# Event Report

## PCB Design Workshop

## Introduction:

The **Department of Electronics Engineering** at Madhav Institute of Technology & Science successfully organized a **PCB Design Workshop** aimed at introducing students to the fundamentals of circuit design, simulation, and printed circuit board (PCB) development, held on 13th and 15th April 2026 in online mode.

The primary goal of the workshop was to provide participants with hands-on exposure to modern electronic design tools and methodologies. It focused on bridging the gap between theoretical knowledge and practical implementation in the field of electronics engineering.

## Workshop Sessions and Activities:

The workshop introduced students to:

**Circuit Design Basics** – Understanding electronic components and schematic creation

**Simulation Techniques** – Testing and validating circuit behavior before physical implementation

**PCB Designing** – Converting schematics into PCB layouts suitable for manufacturing

A major highlight of the workshop was the use of the EasyEDA tool, a user-friendly, web-based platform that enabled participants to:

- Design circuit schematics
- Perform real-time simulations
- Create PCB layouts efficiently.

## Coordination and Management

The workshop was conducted under the guidance of faculty coordinators:

- Dr. Varun Mishra
- Dr. Vikas Mahor
- Dr. Shailendra Singh

They were supported by resource coordinators:

- Dr. Varun Mishra
- Dr. Vikas Mahor

The event was smoothly managed with the help of the student coordinator:

- Adarsh Narwariya

## Schedule

- **1st Year Electronics Students:** 13th April 2026
- **2nd Year Electronics Students:** 15th April 2026
- **Time:** 3:00 PM – 6:00 PM

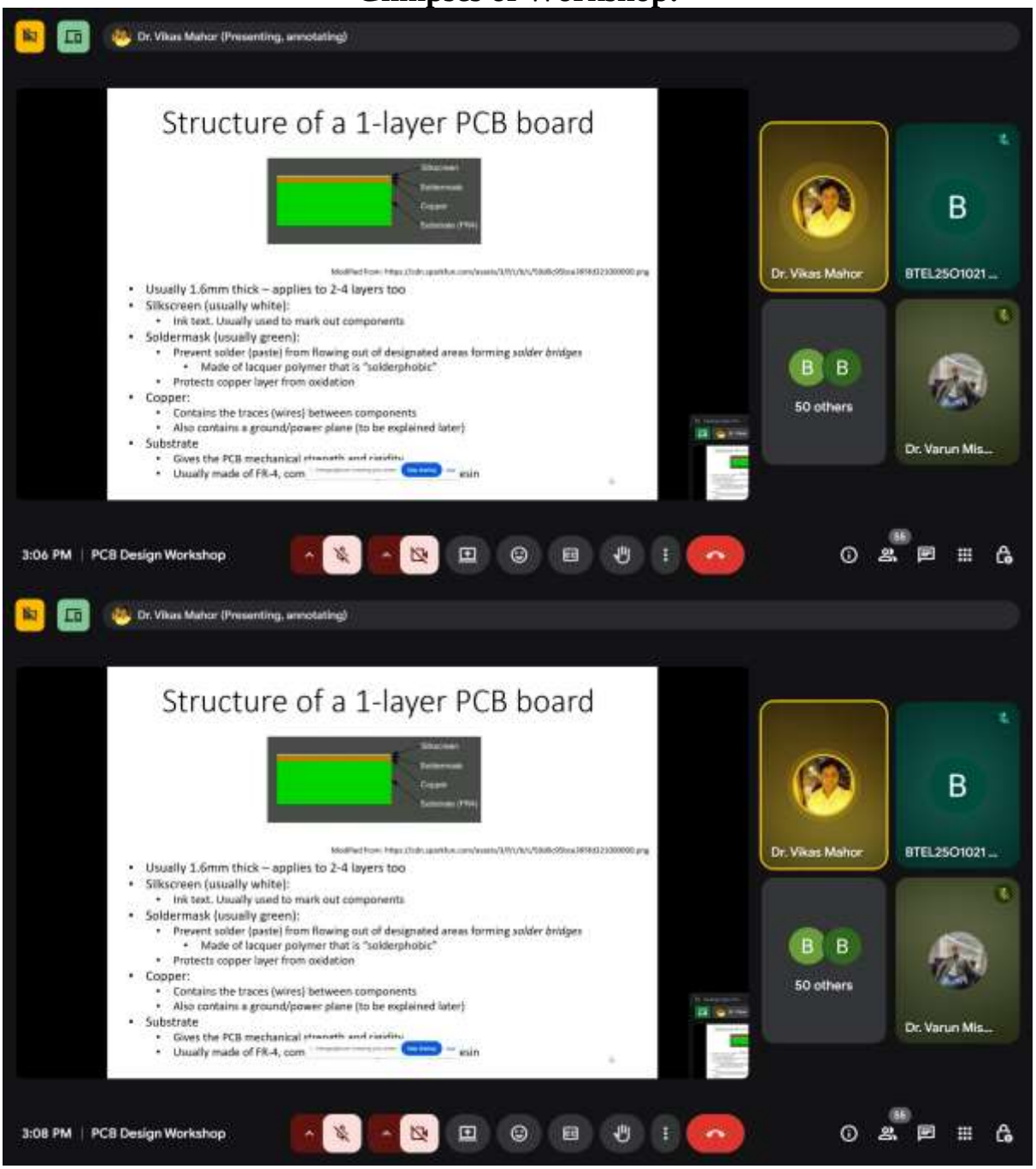
## Outcome

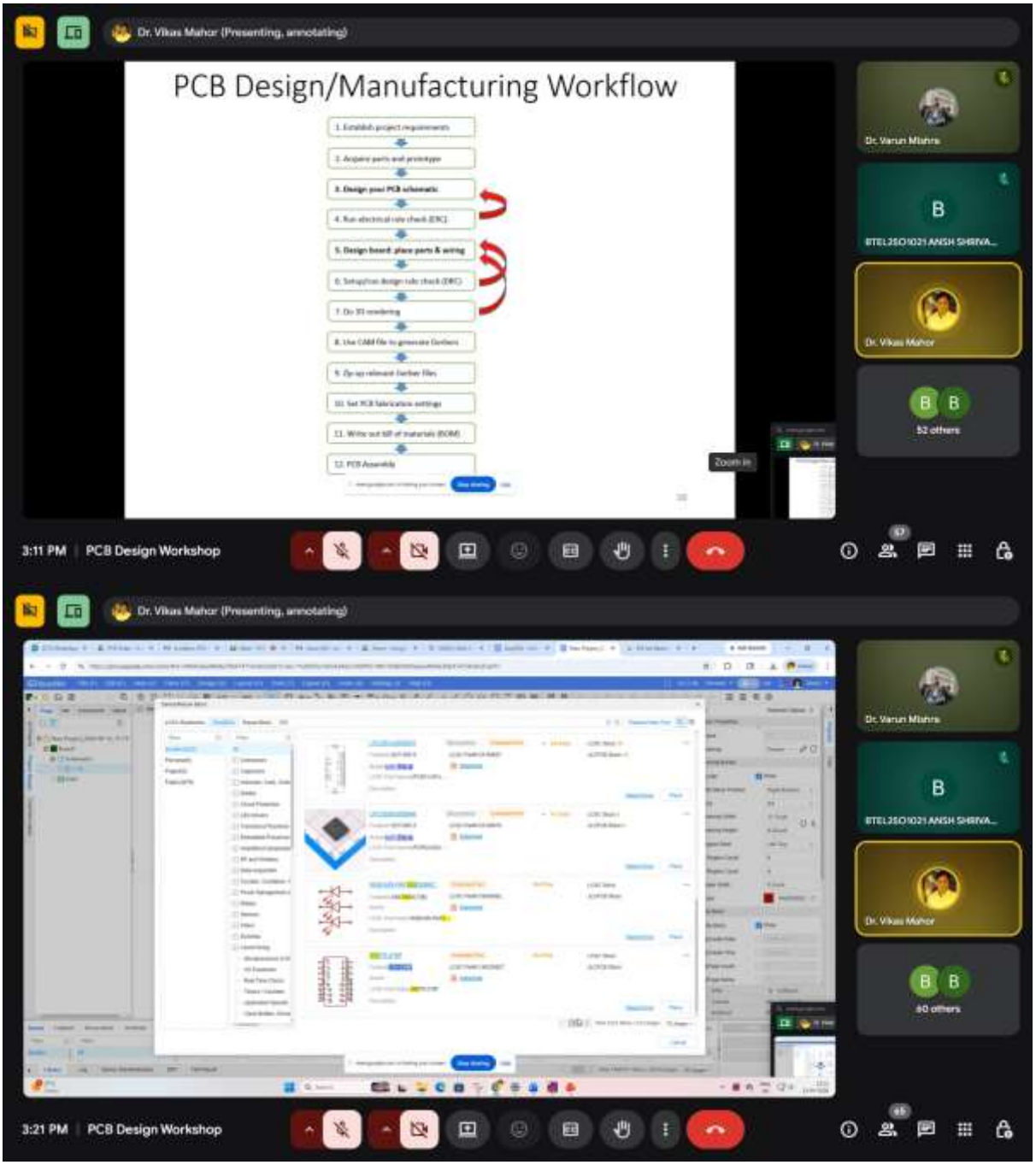
Participants gained practical insights into PCB design workflows and developed foundational skills in using professional tools like EasyEDA. The workshop enhanced students' understanding of electronics design processes and encouraged innovation and hands-on learning.

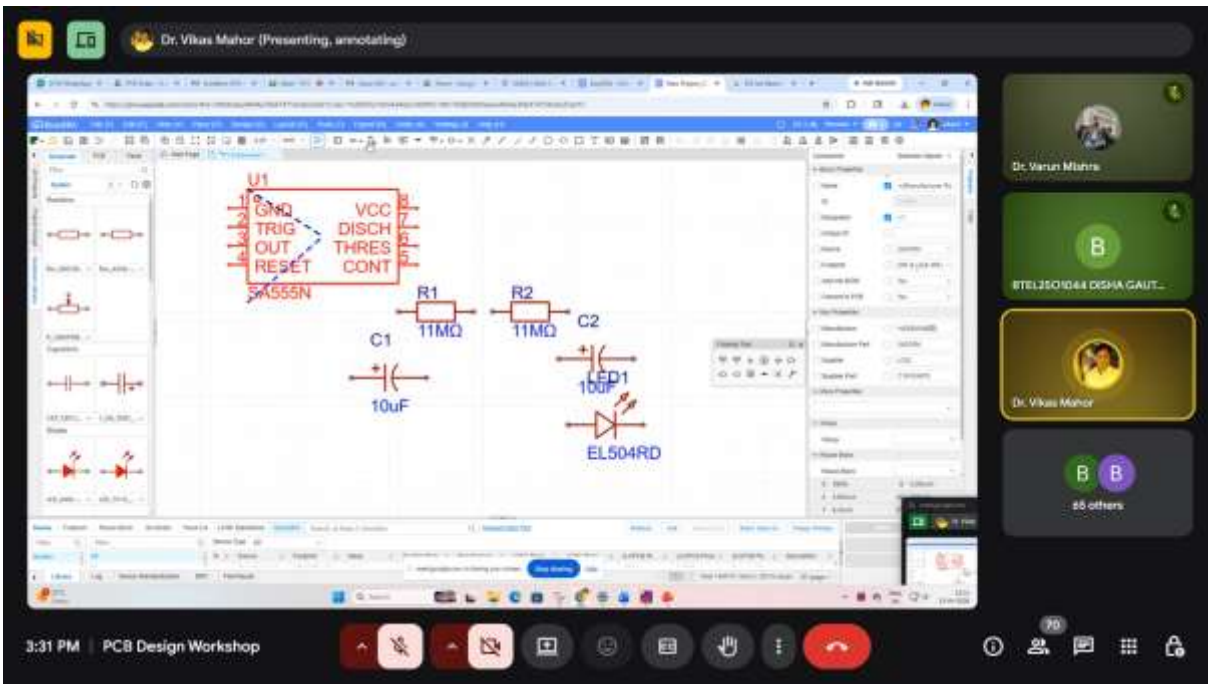
## Conclusion

The PCB Design Workshop proved to be highly beneficial, equipping students with essential technical skills relevant to both academic projects and industry applications. Such initiatives play a crucial role in preparing students for real-world engineering challenges.

## Glimpses of Workshop:




Dr. Vikas Mahor (Presenting, annotating)
PCB Design/Manufacturing Workflow
Dr. Varun Mishra
B
BTEL25O1021 ANSH SHRIVA...
Dr. Vikas Mahor
B B
52 others
3:11 PM | PCB Design Workshop
Dr. Vikas Mahor (Presenting, annotating)
Dr. Varun Mishra
B
BTEL25O1021 ANSH SHRIVA...
Dr. Vikas Mahor
B B
60 others
3:21 PM | PCB Design Workshop




**Dr. Varun Mishra**
**Event Coordinator**

**Dr. Vikas Mahor**
**Event Coordinator**

**Dr. Shailendra Singh**
**Event Co-Coordinator**

**Prof. (Dr.) Laxmi Shrivastava**
**HoD, Electronics Engineering**