



EVENT REPORT

IEEE MSIT AWP-PCB LAB

PCB DESIGNING

12v to 5v converter circuit using IC 7805

IEEE MSIT AWP-PCB lab organized a PCB (printed circuit board) designing workshop on 24th February, 2020. PCB designing is one of most emerging field in electronics today. **Printed circuit board (PCB) design** brings the electronic circuits to life in the physical form. Using different software (such as EAGLE, kiCAD etc), the **PCB design** process combines component placement and routing to define electrical connectivity on a manufactured circuit board. The workshop aimed to provide knowledge about simulation tool to test electronics and electrical circuit in software environment. For this purpose PCB design software named EAGLE was used

The session mainly focused on:

1. Schematic design
2. Component footprint design
3. PCB design and printing
4. Etching of PCB

The event started by the informative brief given by the organizers regarding the components to be used for the making of **12v to 5v converter circuit using IC 7805**. All the participants gained a lot of knowledge and confidence through this program and were encouraged to design their own PCBs.

All the participants who attended the session only had positive comments to make about it and helped to create a real buzz around the event. The mentor's understanding of the challenges of the particular project and their skill in engaging the participants helped to conclude the session successfully.

