

PROFILE OF CIPET

CIPET is an ISO 9001:2008 QMS, NABL & NABCB accredited premier national Institution 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 29 locations spread across the length & breadth of the country. CIPET has 5 High Learning Centres, 13 Other Learning Centres, 3 Specialized Centres, 3 R&D wings, 6 Vocational Training Centre and 1 Polymer Data Service Centre. 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 plastics & allied industries in the country.

Objectives of CIPET are in line with the National Policy on petrochemicals wherein focus is given for developing trained human resources for the plastics & allied industries, which includes professional skill development through long-term academic programs as well as Vocational Skill Development through short-term duration programs.

CIPET offers a blend of different specialized **Academic Programs** in the field of Plastics Engineering & Technology through **Doctoral, Post Graduate, Undergraduate, Post Diploma or Diploma courses**. To upgrade the skill & technical competency of personnel employed in plastics industry, CIPET also conducts Vocational / Skill Development Training Programs, Computer based Training Programs, Modular Training Programs, Entrepreneurship Development program etc. in the areas of Design/Tooling/CAD/CAM/CNC Product Development /Processing of Plastics /Machine Maintenance, Testing and Quality Improvement / Welding & Fabrication, Electrical, Electronics, Hardware & Networking, Industrial Automation & Maintenance, Information & Communication Technology for various Government & Non-Government agencies / Industries.

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 manpower development.

Every year CIPET trains about 40000 students through long-term and short-term Programs with hands-on experience with the most modern sophisticated facilities in Design, CAD/CAM, Tool Room, Plastics Processing and the Plastics Testing & Quality Control. CIPET has ambitious target to train around 0.62 million persons by the end of 2022 with 2010-11 as a base year. With a strong Alumni base of about 60,000 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 equipments 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 facilities at CIPET Chennai is the first of its kind in the country.

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. The **Laboratory for Advanced Research in Polymeric Materials (LARPM)** at Bhubaneswar concentrates on Bio polymers, E Waste Recycling, Polymer Composites & Nanocomposites, Characterization of Blends, Alloys, and Fuel Cells. The Main Objectives of the R & D wings are to jointly collaborate R&D projects with the industry, and with Indian and Foreign Universities, to develop working Prototypes, to find Solutions to Engineering Problems, and to conduct Micro-analysis on behaviour of Materials, Structures and Mechanical Systems.

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 has signed a Memorandum of understanding (MoU) with the following 16 leading International Universities for faculty & student exchange programs, bilateral R & D initiatives and collaborative research projects.