

N. K. Orchid College of Engineering and Technology, Solapur
One-week Students/ Faculty/ Industry Internship Program
by
Mechanical Engineering Department

Title: “Product Design - Design Thinking/Innovation/Autodesk Fusion 360”

Duration: 21st July 2020 to 25th July 2020

Mode: Online sessions organised using Zoom app

No. of Participants attended: 75 students from Polytechnic institutes

Faculty Coordinators and Experts: 1. Prof. V.P. Kulkarni

2. Prof. A.S. Dhobale

Programme Objectives

By the end of this programme, participants will:

- Understand the philosophy and process of design thinking, and be able to practise it in specific settings.
- Understand the importance of the design thinking mindset, and the roadmap to building it as an element of organisational culture.
- Be able to derive and structure relevant insights for unstructured problem situations.
- Enhance and practise skills of rapid prototyping.
- Uncover their own creative potential, through both divergent and convergent techniques.
- Use Autodesk Fusion 360 effectively for Product Design

Course Schedule:

Day and Date	Time	Topic
Day 1 21/07/2020	3.30 pm to 3.45 pm	Inaugural Ceremony
	3.45 pm to 4.45 pm	Importance of Design and What is Design Thinking: How does it differ from conventional approaches to problem solving? Writing the Problem Statement: How can creative approaches like storytelling, visualization and journey mapping enable solutions to often intractable problems?
	4.45 pm to 5.45 pm	Autodesk Fusion 360 fundamentals
Day 2 22/07/2020	03.30 pm to 4.30 pm	Understanding Users: How can the Design Thinking process address complex problems across a wide spectrum? Personas, Empathy Maps Current Scenarios to identify pain points
	4.30 pm to 5.30 pm	Sketching

