



Malla Reddy Engineering College

(AUTONOMOUS)

(An UGC Autonomous Institution Approved by AICTE and Affiliated to JNTU Hyderabad. Accredited by NAAC with 'A' Grade (II - Cycle))

REPORT ON A THREE DAY WORKSHOP ON "PCB DESIGN AND FABRICATION PROCESS"

The department of ECE has organized *A Three Day Workshop ON "PCB DESIGN AND FABRICATION PROCESS"* during 08th to 10th February 2018. The department has invited the resource persons from **PGP Electronics Private Limited, Hyderabad.**

During the First day of program, introduction to PCB, PCB fabrication process, Importance of PCB design, Types of PCBs, Multi-layer PCBs, and Material used for PCB is explained. Introduction to CAD tools, Overview of CAD tools, Generic tools, Introduction to PCB Design Software, Schematic capture, Schematic to PCB conversion, Creating new project, Introduction to the tools, Introduction to component Manager, Schematic Capture, Placing components, Interconnection of components, wiring, Labelling the nets, DRC check, Fixing up the errors, are Covered.

During Second day of program, Introduction to design rules, Introduction to layers, Defining board size, Conversion of Schematic to PCB, Auto routing, Interactive routing, Introduction to PCB Design tools, Selection of foot prints, Wiring the interconnection, Manipulation of tracks, Manipulation of pads, Preparation of silk screen, Creating silk screen Handling of chemicals, About Film, Transfer of film, Transfer of circuit on to copper clad, Drying process, Etching process, cleaning process, Drilling are covered. During Three day of program, soldering is covered.

Around 94 students attended and benefitted from this workshop. A good feedback was given by the participants and this program was coordinated by Mr. Rama Satya Balaji Aradani.




(Mr. R.S. Balaji)
CO-ORDINATOR


(Mrs. P.S. Indrani)
HEAD, ECE DEPARTMENT


(Dr. S. Sudhakara Reddy)
PRINCIPAL