

**Deptt. Of ECE**  
**Virtual Lab Experiments**

LINK: [www.vlab.co.in](http://www.vlab.co.in)

**Sem: III ECE**

**Lab: Network Theory**

<b>Sr. No.</b>	<b>Experiment</b>	<b>Virtual Lab link</b>
1	To calculate and verify "Z" parameters of a two port network	<a href="http://iitkgp.vlab.co.in/?sub=39&amp;brch=124&amp;sim=1006&amp;cnt=1">http://iitkgp.vlab.co.in/?sub=39&amp;brch=124&amp;sim=1006&amp;cnt=1</a>
2	To calculate and verify "Y" parameters of a two port network	<a href="http://iitkgp.vlab.co.in/?sub=39&amp;brch=124&amp;sim=1006&amp;cnt=1">http://iitkgp.vlab.co.in/?sub=39&amp;brch=124&amp;sim=1006&amp;cnt=1</a>
3	To calculate and verify "H" parameters of a two port network	<a href="http://iitkgp.vlab.co.in/?sub=39&amp;brch=124&amp;sim=1006&amp;cnt=1">http://iitkgp.vlab.co.in/?sub=39&amp;brch=124&amp;sim=1006&amp;cnt=1</a>
4	To calculate and verify "ABCD" parameters of a two port network	<a href="http://iitkgp.vlab.co.in/?sub=39&amp;brch=124&amp;sim=1006&amp;cnt=1">http://iitkgp.vlab.co.in/?sub=39&amp;brch=124&amp;sim=1006&amp;cnt=1</a>
5	To determine equivalent parameter of parallel connections of two port network and study loading effect	Not Available
6	Transient response of RC circuit on any of above software	<a href="http://iitb.vlab.co.in/?sub=43&amp;brch=224&amp;sim=987&amp;cnt=1">http://iitb.vlab.co.in/?sub=43&amp;brch=224&amp;sim=987&amp;cnt=1</a>
7	To find the resonance frequency, Band width of RLC series circuit using any of above software	<a href="http://iitb.vlab.co.in/?sub=43&amp;brch=224&amp;sim=988&amp;cnt=1">http://iitb.vlab.co.in/?sub=43&amp;brch=224&amp;sim=988&amp;cnt=1</a>
8	Transient response of RL circuit on any of above software	Not Available
9	To determine equivalent parameter of series connections of two port network and study loading effect	Not Available
10	To synthesize a network of a given network function and verify its response	Not Available

**Hari Mohan Rai**