

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

PCB DESIGN LABORATORY

Overview:

- This laboratory was setup with the partnership of SIENNA ECAD and our institution
- SIENNA ECAD is USA based services provider to the electronics industry with design capabilities from System definition to manufacturing.
- Other SIENNA Group companies are Avalon Technologies, an Electronic Manufacturing Services company based in India with facilities in Chennai & Bengaluru.
- Our Department of ECE went on an MOU with an Sienna Ecad on 25th June 2015. Department of ECE has included PCB Design Course in curriculum from the same year, it is very useful to gain practical knowledge of PCB Design in Industrial Applications.
- Mentor Graphics tool is used for PCB Design and is included in our academic curriculum and many final year students are interested to do their projects in PCB.
- The area of laboratory is 86.80 Sq.m(32.5*28.75)

Facility Available:

- Personal Computer with i5 Processor, 4 GB RAM, 500 GB HDD
- Personal Computer with Intel Pentium Dual Core Processor, 4 GB RAM, 500 GB HDD
- PCB Mentor graphics Xpedition enterprise tool 50 users

Course Offered Details:

- 18ECE019J-PCB Design Engineering

Objectives:

The Student should Made to

- Learn the Basics building blocks in PCB design
- More knowledge in the different packages aspects.
- Be familiar with the design tools and parameters
- Be exposed to the performance of various terminologies.
- Learn the fabrication and assembly in advance technology.



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Outcomes:

Upon completion of the course, the students will be able to

- To design a complete electronic product.
- To increase efficiency of the system design.
- To design high speed printed circuit board with minimum interference.
- To make our world free from unwanted electromagnetic environment.



Snapshot of PCB design laboratory