Printed Circuit Board (PCB) laboratory

A PCB (Printed Circuit Board) lab is a facility where electronic circuits are designed, fabricated, and tested. It typically involves:

Designing: Engineers use software to create the circuit layout, specifying the placement of components and traces.

Fabrication: The designed circuit is transferred onto a PCB through processes like etching or milling, creating a physical board with copper traces.

Assembly: Components like resistors, capacitors, and chips are soldered onto the board, forming the complete circuit.

Testing: The assembled PCB undergoes various tests to ensure functionality and troubleshoot any issues.

Prototyping: Laboratory may also focus on prototyping, allowing for small-scale production and refinement of electronic designs.

Overall, a PCB lab plays a crucial role in the development and optimization of electronic devices.

PCP lab caters the need of designing the PCB by using automatic computer-controlled PCB machine as well as manually. This lab has complete setup of PCB making through manual process and can be designed automatically. This lab has a LPKF automatic computer-controlled machine which can make any complete PCB (single sided, double sided) automatically using single LPKF software.


Department of Electronics
and Communication Engineering
DELHI TECHNOLOGICAL UNIVERSITY
PROJECT LABORATORY
Lab Incharge
Prof. J Panda
Co- Lab Incharge
Dr. Anukul Pandey
Technical Assistant
Mr. Sanjeev Mishra
Lab Attendant
Mr. Abdul Kalam


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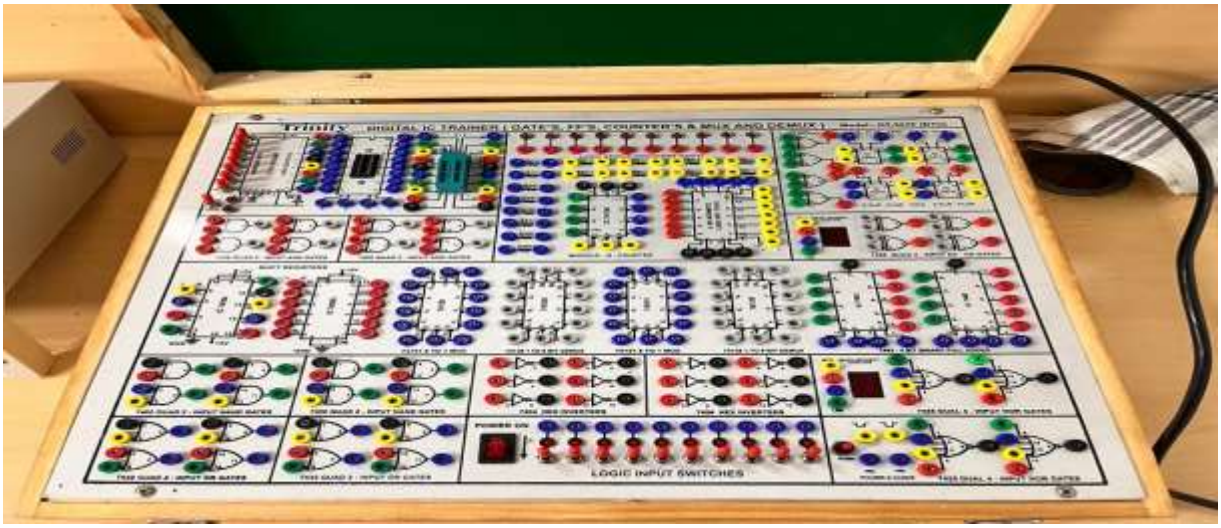
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