

Event Report

- 1) **Name of Event:** TOD - FOD - JOD Workshop
- 2) **Nature of the Event:** Hands on Workshop
- 3) **Date & Time:** 12th August 2026, 02:00 to 5:30 PM
- 4) **Venue:** Mentor Room & Maker Lab - 2, Anviksha, GSFC University
- 5) **Mode of Event:** Offline session
- 6) **Organized by:** GUIITAR Council, GSFC University, SSIP, Startup Gujarat and IIC (MoE)
- 7) **Objective of the Event:**
 - Build Innovation Skills: Introduce participants to design thinking, ideation, creativity, and problem-solving methodologies.
 - Develop Hands-on Product Understanding: Enable participants to explore product disassembly, component analysis, functionality, assembly, and reassembly.
 - Introduce Digital Technologies: Familiarize participants with 3D scanning, digital modelling, and reverse engineering for product development.
 - Promote Prototyping & Experimentation: Encourage students to transform ideas into practical prototypes and innovative solutions through learning-by-doing.
 - Leverage Maker Lab Facilities: Familiarize participants with GUIITAR Council Maker Labs, tools, and technologies to support innovation and prototype development.
- 8) **Resource Persons Involved:**
 - **Mr. Amit Duggal** – Senior Executive (Technical), GUIITAR Council.
 - **Mr. Anoop Upadhyay** - Lab Instructor, GUIITAR Council.
- 9) **Number of Participants:** 59, Annexure – 1
- 10) **Brief of Event:**

The **TOD–FOD–JOD Workshop** was organized to provide participants with an engaging and practical learning experience based on **design thinking, product exploration, disassembly, assembly, reassembly, 3D scanning, reverse engineering, and prototyping.**

The workshop followed a hands-on approach in which participants were encouraged to **observe, understand, dismantle, analyse, assemble, and reassemble** different components/products. Through this activity, participants gained practical understanding of the internal structure, functionality, interrelationship of components, and basic mechanisms involved in a product.

As part of the workshop, participants were also introduced to **3D Scanning technology** and its application in capturing the geometry of physical objects and converting it into digital 3D data. The demonstration helped participants understand how physical components can be digitally captured and subsequently utilized for **reverse engineering, redesign, modification, and prototype development**.

The workshop also emphasized **ideation, teamwork, experimentation, and innovation**, encouraging participants to identify opportunities for improvement and develop practical solutions through prototyping.

The overall workflow demonstrated during the workshop can be represented as:

Observe → Think → Disassemble → Understand → Scan → Redesign → Assemble → Reassemble → Prototype → Innovate

The activities provided participants with practical exposure to the facilities available at **GUIITAR Council Maker Labs** and encouraged them to utilize these resources for academic projects, innovation, experimentation, and prototype development.

11) Learning Outcomes of the Event:

1. Applied Design Thinking: Developed understanding of design thinking, ideation, and innovation methodologies.
2. Hands-on Product Analysis: Gained practical skills in disassembly, component identification, functionality analysis, and reassembly.
3. 3D Scanning & Reverse Engineering: Acquired hands-on exposure to 3D scanning, digital modelling, and reverse-engineering workflows.
4. Prototyping & Product Development: Understood the process of transforming physical components into digital designs and functional prototypes.
5. Innovation & Problem-Solving: Strengthened creativity, teamwork, experimentation, and project-based problem-solving through hands-on learning.

12) Important Photographs



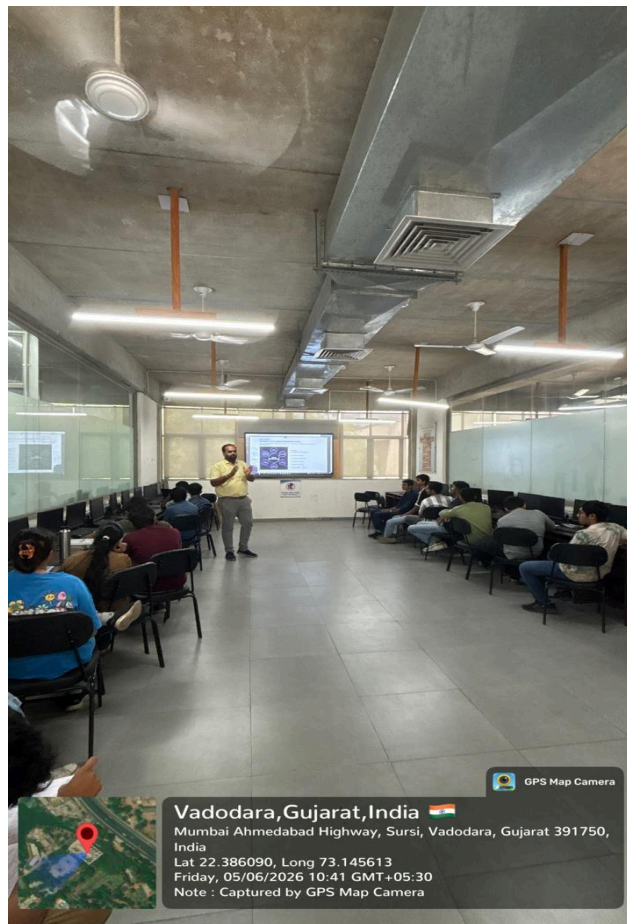
Orientation Session



Hands on Session



3D Scanning session



Theory Session

Annexure-1

Number of Participants:

#	Enrollment No.	Full Name	Email ID	Mobile No.	School	Sem	Program
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