



## Koneru Lakshmaiah Education Foundation

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online webinar on “**Fundamentals Of PCB Design**”. This webinar is organized by IEEE Nano Technology Society, Department of ECE, KLEF from 06-Oct-2023.



# FUNDAMENTALS ON PCB DESIGN



DATE   
October 6TH, 2023

TIME   
7 PM - 8 PM

SITE   
[ieee\\_nanotechnology\\_klu](#)

## MARIO STRANO

Sr.PCB DESIGN Engineer,Nikola Motor  
President,ECAD Central

## **1. Introduction:**

The online webinar titled "Fundamentals of PCB Design" was organized by the IEEE Nanotechnology Society in collaboration with the Department of Electronics and Communication Engineering (ECE) at KLEF. This webinar aimed to provide participants with foundational knowledge and practical insights into printed circuit board (PCB) design, a critical aspect of electronics engineering.

## **2. Objectives:**

- ✓ To introduce participants to the basic principles and concepts of PCB design.
- ✓ To explore the components, layout, and manufacturing processes involved in PCB design.
- ✓ To provide practical tips and best practices for designing efficient and reliable PCBs.

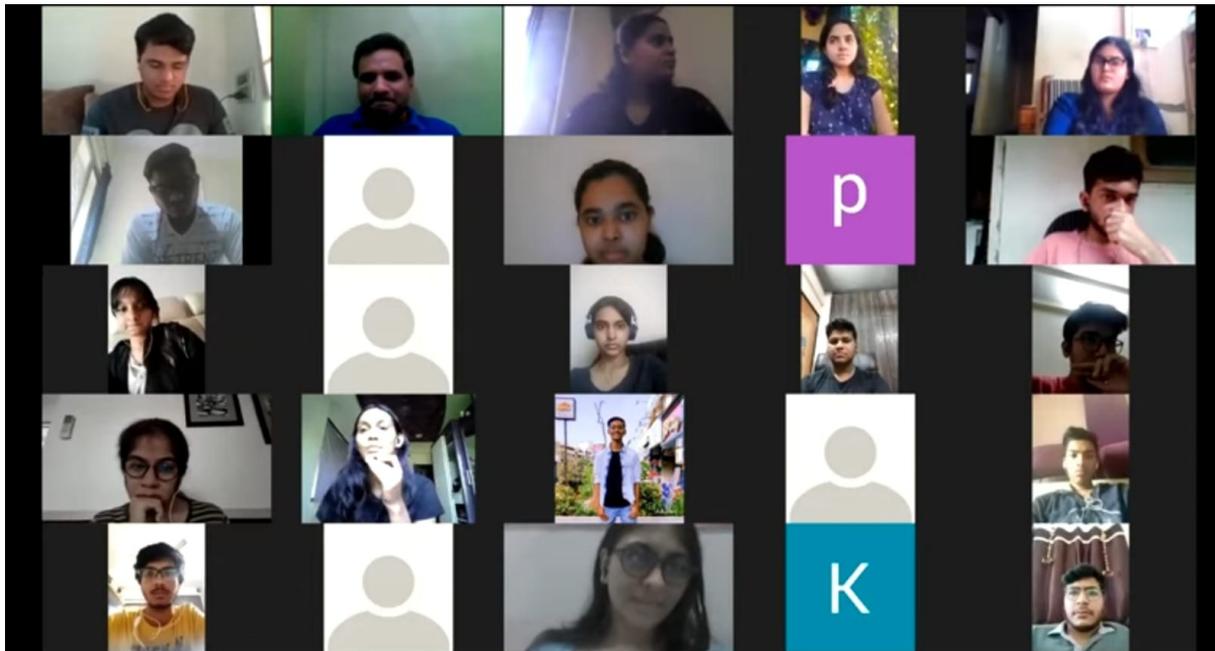
## **3. Agenda:**

- ✓ Welcome Address by the Organizers
- ✓ Keynote Speech on "Introduction to PCB Design Principles"
- ✓ Presentation on "Components and Layout Considerations in PCB Design"
- ✓ Demonstration of PCB Design Software (if applicable)

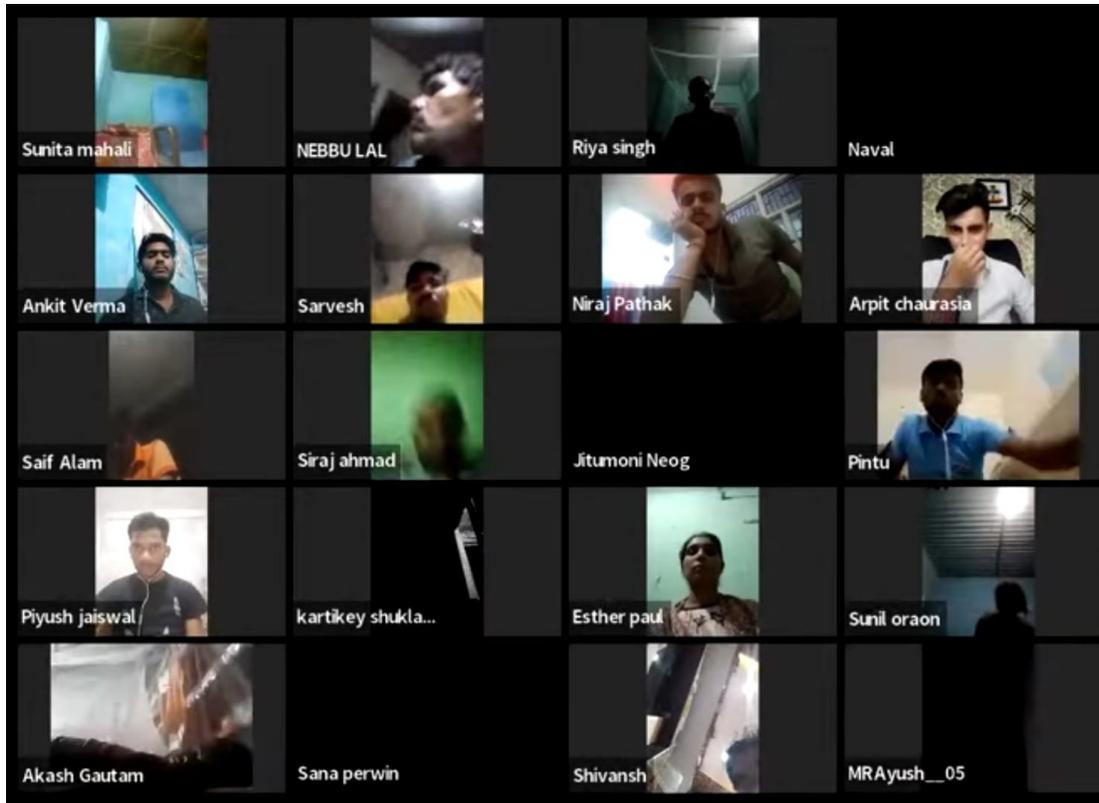
## **4. Highlights:**

- ✓ The webinar began with a warm welcome from the organizers, expressing appreciation to the participants and speakers for their attendance.
- ✓ The keynote speech provided an overview of PCB design principles, including circuit layout, signal integrity, power distribution, and thermal management.
- ✓ The presentation session delved into components and layout considerations in PCB design, covering topics such as component placement, routing techniques, ground planes, and signal traces.

- ✓ If applicable, a demonstration of PCB design software may have been conducted to illustrate the practical implementation of design principles and techniques.
- ✓ The Q&A session allowed participants to engage with the speakers, ask questions, and seek clarification on topics related to PCB design.



Online Meeting Screenshot



Online Meeting Screenshot

## 5. Feedback:

- ✓ Positive feedback from participants regarding the webinar's content, speakers' expertise, and organization.
- ✓ Suggestions for future webinars or topics within the realm of electronics and PCB design.

## 6. Conclusion:

The online webinar on "Fundamentals of PCB Design," organized by the IEEE Nanotechnology Society in collaboration with the Department of ECE, KLEF, provided participants with valuable insights and practical knowledge essential for designing efficient and reliable printed circuit boards. The event facilitated meaningful discussions and contributed to the professional development of attendees interested in electronics engineering and PCB design.

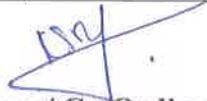
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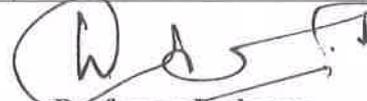
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