

CIPET-CENTRE FOR SKILLING & TECHNICAL SUPPORT (CSTS), HAJIPUR

CIPET HEAD OFFICE VISION & 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 Plastic Materials & Product development will develop New Polymeric Materials and its Applications from Technology Transfer, Intellectual Property (IP) and Knowledge Base.



[Handwritten signature]

CIPET-CENTRE FOR SKILLING & TECHNICAL SUPPORT (CSTS), HAJIPUR

INSTITUTION VISION & MISSION

VISION

- An Institution of national repute working in close proximity with industry to supply futuristic manpower and technological advancements in plastics and allied industry.

MISSION

- To offer a blend of contemporary and futuristic academic as well as skill development programme imbued with entrepreneurial spirit.
- To provide support for incubation or start-up of locally relevant technologies, products and services.
- To provide Technological support in the fields of design, tooling, plastics processing, testing & quality assurance and inspection services to the plastics industries through a Quality Management System.
- To develop an effective networking with relevant industries and institutions/organizations.



[Handwritten signature]

CIPET-CENTRE FOR SKILLING & TECHNICAL SUPPORT (CSTS), HAJIPUR

DEPARTMENT OF PLASTICS MOULD TECHNOLOGY

VISION

- To enrich professionals with knowledge, skill and attitude for the manufacturing of quality moulds for plastics products.

MISSION

- To develop high level competencies in designing, manufacturing and inspecting the Mould, Dies and Tools.
- To train the students with state of the art advanced machining techniques using CAD/CAM/CAE software for efficient mould manufacturing.
- To impart technical exposure to student through intensive interaction by practical demonstration, industrial visit and computer based simulation.
- To establish effective network with related industries, institutions /organizations



CIPET-CENTRE FOR SKILLING & TECHNICAL SUPPORT (CSTS), HAJIPUR

DEPARTMENT OF PLASTICS MOULD TECHNOLOGY

Program Educational Objectives (PEOs)

The programme is expected to:

1. Provide competency to the students to identify the machining process, plan tooling, design & development of the mould and dies.
2. Professionally perform operations on machines including computer based automated machines for manufacturing mould elements.
3. To inculcate students with leadership skills with high level of integrity and ethical values for team building and team work.
4. To motivate student to upgrade their technical skill and knowledge through lifelong learning.



[Handwritten signature]

**CIPET-CENTRE FOR SKILLING & TECHNICAL SUPPORT
(CSTS), HAJIPUR**

DEPARTMENT OF PLASTICS MOULD 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 analyses well-defined engineering problems using codified standard method.
3. **Design/ Development of Solutions:** Design solutions for well defined technical problems & assist with the design of system components or processes to meet specific needs.
4. **Engineering Tools, Experimentation and Testing:** Apply modern engineering tools and appropriate techniques to conduct standards 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 principals individually, as a team member or a leader to manage project 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. The capacity to interpret the theory of Plastic Mould Design & Manufacturing using the latest tools to make mould elements in compliance with relevant specifications.
2. The capacity to identify and resolve the problems in the area of Manufacturing of Plastic Moulds & Dies.

