

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

## INSTITUTION 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; - practice - Plastics
- 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.

*Khishin Kerkoree Mohapatra*



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

## DEPARTMENT OF PLASTICS MOULD TECHNOLOGY

### VISION

- To produce professionals possessing contemporary 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 practical exposure to student through intensive interaction by practical demonstration, industrial visit and computer based simulation.
- To prepare well rounded sensitive and socially relevant human resources.



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

## DEPARTMENT OF PLASTICS MOULD TECHNOLOGY

### Program Educational Objectives (PEOs)

**The programme is expected to:**

- Provide competency to the students to identify machining process, plan tooling, develop and evaluate mould and dies.
- Professionally perform operations on machines including computer based automated machines for manufacturing mold elements.
- Prepare students for employment in diverse industries and also for self employment & entrepreneurship.
- Develop quality consciousness and feeling of responsibility, moral and ethical values, good communication skill as well as lifelong learning.
- Prepare students to pursue higher education in Engineering.



## 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)

- The capacity to interpret the theory of Plastic Mould Design & Manufacturing using the latest tools to make mould elements in compliance with relevant specifications.
- The capacity to oversee the production area to figure out problems/issues/challenges of Plastic Mould manufacturing with decision making capabilities.



*Kishan Kishore Kishore*