



H.P. Government Sponsored Course under Kaushal Vikas Nigam Scheme Hands-on Course on Product Design and Manufacturing

(09 December 2022 to 31 December 2022)



Overview

Product Design and Manufacturing embraces everything from the mechanical, civil, biomedical and electrical products, to automated assembly processes, to the supply chain that gets materials to the factory. Companies must produce their products at a competitive cost, and this course is designed so that participants gain an understanding of business and economics in addition to hands-on technical skills. As product designs become increasingly sophisticated, researchers in the field are currently working to develop innovations in fuel cells, robotic systems, green manufacturing processes and micro-electromechanical devices and systems.

This course will deal perspectives of marketing, design, and manufacturing into a single approach to product development. Participants of all kinds with an appreciation for the realities of industrial practice and for the complex and essential roles played by the various members of product development teams. The course will blend theory and practice through emphasis on methods. To add the hands on experience, various manufacturing processes will also be demonstrated and separate session laboratory sessions for the same will be organized.

Eligibility

The course is open to motivated diploma engineers, engineering students, practicing/working engineers, PG and Ph.D. level students, teachers/faculty members of technical institutions who are having a strong willingness to get excellence in their scientific and engineering research pursuits. **A maximum of 80 participations from Himachal Pradesh will be selected as per the scheme norms.**

How to Apply

The registration is open for only residents of Himachal Pradesh. Interested participants from can apply through Google form available at webpage.

Registration Deadline: 30th September 2022. Applications will be shortlisted based on academic credentials. Shortlisted candidates will be intimated through email only.

No registration fee, free accommodation and food during the course in IIT Mandi campus.

Course Objectives

- Development Processes
- Opportunity Identification
- Product Planning
- Identifying Customer Needs
- Product Specifications
- Product Architecture
- Industrial Design
- Design for Environment
- Design for Manufacturing
- Prototyping
- Case Studies

About IIT Mandi

Indian Institute of Technology Mandi or IIT Mandi is located at an average altitude of 3000 feet above sea level in the scenic forested Himalayan mountains along the banks of the river Uhl, a tributary of River Beas. IIT Mandi is an autonomous premier engineering and technology institute located in Kamand valley, Mandi, Himachal Pradesh. The institute was established in 2009 by the Ministry of Human Resource Development, Government of India. The focus of IIT Mandi is to spearhead cutting edge research and development of technologies needed by the world in the years to come. Research groups work together in creating and harnessing the newest technologies needed to serve the people of the region and the country, and to tackle problems of global importance.

Course Coordinator

Dr. Sunny Zafar

School of Mechanical & Materials Engineering

Indian Institute of Technology Mandi, Kamand, Mandi-175075, (Himachal Pradesh)

For any clarification, please contact:

E-mail: pdm_hpknv@iitmandi.ac.in

Event Webpage: https://research.iitmandi.ac.in/fem_hpknv/

