



Department of Electronics and Telecommunication Engineering

## **PCB CLUB REPORT**

**Date:-8 /08 / 2018**

### **Objective-:**

Strives to stimulate the interest in design and development of PCB among the student's of the institution. To train students who have the passion to excel in hardware projects to complete their TE and BE projects and excel in their knowledge on various PCB manufacturing tools.

### **Procedure-:**

Under this PCB club activity as, an industry expert was invited to take session on design and development of single and double layer PCB in institute level for SE, TE, BE students from all branches. In this, Students are exposed to PCB designing using Eagle software and also the training was given on manufacturing of double layer PCB which included Application of photo-resist material on copper clad, ultra violet Exposure, Drying of board (roasting), Etching and Drilling.

Students secured the knowledge to make the schematics of the circuits of single layer and double layer PCB using various components in the EAGLE software. Adding new libraries to get new components from third party sources was taught.

Then the software simulated schematic was converted into board. The professional from the industry taught how to develop a single layer and double layer PCB by explaining each and every step in detail.

The doubts asked by students were cleared and thus session held on 8/08/2018 helped students in a better way to understand the EAGLE software and students understood the software and hardware designing of PCB.



### **Outcomes-:**

This PCB club activity helps students of various branches in institute to understand the process to design and develop double layer PCB. Also students interested in doing hobby projects can also be benefited.

### **Faculty Coordinator-:**

1. Prof. Pournima kawalkar
2. Prof. Neda Khan

### **Student Coordinator-:**

1. Rahul S. Soni (BE)
2. Rohan Patil (TE )
3. Ketki Patil (SE)
4. Anand Patil (SE)

**Conclusion:-**PCB activity carried out, helped the student to understand the key concepts of Eagle software and hardware components of developing double layer PCB which lead them to design and develop their own double layer PCB.

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Thus sessions held on during the club activity helped students in a better way to understand the EAGLE software. Students understood the software and hardware designing of PCB.

For upgrading quality of club one expert Mr. Kale from Phenix limited has been called on date 8/8/2018, 3 pm -5pm . He conducted Demo on Eagle software and double sided PCB. Faculties and students participated to excel their knowledge.

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