

Central Institute of Petrochemicals Engineering & Technology (CIPET) : Centre For Skilling & Technical Support (CSTS), Balasore

# **CIPET VISION & MISSION**

#### 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 in order 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.
- Dedicated R&D wings on Petrochemicals will develop New Technology, Applications & Handholding Entrepreneurs by Technology Transfer, Intellectual Property (IP) and Knowledge Base.





Central Institute of Petrochemicals Engineering & Technology (CIPET) : Centre For Skilling & Technical Support (CSTS), Balasore

# **INSTITUTE VISION & MISSION**

### VISION

To become a Premier national Institute in the field of Plastics technology and ensure sustainable growth.

#### MISSION

- To generate technically trained manpower in the field of Design, Tooling, Plastic Processing and Testing through various academic programmes to cater supervisory human resources to Plastics & allied Industries.
- To develop technically skilled manpower to meet the need of Plastics & allied industries in India and abroad through various short term skill development training programmes.
- To provide Technological support services, Consultancy and Advisory Services in the area of Design & Tooling and Plastic processing to the Plastics and allied Industries.
- To develop Entrepreneurs in the field of Plastics Technology through Entrepreneur Development Programmes (EDP).

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### **DEPARTMENT VISION & MISSION**

#### VISION

To make suitable & successful professionals in the field of 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.





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# **DEPARTMENT OF PLASTICS TECHNOLOGY**

# **PROGRAM EDUCATIONAL OBJECTIVES (PEOs)**

### The Programme is expected to:

- 1. To establish the fundamental skills required for producing good-quality plastics products.
- 2. To develop a technical workforce that meets the demands of the plastics industry.
- 3. To create professionals who are responsible and capable of performing independent technical tasks.
- 4. To develop leadership skill, ethical values, take responsibility and integrity and loyalty towards organizations among students.
- 5. To inspire students to pursue lifelong learning as means of improving their technical knowledge and skill.





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# **DEPARTMENT OF PLASTICS TECHNOLOGY**

## **PROGRAM OUTCOMES (POs)**

- 1. **Basic and Discipline specific knowledge:** Apply knowledge of basic mathematics, science and engineering fundamentals and engineering specialization to solve the engineering problems.
- 2. Problem analysis: Identify and analyze well-defined engineering problems using codified standard methods.
- 3. **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.
- 4. Engineering Tools, Experimentation and Testing: Apply modern engineering tools and appropriate technique to conduct standard tests and measurements.
- 5. Engineering practices for society, sustainability and environment: Apply appropriate technology in context of society, sustainability, environment and ethical practices.
- 6. **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.
- 7. Life-long learning: Ability to analyze individual needs and engage in updating in the context of technological changes.

# **PROGRAM SPECIFIC OUTCOMES (PSOs)**

- 1. 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.
- 2. 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.
- 3. 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.

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