

Aurora's Degree & PG College
 (ACCREDITED BY NAAC WITH 'B++' GRADE)
 Chikkadpally, Hyderabad 50020
 Department of Physics and Electronics
 Workshop on “PCB Making Process”
 (In Collaboration with NSIC)



NAME OF THE EVENT	Workshop at NSIC on “PCB Making Process”
TYPE OF EVENT	Department Event
FACULTY INCHARGE	Mr. Shaik Abdul Khader, R Sravan Kumar and C Poorna Chander
DEPARTMENT	Electronics & Physics
DATE	8 th , 9 th and 10 th April,2019
VENUE	NSIC, Kushaiguda,Hyderabad
TARGET AUDIENCE	MECS and MPCS I,II,III Year students

Objective: The workshop was aimed to provide knowledge about Complete PCB Designing using simulation tool to test electronics & electrical circuit in software environment and also its Fabrication, PCB design software & to make physical PCB at home so that any student can make project on his own

Introduction:

Printed Circuit Boards are essential part of a electronic connections to generate a mechanical support as well. Conductive tracks, pads and other features etched from copper sheets laminated onto a non-conductive substrate to connect capacitors, resistors or active devices which are generally soldered on the Printed Circuit Board. As bread board cannot be used as there was substantially increased number of components and for smaller packaging sizes of Integrated circuits that’s makes PCB more essential. It is more of an art then just science with lots of scope for designer.

Methodology:

Department of Physics and Electronics has organized a workshop in collaboration with NSIC(National Small Industries Corporation) which is an ISO 9001-2015 certified Government of India Enterprise under Ministry of Micro, Small and Medium Enterprises (MSME).

Workshop was organized at NSIC, each day four sessions were conducted. A detailed description on the types of PCB’s were explained during first session followed up by practical session to design a basic circuit of rectifier using PADS PCB design Software, In the remaining sessions students mounted there circuit on PCB board and designed layout for PCB and tested their design.

OUTCOME:

- Students learned designing electronic circuits using PADS PCB design software.
- Students learned how to implement PCB Layout from Electronic Circuit design .

PHOTOGRAPH:

