

Deptt. Of ECE
Virtual Lab Experiments

Sem: III ECE

Lab: PCB and Electronics Workshop Lab

S.No	Experiment	Virtual Lab link
1	Introduction & Hands on experience to use circuit creation & simulation software like TINAPRO , P-SPICE or ORCAD etc.	Not Available
2	Design a full wave centre tapped rectifier & study the effect of capacitive filter & its output on a virtual oscilloscope.	http://iitd.vlab.co.in/?sub=67&brch=185&sim=430&cnt=1
3	Design a RLC resonance circuit & verify the transient & phase response for different values of R,L &C.	http://iitk.vlab.co.in/?sub=27&brch=236&sim=1213&cnt=1
4	Design a circuit for a fixed power supply	http://amrita.vlab.co.in/?sub=1&brch=282&sim=1207&cnt=1
5	Design a half adder using discrete components & verify the timing diagrams	http://deploy.virtual-labs.ac.in/labs/cse15/exp1/index.php?section=Theory
6	Convert the power supply circuit into PCB & simulates its 2D & 3D view	Not Available
7	PCB printing using screen printing or any other technique	Not Available
8	Etching of the above PCB	Not Available
9	UV exposure & Drilling of PCB	Not Available
10	Coating of etched PCB to protect it from oxidation.	Not Available