EE 2240: Electrical and Electronic Circuit Simulation Laboratory
Credit- 1.5

Course Teachers: Dr. Md. Jahirul Islam
&
Dr. Md. Tawabur Rahman

- ❑ **References:**
- ➢ 1ˢᵗ & 2ⁿᵈ Years' Electrical Circuit and Electronics Books
- ➢ https://saadat.us/pspiceintro201.htm
- ➢ https://home.olemiss.edu/
- ➢ Other online sources
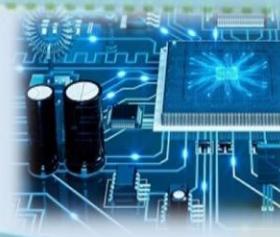
Course Information Outline

❑ **TOPIC 1**: Introduction to Electronic Circuit Simulation and Software Packages
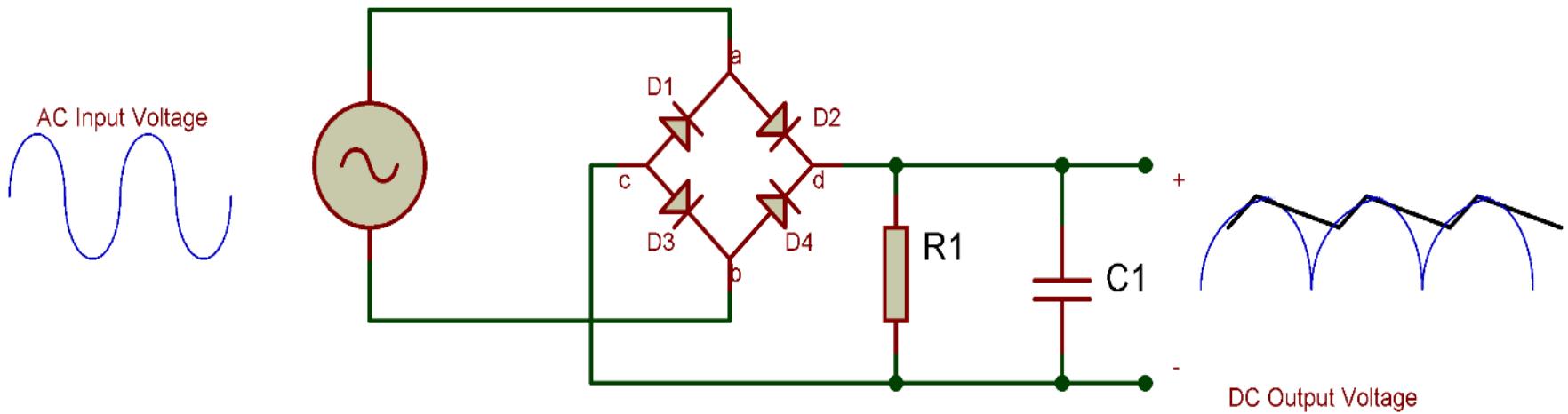
❑ **TOPIC 2**: **Circuit Simulation with PSPICE**

❑ **TOPIC 3**: Circuit Simulation with PROTEUS

❑ **TOPIC 4**: Introduction to MATLAB and Circuit Simulation with MATLAB
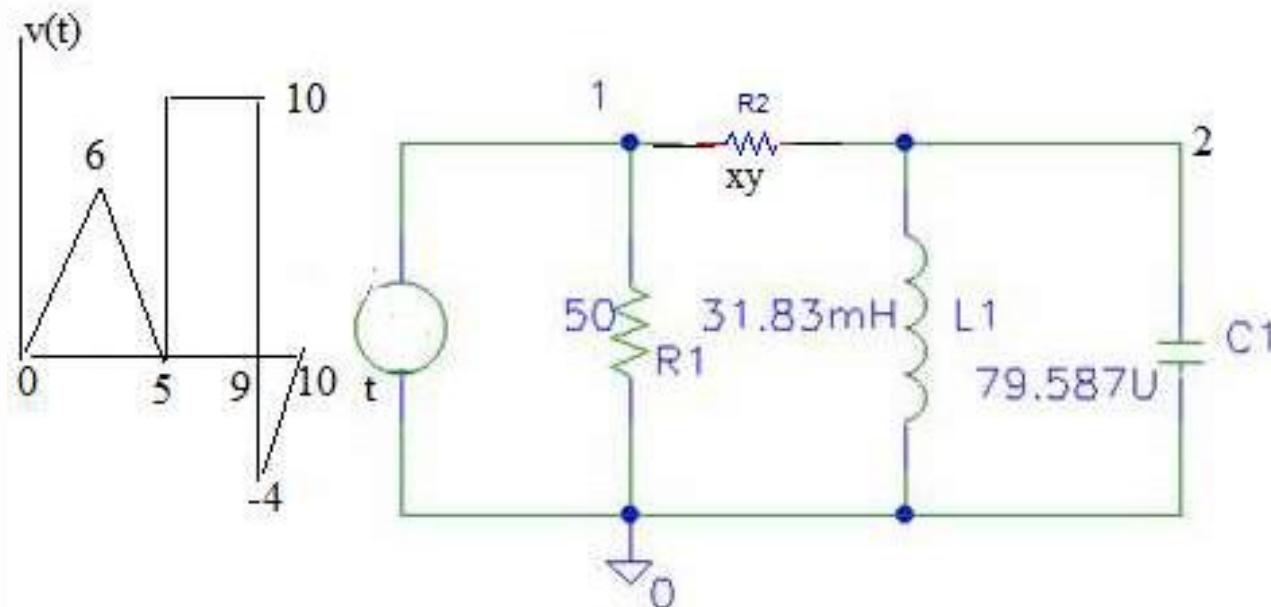
Practice-3.1:
# DC Power Supply

AC Input Voltage

DC Output Voltage
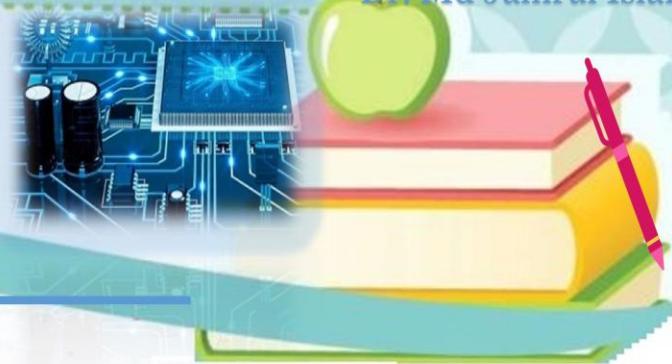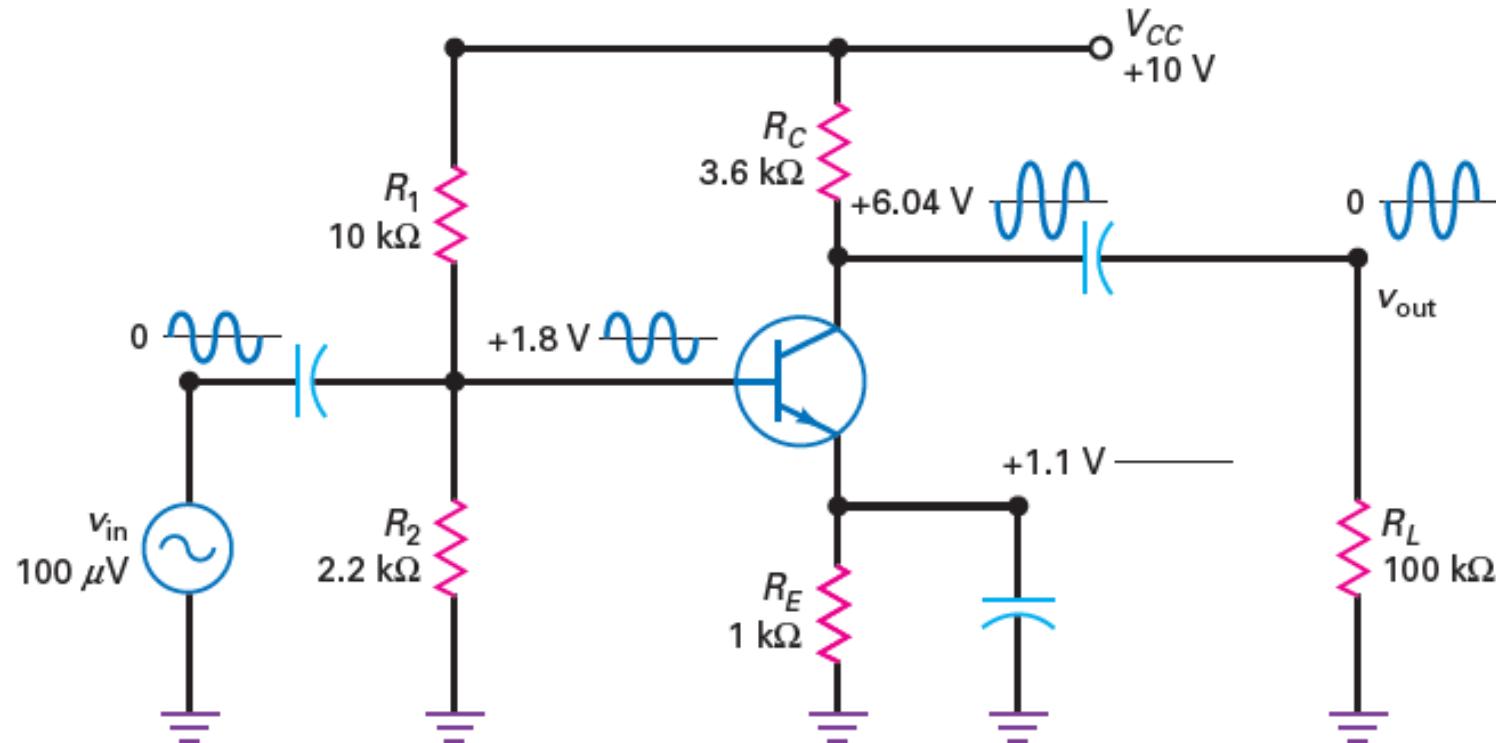
Practice-3.2:
User Defined Source

❑ For the parallel RLC circuit shown, plot the voltages at points 1 and 2 when the user-defined input as given is applied.

Practice-3.3:
CE VDB Amplifier Circuit

Practice-3.4:
OP-amp Amplifier Circuit