes 5 High Learning Centres, 11 Other Learning Centres, 3 Specialized Centres, 2 Vocational Training Centres and 2 R&D wings. All the full-fledged CIPET centres have state-of-the-art infrastructural facilities in the areas of Design, CAD/CAM/CAE, Tooling & Mould Manufacturing, Plastics processing, Testing and Quality control to cater to the needs of polymer & allied industries in the country.



To upgrade the skills & technical competency of personnel employed in plastics industry, CIPET offers a wide range of short-duration, skill-cum-technology upgradation programs at all centers. The academic atmosphere in CIPET is a rare blend of modern day technical skills with a traditional emphasis on imparting technical knowledge. The highly trained and motivated team of faculty at CIPET has achieved enviable excellence in human resources development.

Every year CIPET trains about 12,000 students through long-term Programs and about 25,000 participants through short-term Programs, with hands-on exposure using the most modern, sophisticated facilities in Design, CAD/CAM, Tooling, Plastics Processing and Plastics Testing & Quality Control. With a strong Alumni base of about 50,000 professionals across the world “CIPET” is indeed a recognized qualifying brand for supervisory and managerial manpower for the plastics industries.

CIPET renders Technology Support Services in Design, Tooling, Plastics Processing and Testing & Quality Assurance in India and abroad. The Plastics Testing Centre (PTC) at CIPET is equipped with state-of-the-art equipment and is recognized as one of the best plastics testing facilities in Asia. Several Central & State Govt organizations utilize CIPET's expertise for consultancy

services and as a third party inspection agency for plastics products. The Biodegradable Testing Centre of CIPET is first of its kind in the country and works jointly with European Bioplastics & International Biodegradable Products Institute.

CIPET is the only Govt. of India institution which has been accredited by National Accreditation Board for Certification Bodies (NABCB) as per ISO/IEC/17020 as Type “A” Inspection Body. All the Plastic Testing Centres of CIPET are accredited by National Accreditation Board for Laboratories (NABL) as per ISO/IEC 17025.

Envisioned to be a global R&D hub, CIPET has established two exclusive R & D wings at Chennai and Bhubaneswar. The Advanced Research School for Technology & Product Simulation (ARSTPS) at Chennai focuses on Innovative Product Design for Automobile, Aerospace, Medical and



Packaging Industries, Product and Tool Design Conceptualization, E-Manufacturing of Prototypes, Rapid Prototyping for Lead Time Reduction, Reverse Engineering for Metal Substitution with Aesthetic and Ergonomical Approach.

CIPET has been recognized by the Department of Scientific and Industrial Research (DSIR) as a scientific and research organisation in the field of Plastics Engineering & Technology.

CIPET has signed a Memorandum of Understanding with 15 leading International Universities/ Institutions for faculty & student exchange Programs, bilateral R & D initiatives and collaborative research projects.

Through the funding support from administrative ministry, OPEC, UNIDO and World Bank, CIPET is constantly updating its civil and technical infrastructure facilities & capabilities aimed at continual process improvement, enhancing the knowledge of competency level of employees and delightful services to the valued customers.

As per World Bank appraisal report “CIPET has exceeded the objectives and expectations of the project in its implementation”.

CIPET publishes serial publications like CIPET Times with coverage on latest technological developments, news and views about CIPET and industry trends. CIPET’s International Journal of Plastics Technology (IJPT) has international recognition as the Scientific Journal in the field of plastics technology with elite and eminent international Editorial board.

CIPET has established very good interaction with Regional & National Plastics Associations in India & it is a founder member of Plastindia Foundation (PIF), All India Plastic Manufacturers’ Association (AIPMA), Tamil Nadu Plastics Manufacturers’ Association (TAPMA), Federation of Indian Chambers of Commerce and Industry (FICCI) & Indian Plastics Federation (IPF), etc.

CIPET’s place in the international arena is apparent from the prestigious assignments of Academic and Consultancy Services pouring in from all over the world.



VISION

To become an apex Institute of International repute in the field of Polymer Science & Technology and ensure sustainable growth.

"A life spent making mistakes is not only more honorable, but more useful than a life spent doing nothing."

- George Bernard Shaw



Vision & Mission

MISSION

To offer blend of specialized Academic and Skill Development Training Programs in the field of Polymer Science & Technology in order to provide qualified Human Resources with entrepreneurship qualities for Polymer & 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 plastics industries through a Quality Management System;

Dedicated R & D wings on Polymer Materials & Product development will develop New Polymeric Materials and its Applications from Technology Transfer, Intellectual Property (IP) and Knowledgebase.



- To provide qualified plastics professionals at various skill levels through long term and short term academic programs in the field of Plastics Engineering & Technology.
- To offer Technology Support & Consultancy Services in the areas of Plastics Processing, Testing, Quality Control, Inspection, Design, Tooling, CAD/CAM/CAE, Calibration & Application Development.
- To undertake Research & Application Development in the areas of Reverse Engineering, Mould Flow Analysis, Rapid Prototyping, Warp Analysis, Packing Analysis, Composites, Nano-composites, Bio-polymers, Fuel cells, E-waste, Recycling, etc. through its R&D hubs – Advanced Research School for Technology and Product Simulation (ARSTPS) and Laboratory for Advanced Research in Polymeric Materials (LARPM).
- To enhance the professional skill & competency levels of faculty by providing an opportunity for faculty to upgrade their qualification and technical expertise through Advanced Training Programs.

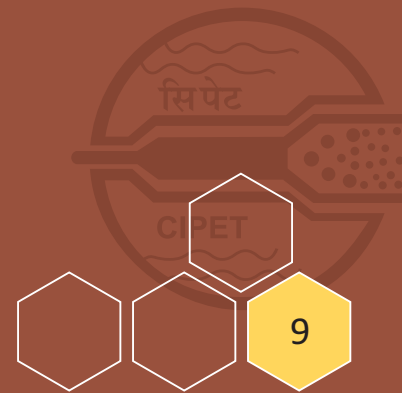


“Education either functions as an instrument which is used to facilitate integration of the younger generation into the logic of the present system and bring about conformity or it becomes the practice of freedom, the means by which men and women deal critically and creatively with reality and discover how to participate in the transformation of their world.”

— Paulo Freire



“ As a renowned institute, CIPET seeks to achieve the highest levels of distinction in the discovery and transmission of knowledge and understanding. At the same time, CIPET is distinctive among educational institutions in its knowledgebase and commitment towards education, technology support and research in the area of plastics engineering. ”



ACADEMIC

(A) Regular Long Term Programs

- Ph.D. Programs in Polymer Science & Technology / Material Science / Plastics Engineering
- Master of Engineering / Technology in Plastics Engineering / Technology (M.E. / M.Tech-PE/PT)
- Master of Engineering in CAD/CAM (M.E. - CAD/CAM)
- Master of Technology in Polymer Nano Technology (M.Tech. - PNT)
- M.Sc (Polymer Science)
- M.Sc (Bio-polymer Science)
- M.Sc. Tech. (Material Science & Engineering)
- Bachelor of Engineering / Technology in Plastics Engineering / Technology (B.E. / B.Tech-PE/PT)
- Bachelor of Engineering / Technology in Manufacturing Engineering / Technology (B.E. / B.Tech.-ME/MT)
- Post Graduate Diploma in Plastics Processing & Testing (PGD-PPT)
- Post Diploma in Plastics Mould Design with CAD/CAM (PD-PMD with CAD/CAM)
- Diploma in Plastics Mould Technology (DPMT)
- Diploma in Plastics Technology (DPT).

(B) Short Term Programs

- Skill & Technology Upgradation Programs for Industry
- Tailor-made Courses
- Modular programs
- Entrepreneurial Development programs
- Training for Overseas Nationals
- Govt. Sponsored Programs.



"Education is our passport to the future, for tomorrow belongs to the people who prepare for it today."

— Malcolm X

TECHNOLOGY SUPPORT

- CIPET renders Technology Support Services (TSS) to plastics and allied industries in different fields of Plastics Engineering & Technology
- Application development and applied research in all disciplines of Polymer Science & Technology
- Testing and standardization for Plastics materials and products
- Setting up of Plastics based industry from concept to commercialization stage
- Design and development of moulds and dies
- Material selection for new product development
- Machinery and equipment selection
- Setting up of tool room/ processing industries
- New trends in Plastics processing technology
- Technical Support to the industry in product design/ mould design, product failure analysis with the help of CAD/CAM/CAE
- Training Programs on measurement of uncertainty in testing laboratory
- Consultancy Services on implementation of Quality Management Systems (QMS)
- Setting up of laboratory as per ISO/IEC-17025 & NABL Criteria



RESEARCH & DEVELOPMENT

- Two dedicated R&D wings, LARPM & ARSTPS have been dedicated to the country where integrated Research Programs are undertaken in the Polymeric Materials & Product Design and Development areas.

“Education is the power to think clearly, the power to act well in the world's work, and the power to appreciate life.”

— Brigham Young



CIPET Programs

(i) Diploma in Plastics Technology

Course code : DPT
Duration : 3 years
Maximum age : 20 years*

Entry qualification : X Std. with
Maths, Science and English.

(ii) Diploma in Plastics Mould Technology

Course code : DPMT
Duration : 3 years
Maximum age : 20 years*

Entry qualification : X Std. with
Maths, Science and English.



"A good head and good heart are always a formidable combination. But when you add to that a literate tongue or pen, then you have something very special."

— Nelson Mandela



(iii) Post Diploma in Plastics Mould Design with CAD/CAM

Course code : PD-PMD with CAD/CAM
Duration : 1½ years
Maximum age : 25 years*

Entry qualification : 3 year Diploma in Mechanical, Plastics Technology, Tool/Production Engineering, Mechatronics, Automobile Engineering, Tool & Die Making, DPMT/DPT (CIPET) or equivalent.

(iv) Postgraduate Diploma in Plastics Processing & Testing

Course code : PGD-PPT
Duration : 1½ years
Maximum age : 25 years*

Entry qualification : 3 year Degree in Science with Chemistry as one of the subjects.

* Age limit is relaxable upto 5 years for applicants from SC/ST category and for candidates from North Eastern Region in the case of Diploma / Post Diploma / Postgraduate Diploma Programs.

“What is success? I think it is a mixture of having a flair for the thing that you are doing; knowing that it is not enough, that you have got to have hard work and a certain sense of purpose.”

- Margaret Thatcher



Undergraduate, Postgraduate and Ph.D. Programs at High Learning Centres

UG, PG & Ph.D. Programs

CIPET offers Undergraduate, Postgraduate & Ph.D. Programs at High Learning Centres at Ahmedabad, Bhubaneswar, Chennai, Lucknow and Kochi.

Ph.D. Programs

Ph.D. Programs are offered at ARSTPS and LARPM - the two R&D wings of CIPET. ARSTPS focuses on Innovative Product Design, Tool Design, E-Manufacturing of Prototypes and Reverse Engineering. LARPM focuses on Composites, Nanocomposites, Polymer Blends & Alloys, Biopolymers, Fuel Cells and Recycling. Ph.D. degree is conferred by Anna University - Chennai / Goudham Budh Technical University, Lucknow/ Gujarat Technological University, Ahmedabad / Utkal University, Bhubaneswar / Biju Patnaik University of Technology, Rourkela/ Cochin University of Science & Technology, Kochi.



Postgraduate Degree Programs

(i) M.E. / M.Tech. in Plastics Engineering / Technology

Course code : M.E. / M.Tech (PE/PT)*

Duration : 2 years

Entry qualification : B.E./B.Tech./B.Sc., Engg. (4 years) in Mechanical / Chemical / Production / Polymer / Plastics Engineering / Technology (or) M.Sc. in Polymer Science / Chemistry with polymer specialization.

Affiliation

Chennai : Anna University
Bhubaneswar : Biju Patnaik University of Technology
Lucknow : Gautam Buddh Technical University
Ahmedabad : Gujarat Technological University.

- * Course offered at Ahmedabad, Bhubaneswar, Chennai and Lucknow.
- * Selection & eligibility as per affiliating University norms.
- * For Admission at CIPET Chennai & Ahmedabad, please apply through respective University.

(ii) M.Tech. in Polymer Nano-Technology

Course code : M.Tech - PNT*

Duration : 2 years

Entry qualification : B.E./B.Tech. (4 years) in Mechanical, Plastics Engineering / Technology / Polymer / Chemical (or) M.Sc., in Polymer Chemistry / Polymer Science / Physics / Chemistry with valid GATE score.

Affiliation

Biju Patnaik University of Technology, Bhubaneswar.

- * Course offered at CIPET - Bhubaneswar.
- * Selection and eligibility as per affiliating University norms.

"To establish true self-esteem we must concentrate on our successes and forget about the failures and the negatives in our lives."

- Denis Waitley



**(iii) Master of Engineering in CAD/CAM**

Course code : M.E. (CAD/CAM)*
Duration : 2 years

Entry qualification : B.E./B.Tech. (4 years) in Mechanical / Automobile / Manufacturing / Production / Industrial / Mechatronics / Marine / Aeronautical.

Affiliation

Anna University, Chennai

- * Course offered at CIPET - Chennai.
- * Selection and eligibility as per University norms. Please apply through affiliating University.

(iv) M.Sc. Tech. (Material Science & Engineering)

Course code : M.Sc. Tech.*
Duration : 5 years
Maximum age : 21 years

Entry qualification : H.Sc/10+2 (Academic stream) with Maths, Physics & Chemistry.

Affiliation

Utkal University, Bhubaneswar

- * Course offered at CIPET Bhubaneswar.
- * Selection and eligibility as per University norms.

"Technology is nothing. What's important is that you have a faith in people, that they're basically good and smart, and if you give them tools, they'll do wonderful things with them."

- Steve Jobs

(v) M.Sc. (Polymer Science)

Course code : M.Sc. (PS).*
Duration : 2 years

Entry Qualification : B.Sc. (Science) degree with chemistry/industrial chemistry/polymer science/applied chemistry/industrial polymer chemistry/chemistry as one of the major subject.

Affiliation

Ahmedabad : Gujarat University(GU),Bhubaneswar: Utkal University

- * Course offered at CIPET – Ahmedabad – apply through affiliating university (www.gujaratuniversity.org.in).
- * CIPET – Bhubaneswar – apply through CIPET JEE.

(vi) M.Sc. (Bio-Polymer Science)

Course code : M.Sc.*
Duration : 2 years

Entry Qualification : Candidates with B.Sc. Degree in any branch with Chemistry as one of the subjects can apply. Candidate should have passed the qualifying examination with a minimum of 50% marks in the main and subsidiary subjects taken together.

Affiliation

Kochi : Cochin University of Science & Technology

- * Course offered at Centre for Biopolymer Science & Technology (a unit of CIPET), Kochi.
- * Selection and eligibility as per University norms.



Undergraduate Degree Programs

(i) B.E. / B.Tech. in Plastics Engineering / Technology

Course code	:	B.E. / B.Tech (PE/PT)*
Duration	:	4 years
Maximum age	:	21 years

(ii) B.E. / B.Tech. in Manufacturing Engineering / Technology

Course code	:	B.E. / B.Tech. (ME / MT)*
Duration	:	4 years
Maximum age	:	21 years

Entry qualification : H.Sc / 10+2 (Academic stream) with Maths, Physics & Chemistry.

Affiliation

Chennai	:	Anna University (www.annauniv.edu)
Bhubaneswar	:	Biju Patnaik University of Technology (www.bput.ac.in) Utkal University (www.utkaluniversity.ac.in)
Lucknow	:	Gautam Buddh Technical University (www.gbtu.ac.in)
Ahmedabad	:	Gujarat Technological University (www.gtu.ac.in)
Kochi	:	Kochin University of Science & Technology (www.cusat.ac.in)

* Courses offered at Ahmedabad, Bhubaneswar, Chennai and Lucknow.

* For Admission to Under Graduate programs (B.E. / B.Tech.), please apply through respective affiliating University.



Education is not a preparation for life; education is life itself

- John Dewey



"Perhaps the most valuable result of all education is the ability to make yourself do the thing you have to do, whether you like it or not."

- Thomas Henry Huxley

"The mediocre teacher tells. The good teacher explains. The superior teacher demonstrates. The great teacher inspires."
 - William Arthur Ward



Overseas training of faculty



CIPET has highly qualified and experienced faculty who have expertise in specific disciplines such as materials, processing, testing, design, tooling and CAD / CAM / CAE. The faculty are trained in latest technological developments on a regular basis in India and abroad.

LIBRARY

Library at all CIPET centres across the country caters to the information needs of the students, research scholars and faculty. Library acts as the centre of collection of literature pertaining to all the domains of polymers, manufacturing and allied subjects. The total number of books in the library at all centres is around 50,000. The collection includes textbooks, reference books, personality development books, competitive examination books, biographies, etc. Periodicals which highlight the latest polymer industry technology and trends are also subscribed to keep the students abreast of the current developments in their field of study. The Libraries are fully automated with a Library Management Software and well equipped with latest technologies. RFID tags has been fixed in all the books to facilitate quick transactions.

Digital Library

Digital Library has been established at all the CIPET centres with the objective of providing access to the latest development in the subject to the students. E-books from leading scientific publishers like M/s. Elsevier, M/s. Taylor & Francis, etc. have been purchased and these books are accessible in the intranet of the CIPET campuses. The E-books collection includes titles from various subjects like Mathematics, Physics, Chemistry, Polymer Science, Nanotechnology, CAD/CAM and Manufacturing Technology. NPTEL lectures have been pre-loaded in the server at the digital libraries, so that students can have access to those lectures that were delivered by the professors of IITs and IISc in core engineering subjects.

“Education, beyond all other devices of human origin, is the great equalizer of the conditions of men, the balance-wheel of the social machinery.”

- Horace Mann



VIDEO CONFERENCING

Video Conference facility which is available at all CIPET centres creates a virtual classroom wherein the students and the faculty at various locations are brought together for effective learning. This facility assists real time interaction between the students and the faculty, thereby reducing the gap in understanding the concepts. Senior faculty from IITs, reputed national, international universities / organizations and industry also deliver lectures to students at various CIPET centres. These sessions enrich the knowledge of the students and provide an opportunity for interacting with the experts in the subject.



"Keep on going, and the chances are that you will stumble on something, perhaps when you are least expecting it. I never heard of anyone ever stumbling on something sitting down."

- Charles F. Kettering

ACCREDITATIONS



- ISO 9001 : 2008 certified institution for training and technical activities.
- All India Council for Technical Education (AICTE), New Delhi has approved M.Tech and B.Tech Programs.
- AICTE approved Diploma, Post Diploma and Post Graduate Diploma Programs.
- NABL Accreditation for CIPET Plastics Testing Laboratory.
- Recognised by Bureau of Indian Standards (BIS) for raw material and product evaluation.
- Recognised centres for carrying out research work leading to Ph.D / Doctorate Programs at CIPET Chennai, Bhubaneswar & Lucknow.
- Recognised by Department of Scientific and Industrial Research (DSIR), Government of India, as Scientific and Research organisation in the field of Plastics Technology.
- NABCB Accreditation as per ISO/IEC - 17020 for Pre-delivery Inspection Services.

GLOBAL RECOGNITION

In order to have close cooperation in research work, CIPET has signed Memoranda of Understanding (MoUs) with foreign universities, research institutes and industrial organizations.

MoUs with Foreign Institutions

- Shanghai University, China
- Hannam University, South Korea
- Kyung Hee University, South Korea
- The Institute of Biopolymers and Chemical Fibres Lodz, Poland
- The CIATEQ, A.C. Advanced Technology Center
- University of Toronto (UoT), Canada
- Michigan State University (MSU), East Lansing, USA
- Penn State University, Pennsylvania, USA
- University of Massachusetts (UMass), Lowell, USA
- ASTM International, Philadelphia, USA
- Massachusetts Institute of Technology (MIT), USA
- University of Guelph, Canada
- European bio-plastics and International Biodegradable Products Institute, Europe
- European Higher Institute for the Enterprise and its Techniques (ISEETECH), Metz-France





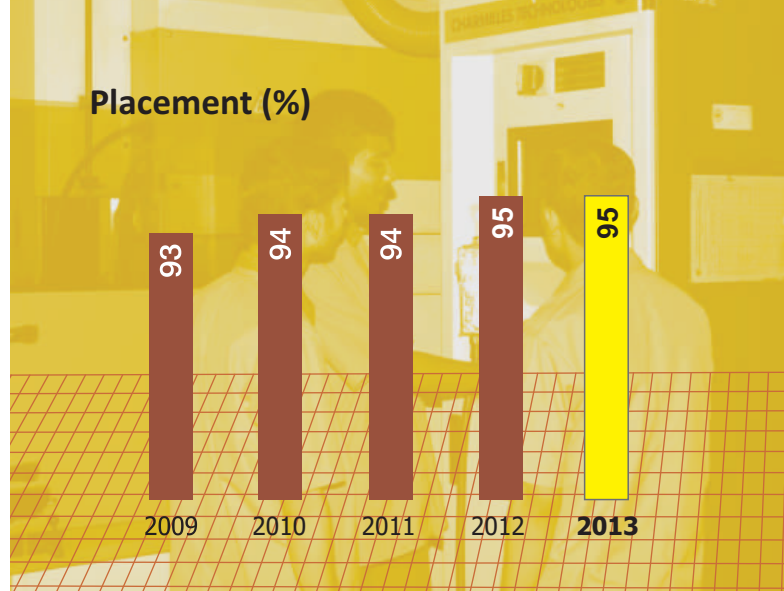
CIPET plays a significant role in helping the plastics industry by providing vital input “Manpower” to achieve their objectives with potential optimization. CIPET has forged close relationship with industrial and research establishments. It is further reinforced through technology upgradation programs – workshops, seminars and entrepreneurship programs to provide an ideal platform for industry institute interface.



“The biggest mistake that you can make is to believe that you are working for somebody else. Job security is gone. The driving force of a career must come from the individual. Remember: Jobs are owned by the company, you own your career!”

- Earl Nightingale

- CIPET has an established brand equity in “Human Resource Market”. CIPET graduates enjoy good reputation among plastics and allied industries in the domestic as well as international market.
- Placement Cell at CIPET Head Office and centres constantly network with business houses and the industry to update the list of prospective employers and synchronise the training inputs to the skill levels as required in the industry.



CIPET's vibrant alumni consists of 55,000 members spread across the globe in various positions. CIPET Alumni have created a bond between themselves and their Alma Mater. The strength of Alumni speaks about the quality of the Institution. They have been extending their support to the Institution in all possible ways.



E-magazine

CIPET Alumni continuously support the CIPET trainees by making technical presentations. Students actively attend these sessions and gain more insight from their seniors.



Web page for alumni



“Success in business requires training and discipline and hard work. But if you're not frightened by these things, the opportunities are just as great today as they ever were.”

- David Rockefeller

CIPET believes in overall development of the individual. Apart from academics, CIPET trainees actively take part in extra curricular activities such as sports and cultural programs.



Cultural Activities

Cultural programs are held every year across various centres. Students participate in entertainment events like drama, dance, music, etc.



Sports & Games

CIPET centres have good sports and recreation facilities. Students partake in various sports events in Inter-Collegiate, Inter-University and State Level Tournaments and have won laurels for CIPET.



Tech Feat

An exclusive event is conducted for graduate students in commemoration with the series on International Conference "Advancements in Polymeric Materials" (APM) organised by CIPET.





Design, CAD / CAM / CAE and Tooling

- Design & Development of Injection, Blow, Compression & Transfer Mould
- Product Development
- Mould Flow Analysis
- Failure Analysis
- Product / Mould Design Validation
- Reverse Engineering
- Rapid Prototyping
- Plastics Product Design
- Precision Metal Component Development

Processing

- Injection Moulding (Microprocessor, all-electric)
- Extrusion Stretch Blow Moulding
- Single and Multilayer Film Extrusion
- Compression & Transfer Moulding
- Blending & Compounding
- FRP / Composite Products
- Recycling of Plastics Waste





Testing, Quality Control and Inspection Services

- Testing of plastics materials and products as per National and International standards (BIS, ISO, ASTM, DIN, etc.) through NABL accredited Laboratory for Mechanical, Thermal, Optical, Chemical & Rheological Properties
- Testing of Biodegradability as per ASTM, ISO Standards
- Micro-biological studies on plastics products through Sterility Lab
- Third-party Inspection Services for Plastics & Allied products for quality assurance (ISO 17020)
- Technology Audit & Assessment of Plastics based industry

Consultancy on Plastics Projects

- Material development for specific product
- Development of Compounds
- Turnkey Consultancy on Tool Room / Processing Units / Testing Lab
- Plastics Sector Survey on Technical aspects



"Whenever you are to do a thing, though it can never be known but to yourself, ask yourself how you would act were all the world looking at you, and act accordingly."

- Thomas Jefferson



LARPM

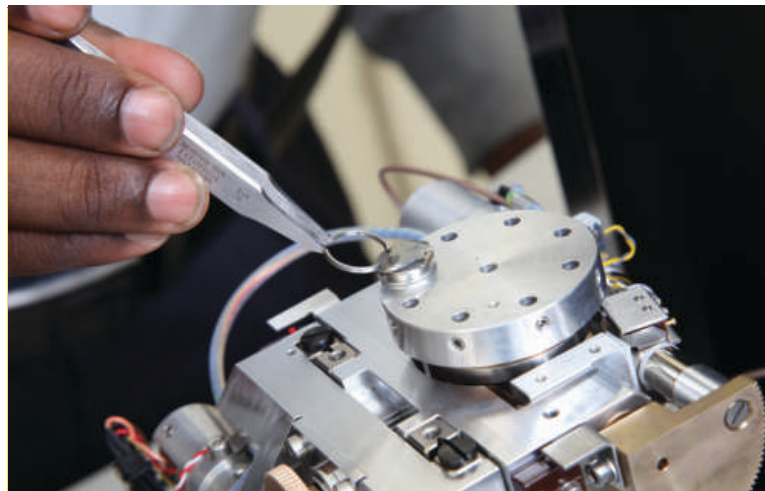
- Biopolymers
- Polymer Composites & Nanocomposites
- Functional Plastics, Carbon Nanotubes
- Polymer Membranes, Conducting Polymers
- Development & Characterization of Engineering Polymers, Blends / Alloys
- Fuel Cells, e-Waste Recycling



ARSTPS

- Innovative Product Design for Medical, Automobile, Aerospace and Packaging Industries
- Product and Tool Design Conceptualization (Modeling, Analysis, Process Optimization & Simulation Approach)
- E-Manufacturing of Prototypes
- Reverse Engineering for Metal and Conventional Material Substitution

Technology innovation through dedicated research work by a Core team has been the philosophy of CIPET, which led to the establishment of two R&D centres - Laboratory for Advanced Research in Polymeric Materials (LARPM) & Advanced Research School for Technology & Product Simulation (ARSTPS).



"Opportunity is missed by most people because it is dressed in overalls and looks like work."

- Thomas A. Edison



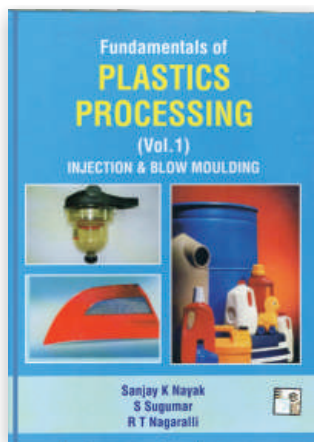
"In the case of good books, the point is not to see how many of them you can get through, but rather how many can get through to you."

— Mortimer J. Adler



International Journal

The International Journal of Plastics Technology (IJPT) is published by the Laboratory for Advanced Research in Polymeric Materials (LARPM) of the Central Institute of Plastics Engineering & Technology (CIPET) to disseminate research advancements in the areas of Polymer/Plastics Engineering & Technology. This is co-published by M/s. Springer India.



Text Books

Text book on Fundamentals of Plastics Mould Technology, Fundamentals of Plastics Processing and Fundamentals of Plastics Testing were released for the benefit of CIPET trainees as well as for the industry personnel.



CIPET Times

CIPET Times is an in-house publication which includes the activities of all the CIPET centres. It also has the technological development and articles from eminent academicians / industrialists, Alumni activities, etc.

FEE STRUCTURE

COURSE FEE

(Per Semester – Six Months)

S.No.	COURSE	FEE (₹)
1.	M.TECH.	22,000
2.	PGD-PPT	16,500
3.	PD-PMD with CAD / CAM	16,500
4.	DPMT	13,750
5.	DPT	13,750

OTHER FEES

DESCRIPTION	FEE (₹)
Fees at the time of admission:	
Admission Fee	500
Caution Money Deposit	750
Alumni Fee	130
Fees per year:	
Gymkhana Fee	100
Students Insurance Policy	100
Library Fee	500
Fees per Semester:	
Examination fee per paper/ practical	150
Supplementary Examination fee per paper/practical	200

“Education’s purpose is to replace an empty mind with an open one.”

– Malcolm Forbes

HOSTEL FEE

Hostel Room Charges & Electricity charges (Based on CIPET centre location)

Hostel aspirants should have necessary amount to meet their personal monthly expenses.

FEE STRUCTURE FOR OVERSEAS APPLICANTS

(Per Semester – Six Months)

COURSE	FEE (US\$)
M.TECH.	2,500
PGD-PPT	1,750
PD-PMD with CAD/CAM	1,750
DPMT	1,750
DPT	1,750

Other Fees

Annual Semester Examination Fee,
Annual Gymkhana Fee, Annual Library Fee,
Annual Policy Premium,
CIPET Alumni Fee and Caution Money Deposit.

US \$ 250

HOW TO APPLY

- Information Brochure and Application form can be obtained from any of CIPET Centres against payment of Rs. 100/- for general candidates and Rs.25/- for SC/ST candidates in cash or Demand Draft drawn in favour of “CIPET” payable at Chennai. Candidates belonging to North-Eastern states can get the application forms free of cost by producing their residential proof / appropriate support documents.
- **Candidates can fill and submit the application form online. The details are given in CIPET website www.cipet.gov.in**

IMPORTANT DATES

Last date for issue of Application form

06th June 2014

Last date for submission of filled-in Application form

13th June 2014

Joint Entrance Examination

13th July 2014

Release of JEE Results

1st week of August 2014

Commencement of Academic Session

11th August 2014

SELECTION PROCEDURE

Selection for all courses is as below.

- CIPET Programs** - based on academic record and performance in the Joint Entrance Examination.
- For PG Programs** - selection through respective affiliating University norms / through CIPET JEE.
- For UG Programs** - **selection through respective affiliating University as per their norms.**
(For admission into UG Programmes, please contact the respective University).

SCHOLARSHIP

CIPET Diploma, Post Diploma & Post graduate Diploma students are eligible for Various scholarship offered by different state and central government. CIPET will assist in obtaining the scholarship as per the norms of the agencies.

ADMISSION REGULATIONS



Selection for admission to M.Tech. / M.Sc. Programs will be as per the prescribed eligibility norms of the respective affiliating universities. Only limited seats in M.Tech. / M.Sc. will be filled through JEE at selected CIPET centres as per affiliating University norms.

- For all other Post Graduate Diploma, Post Diploma & Diploma courses, selection will be based on academic and the performance in the Joint Entrance Examination, which will be conducted on 13th July 2014.
- CIPET reserves a quota for SC/ST, OBC(NCL) candidates and physically challenged (handicapped) candidates as per GOI norms. Tuition Fee waiver scheme is available as per AICTE norms.
- Age limit shall be as on 31st July 2014. Over-aged candidates will not be considered and hence need not apply.
- In the case of applicants belonging to SC/ST category & North Eastern Region, age limit is relaxable by five years for all the categories of courses in the case of Diploma / Post Diploma / Post Graduate Diploma Programs.
- Limited Stipend is awarded to meritorious students of Diploma / Post Diploma / Post Graduate Diploma courses based on merit-cum-means.
- In the case of PGD-PPT course, 2 years degree course (10+2+2) will not be considered and hence need not apply.
- Candidate appearing for entry qualification examination can also apply. (Necessary documents to be submitted on or before JEE). Their selection and admission is subject to eligibility for higher studies on successful passing of the entry qualifications.
- Limited hostel accommodation is available. Allotment of hostel accommodation is on need basis and availability. However CIPET facilitates all the admitted students in getting accommodation by hiring.
- No request for change of centre allotted for admission will be entertained during the course of study.
- The provisional selection will be cancelled for the candidate not accepting the allotment of admission within the stipulated time indicated in the call letter and the wait list will be operated to fill the vacancies.

GENERAL INSTRUCTIONS

- The candidates selected for admission must deposit tuition and other fees on or before the specified date stipulated in call letter.
- All fees from second semester onwards are to be paid within 2 weeks from the date of re-opening.
- **Pattern of collection of fees:**
 - 1st Week - No Fine
 - 2nd Week - Fine of Rs. 25/- leviable
 - Beyond 2nd week - The name will be automatically struck off from the rolls. Re-admission will be made on payment of Rs. 500/- before the last working day of 3rd week, failing which they will be removed from the rolls.
- The selected candidates have to sign the code of conduct at the time of admission.
- The selected candidates have to submit original certificates in support of their entry qualification, date of birth, community certificate and any other reservation quota certificate (if applicable) for verification at centre during admission.
- Practical oriented training is conducted on shift basis depending on the exigencies. The students are required to attend the training programs in rotational shifts in a live industrial environment.
- The institute reserves the right to dismiss/terminate any student from the course on grounds of communicable diseases / unsatisfactory performance / lack of attendance / misconduct / ragging / unlawful activities.
- “Ragging is prohibited as per the decision of the Supreme Court of India in writ Petition No. (c) 656 / 1998. Ragging in any form will invariably lead to Expulsion of the student from the Institute and Hostel.”
- No individual correspondence of any sort will be entertained.

“I can't change the direction of the wind, but I can adjust my sails to always reach my destination.”

– Jimmy Dean



Eligibility for the award of Diploma / Post Diploma / Postgraduate Diploma

A trainee is eligible for award of CIPET Diploma / Post Diploma / Post Graduate Diploma only upon successful completion of the course of study (theory/practical/dissertation/industrial training) for a period stipulated against each course from time to time as per the prescribed syllabus/curriculum.

Subjects of Study & Curriculum Outline

The subjects of study – theory/practicals/dissertation/industrial training will be in accordance with the syllabus/curriculum prescribed from time to time.

Requirements of Examinations & Attendance

- Semester examinations will be conducted at the end of each semester.
- A candidate will be permitted to appear for the semester examinations for a subject / practical only if he/she secures minimum 80% of attendance during the said semester period and his/her conduct has been satisfactory.
- Trainees who have put in less than 80% attendance are not eligible to appear for the semester examinations under any circumstances. Student securing less than 80% of attendance will be detained in the same semester. Such detained/ debarred candidates should take admission in the same semester next year from the beginning of the course.

Semester Examination / Evaluation

- Semester examination will be conducted at the end of each semester both in theory and practicals/ seminar/project/viva voce.
- The scheme of evaluation is through internal assessment and semester examination.
- The internal assessment/sessional marks for each subject/practical is awarded on the basis of continual evaluation of each trainee by the faculty.
- Semester examinations are conducted for each subject/practical/Seminar/Project/Viva Voce.
- A trainee who fails in any subject is ought to appear for the supplementary examination to clear the arrear/s and is allowed to continue the course of study without any break as such. There is no limit on the number of attempts for the supplementary examination. However, he/she shall have to clear the arrear subject/s within a period of two years from the date of completion of the course. Failing which, he/she will not be eligible to appear for the supplementary examinations after the period of two years as stipulated above.

“Those who educate children well are more to be honored than they who produce them; for these only gave them life, those the art of living well.”

— Aristotle

Passing Requirements

- A trainee is declared to have passed the examination in a subject if he/she secures not less than 40% in theory and 50% in practicals / seminar / project work / viva voce examinations both in internal assessment & external examination.
- In the case of supplementary examinations, internal assessment/sessional marks of the first appearance will be taken into account.

Award of Diploma

- A trainee will be eligible for the award of diploma only upon successful passing of all subjects of all semesters.
- Failed candidates will be eligible for the award of diploma only upon successful passing of arrear subject/s of all semesters within a maximum of two years from the date of completion of the course. Otherwise, they are not eligible for award of diploma.

Classification of Successful Trainees

- A candidate will be declared to have passed in First class if he / she secures not less than 60% marks in all semesters put together and completes all papers within the stipulated period of study of 1 ½ / 3 years as applicable, without any break.
- A candidate will be declared to have passed in First class with distinction if he / she secures not less than 75% marks in all semesters put together and passes all the above semesters in the first appearance and completes all papers within the stipulated period of study of 1 ½ / 3 years as applicable, without any break.
- All other successful trainees will be declared to have passed in Second Class.

"If your actions create a legacy that inspires others to dream more, learn more, do more and become more, then, you are an excellent leader."

- Dolly Parton



Cipet Centres

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