1. Event Title: Report on "VAP on CAD & 3D Printing"

2. Event Date: 23rd Sept. 2023 onwards

3. Event Conduction Duration: 30 hours

4. Event Venue: Automation and Robotics Department, CAD lab, SITRC

5. Course coordinator: Dr. Abhishek Pratap Singh

6. Name of trainers: Dr. Abhishek Singh (3D printing) & Prof. V A Shaikh (CAD)

7. Course Objectives & Outcomes:

Course Objectives:

The objective of this course is

To impart students to the fundamentals of CAD modeling and various 3D Printing Techniques for application to various industrial needs. Student will be able to convert part file into STL format and will understand the method of manufacturing of prototype/end use product using 3D printing technology.

Course Outcomes:

On completion of the course, learner will be able to–

CO1: Understand and construct different geometrical figures and drawings using 2D & 3D CAD interface.

CO2: Create and plot assembly and detail views of simple geometrical solid with dimension, Tolerance &Annotation in 3D modeling.

CO3: Explain additive manufacturing and 3d printing technology and its emerging trends.

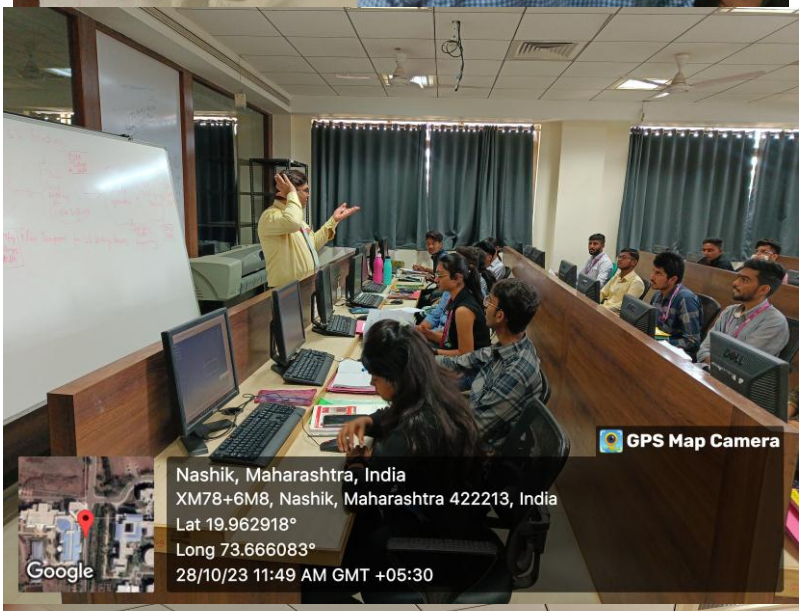
CO4: Explain different processes of additive manufacturing and make simple part of additive manufacturing.

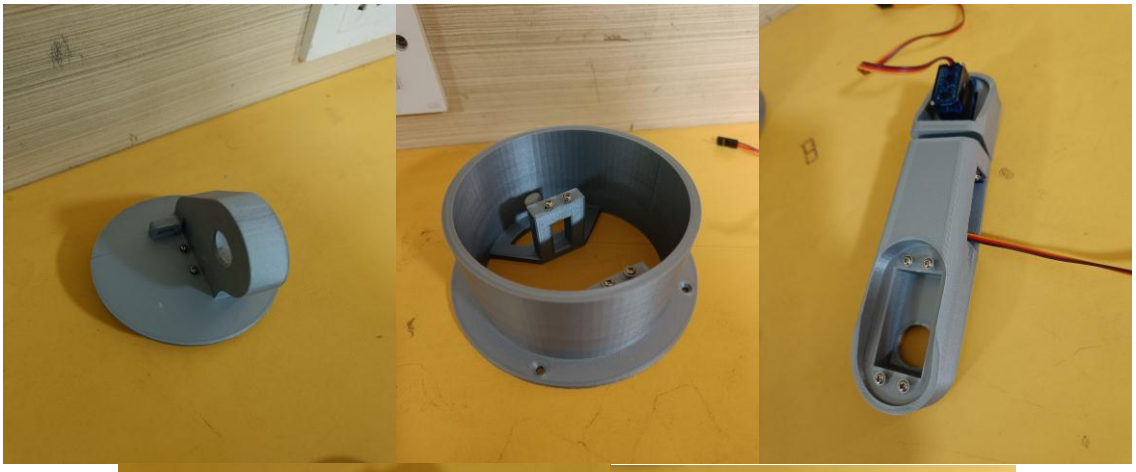
CO5: Develop a prototype/end use product using 3D printing technology.

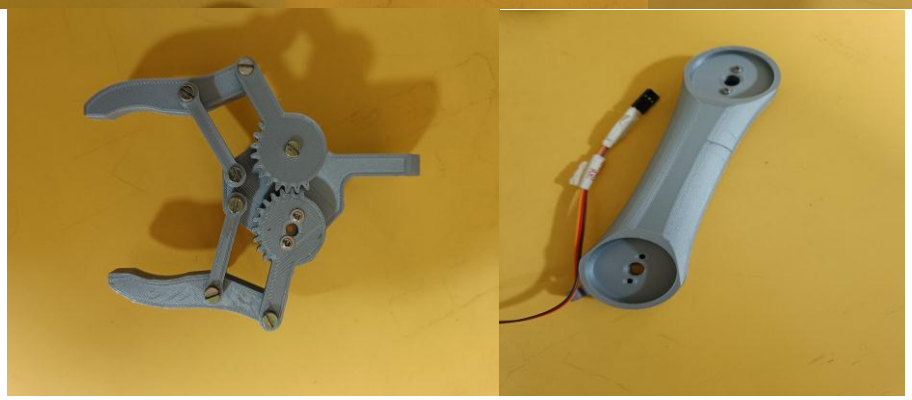
8. Description of course: Automation & Robotics Department organized value added program on "CAD & 3D Printing" for TE Automation and Robotics Students from 23rd Sept. 2023 onwards. It took total 30 hours for completion which was short duration but fruitful. This VAP was conducted for purpose of student's skill enhancement and also to make them industry ready. Though this training will not fulfill all needs but has started a way towards doing the best and achieving the best. Dr. Abhishek Singh (3D printing) & Prof. V A Shaikh (CAD) have served as trainer for this VAP.

Students were assigned one project for 3D printing which they have complete successfully. Parts were distributed amongst students for modeling and printing on 3D printer.

9. Event photos:







Event Coordinator

HOD

Principal

SITRC

Sandip Institute of Technology & Research Center ★ Mahiravani, Nashik ★