



## **NARAYANA ENGINEERING COLLEGE:: NELLORE**

**Muthukur Road, Nellore-524004**

### **DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING**

Department of Electronics and Instrumentation Engineering has conducted a **certificate course** on “**PCB Design and Fabrication**” from **24/09/ 2018 to 27/09/2018**. The main aim of this **certificate course** is that the students can able to stand apart from the rest in the industrial market by adding further value to their resume. These four days session was taken by **Mr K. Harsha Vardhan** from **Technotran, Nellore**.

The objective of this certificate course is to provide Knowledge on

- Electronic components
- Schematic drawing design
- circuit simulation
- PCB Design techniques

A Printed Circuit Board, or PCB, is used to mechanically support and electrically connect electronic components using conductive pathways, tracks or signal traces, etched from copper sheets, laminated onto a non-conductive substrate.

This is a 4-day program which focuses on advanced topics of PCB design along with Fabrication Process. Each participant will design a PCB layout using KI-CAD software and they will carry out etching process on a laminated copper sheet provided to them. They will also perform Drilling process using a hand driller, and finally will be made to assemble and solder the electrical components onto the board.

**The total of 89 students from II year & III year attended for this course.**

The content covered during these four days includes basic knowledge on electronic components, Schematic drawing, circuit simulation and hands –on experience in PCB layout design.



