

# CENTRE OF EXCELLENCE IN INDUSTRIAL PRODUCT DESIGN Department of Manufacturing Engineering and Industrial Management



**COEP Technological University Pune**

## The COEP Technological University Pune

The COEP TECH University Pune (formerly College of Engineering Pune), forerunners of technical education in the country, established in the year 1854, is one of the premiere engineering institutes in the country which has consistently maintained its tradition of excellence in the field of technical education. Department of Manufacturing Engineering and Industrial Management is catering to the needs of all the disciplines. Owing to the manufacturing challenges and competition in industries, Flexible Manufacturing & Automation is slowly and steadily replacing the conventional manufacturing processes in order to increase productivity. The infrastructure is available in the form of CAD / CAM laboratory, precision measuring-based Metrology laboratory and Robotics laboratory, Rapid Prototyping Lab and FAB Lab.

Our mission is to foster, create and develop capacity amongst students to compete ethically by providing platform for manufacturing inventions of world class standards. To the portfolio of courses already offered; Department has embarked on one year Post Graduate Diploma course in the Integrated Product Design and Development (IPDD) for the students who want to learn more about product design and development right from initial concept to final product. We wish to enhance their knowledge and skillset in the domain of Industrial Product Design, Product Development and Prototyping, Integrated Product design and development.

## About The Centre of Excellence

### The objectives of the center of excellence are:

1. To nurture ideas and innovations (knowledge-based and technology-driven) into successful products/prototypes leads to new startups/ventures through.
2. The Centre will aim at developing new products in the domains of Agriculture Implements / Bio-Medical instruments and Devices / Electric Mobility/ Products for especially abled persons/ Home automation/Electronics toy designs etc. The products thus developed will be available to the society.
3. To develop low cost and simple technological requirement products which in turn will help to produce trained manpower in the industrial product design domain.
4. The Centre will nurture new product design ideas of students and faculties through scouting, supporting and scaling of innovations.

## Post Graduate Diploma In Integrated Product Design & Development (PGDIPDD)

The one-year full time Post Graduate Diploma Programming "Integrated Product Design and Development" (Hybrid Mode) aims at developing skills, knowledge, and aptitude among the students to bring about innovation in industry through creative problem solving. This program will lay equal emphasis on engineering design aspects with the objective to produce post graduate designers with greater analytical ability and synthesizing skills.

The program aims to nurture the ideas and innovations(knowledge-based and technology-driven) into successful PGDIPDD (knowledge-based and technology-driven) into successful start-ups/ ventures. The program aims at working in line with the national priorities and goals and its focus would be to build an innovation driven entrepreneurial ecosystem with an objective of socioeconomic development through wealth and job.

**"From Ideas to product, .. through seamless technology" ....**

# Facilities available @ CoE IPD



Bio-Graph,  
Ergo-Master,  
Ergo-Intelligence



Blackleg  
Dynamometer



Grip Strength  
Dynamometer



Pratham 3D  
Printer

## Ergonomics Lab and Plastic Studio Facility



Apple MAC Studio for  
high end rendering



Design Work stations

## Design Studio Facility

### Plastic Studio

Simu fact Additives,  
Pratham 3D Printer,  
Resin 3D Printer

### Design Studio

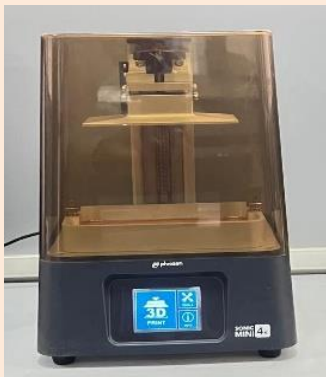
Generative design, XP  
Pen Artist 24 Pro,  
Adobe creative Suit,  
Maya Modelling tool,  
Autodesk Fusion 360

### Ergonomics lab

Ergo Intelligence –  
Product Series,  
Ergonomics -Ergo  
master

### Media Lab

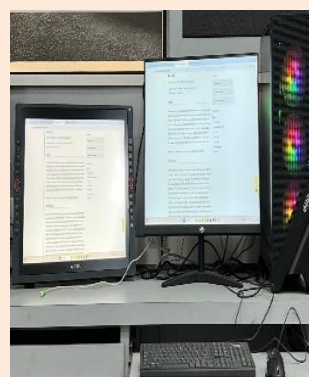
Digital Camera Lances  
and lights for product  
Photography, Media  
Contents



Phrozen  
Mini 4K Resin  
Printer



Sonic Reaction  
Timer For  
Psychometric  
Test



Design work  
stations with XP  
pen



CNC vertical  
Machining centre  
(4 & 5 axis)



Address for communication:  
**Centre of Excellence In Industrial Product Design**  
Department of Manufacturing Engineering and Industrial  
Management,

COEP Technological University Pune, Wellesly Road, Shivajinagar,  
Pune 411 005. Maharashtra, INDIA.

Telephone: +91-20-25507700

<https://www.coeptech.ac.in>

[ssa.mfg@coeptech.ac.in](mailto:ssa.mfg@coeptech.ac.in)

[mvm24.prod@coeptech.ac.in](mailto:mvm24.prod@coeptech.ac.in)

“From Ideas to product, .. through seamless technology” ....