

**A REPORT**

**ON**

**Field visit to FAB LAB**

**to**

**“CEPT University, Ahmedabad”**

**In Collaboration with IIC and SSIP**

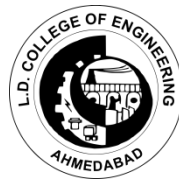
**SSIP**



सत्यमेव जयते  
Government of Gujarat

**AARAMBH Cell – Student Startup and Innovation Cell**

**CONDUCTED BY**

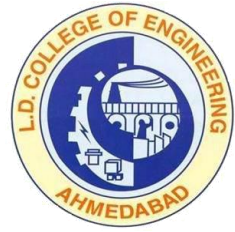


**MECHANICAL ENGINEERING DEPARTMENT  
L.D COLLEGE OF ENGINEERING, AHMEDABAD**

**02 February 2023**



**L. D. College of Engineering**  
**Mechanical Engineering Department**  
**Field visit to FAB LAB at CEPT University,**  
**Ahmedabad**



Objectives of this event were:

- To experience the environment, the skills required, the usage of materials, and the advanced technology to make (almost) anything.
- To identify the product development needs.
- To be aware of advanced facilities like 3D Printer, 3D scanner, Laser cutter, CNC milling, Clay 3D printer, etc.
- To explore different model-making techniques like clay modeling, 3D printing, laser cutting, CNG machining, etc.

This visit gives knowledge for prototype development based on the needs. Students also learned to use and select different materials for the development of a variety of models. They learned to use modern and user-friendly digital production machines like 3D Printer, 3D scanners, lasercutters, etc. Students will identify their capabilities to make (almost) anything by this visit.

Key points:

- FabLab is the educational outreach component of MIT, Center for Bits & Atoms, and an extension of its research into digital fabrication. It means connecting to a global community of researchers, makers, and innovators.
- At FabLab CEPT, they give an overall idea about various workshops which are all hands-on, exploring different techniques of making something and expressing yourself.
- At this lab there are four different sections 1. Wood machining works 2. Metalworks 3. Clay modeling and 4. 3D printing section.
- Technicians demonstrate various operations like clay modeling, 3D printing, Welding, Woodcutting, laser cutting to the students.

The details about the session are as follows:

1	<b>Name of session/ seminar:</b>	Field visit to FAB LAB
2	<b>Date :</b>	02/03/2023
3	<b>Time:</b>	11:00 am to 04:00 pm
4	<b>Venue of the session/Program:</b>	CEPT University, Ahmedabad
5	<b>No. of participants:</b>	44 Students
6	<b>Name of Coordinator:</b>	Dr. M. D. Chaudhari & Prof. G. N. Sutaria Mechanical Engineering Department
7	<b>Photographs of session:</b>	Attached

