

Deptt. Of ECE
Virtual Lab Experiments

Sem: V ECE

Lab: Analog Electronic Circuits

Sr.No	Experiment	Virtual Lab link
1	Design & measure the frequency response of an RC coupled amplifier using discrete components.	http://iitb.vlab.co.in/?sub=43&brch=223
2	Design a two stage RC coupled amplifier and determine the effect of cascading on gain and bandwidth	Not Available
3	Study the effect of voltage series, current series, voltage shunt, and current shunt feed-back on amplifier using discrete components	Not Available
4	Design & realize inverting amplifier, non-inverting and buffer amplifier using 741 Op Amp	http://dei.vlab.co.in/?sub=22&brch=60&sim=1119&cnt=1 http://dei.vlab.co.in/?sub=22&brch=60&sim=1120&cnt=1
5	Verify the operation of a differentiator circuit using 741 op amp and show that it acts as a high pass filter	http://dei.vlab.co.in/?sub=22&brch=60&sim=1118&cnt=2166
6	Verify the operation of an integrator circuit using 741 op amp and show that it acts as a low pass filter	http://dei.vlab.co.in/?sub=22&brch=60&sim=1117&cnt=1
7	Design and verify the operations of op amp adder and subtractor circuits.	Not Available
8	Plot frequency response of AC coupled amplifier using op amp 741 and study the effect of negative feedback on the bandwidth and gain of the amplifier.	Not Available
9	Study of IC 555 as monostable multivibrator	http://iitb.vlab.co.in/?sub=43&brch=225&sim=997&cnt=1
10	Study of IC 555 as astable multivibrator	http://iitb.vlab.co.in/?sub=43&brch=225&sim=998&cnt=1
11	Study of 8 bit monolithic Analog to digital converter	http://coep.vlab.co.in/?sub=28&brch=81&sim=626&cnt=1095