Central Institute of Plastics Engineering & Technology (CIPET), Centre for Skilling and Technical Support (CSTS)- Balasore

INSTITUTION VISION AND MISSION

VISION

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

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 Plastics Materials & Product Development will develop New Polymeric Materials and its Applications from Technology Transfer, Intellectual Property (IP) and Knowledge base.
Central Institute of Plastics Engineering & Technology (CIPET),
Centre for Skilling and Technical Support (CSTS)- Balasore

DEPARTMENT OF PLASTICS TECHNOLOGY

DEPARTMENT VISION AND MISSION

VISION

To make suitable & successful professionals in the field of Polymer Science & Technology (Plastic Technology) in order to ensure sustainable growth.

MISSION

To provide blend of well-balanced curriculum and skill development training program in the field of (Plastic Technology) Polymer Science & Technology.

Demonstrate the knowledge to the trainee in order to meet & match the need of Indian & Global companies & also to provide support to the companies in the form of consultancy service.

To prepare the students to extend & enhance the knowledge in the field of Polymer Science & Technology (Plastic Technology) for Higher Education
Central Institute of Plastics Engineering & Technology (CIPET), Centre for Skilling and Technical Support (CSTS)- Balasore

DEPARTMENT OF PLASTICS TECHNOLOGY

Program Educational Objectives (PEOs)

Develop fundamental understanding of the basic and Engineering Sciences and develop analytical & technical skills required for Plastic Technologist.

Develop Technicians with in-depth knowledge and live industrial shop-floor exposure in the field of Plastic Technology.

Develop Technical manpower for industry with integrity and strong ethical values to contribute to professional society with lifelong learning or continuous education.

To prepare skilled Technicians who contribute towards Professional Development.
Central Institute of Plastics Engineering & Technology (CIPET), Centre for Skilling and Technical Support (CSTS)-Balasore

DEPARTMENT OF PLASTICS TECHNOLOGY

PROGRAM OUTCOMES (POs)

- **Basic and Discipline specific knowledge:** Apply knowledge of basic mathematics, science and engineering fundamentals and engineering specialization to solve the engineering problems.
- **Problem analysis:** Identify and analyse well-defined engineering problems using codified standard methods.
- **Design/development of solutions:** Design solutions for well-defined technical problems and assist with the design of systems components or processes to meet specified need.
- **Engineering Tools, Experimentation and Testing:** Apply modern engineering tools and appropriate technique to conduct standard tests and measurements.
- **Engineering practices for society, sustainability and environment:** Apply appropriate technology in context of society, sustainability, environment and ethical practices.
- **Project Management:** Use engineering management principles individually, as a team member or a leader to manage projects and effectively communicate about well-defined engineering activities.
- **Life-long learning:** Ability to analyse individual needs and engage in updating in the context of technological changes.

PROGRAM SPECIFIC OUTCOMES (PSOs)

An ability to understand the concepts of basic Plastic Manufacturing processes and to apply them to various areas like Raw material modification, Design of Product, Mould & Dies, Processing & Quality assurance etc.

An ability to solve complex problems of Plastic Manufacturing, using latest hardware and software tools, along with analytical skills to arrive cost effective and appropriate solutions.

Wisdom of social and environmental awareness along with ethical responsibility to have a successful career and to sustain passion and zeal for real-world applications using optimal resources as an Entrepreneur.