

## Event Report on Two days workshop on “Electronics System Design and EDA tools”

**Date:** 8<sup>th</sup> & 9<sup>th</sup> August 2022

**Organized by:** ISTE SB GCET in association with the EC Department

**Time:** 9:30 to 4:00 PM

**Venue:** D-308 EC COMPUTER CENTER- II

**Target Student Group:** 3<sup>rd</sup> Year EC students

PCB design combines many of the fundamental concepts in electronics engineering with a focus on designing a physical product. Creating a manufacturable PCB is like solving a complex puzzle, where the rules are based on fundamental concepts in electronics engineering. Students can gain some important benefits from PCB design workshop as part of an electronics engineering curriculum.

The workshop schedule and the contents covered are as per following:

### 🚩 Day-1

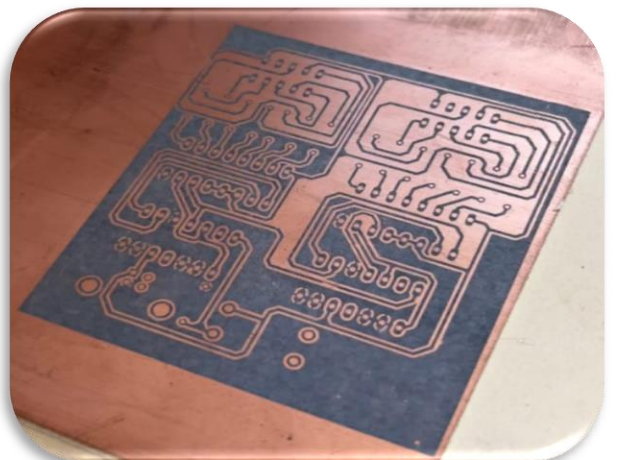
- Fundamental circuit design and schematic capture
- Simulation and analysis in Eagle Autodesk
- Understanding Datasheet

### 🚩 Day-2

- Physical layout
- Methods of PCB fabrication
- Creating Library in Eagle

The sessions were conducted by domain expert Mr. Jil Patel (EC Alumni), Creado Labs for both the days. Prof. Rohit Parmar has given the expert introduction and brief about the workshop, and after completion of all the topics, it was concluded with the PCB design with chemical etching process. The workshop is organized as a part of professional elective subject Electronic System Design practical course and coordinated by Prof. Parthesh Mankodi under the leadership of Dr Hitesh Shah.

At the end of the day, hardware engineering is all about creating a design that can be manufactured at volume.



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