

## Electric Circuit Theory and Network Laboratory

Sl. No.	Title of the Experiments
01	Transient response of R-L and R-C network: <i>Simulation and Hardware</i>
02	Transient response of R-L-C series and parallel circuit: <i>Simulation and Hardware</i>
03	Determination of Impedance (Z) and Admittance (Y) parameter of two-port network: <i>Simulation</i>
04	Frequency response of LP and HP filters: <i>Simulation and Hardware</i>
05	Frequency response of BP and BR filters: <i>Simulation and Hardware</i>
06	Generation of Periodic, Exponential, Sinusoidal, Damped Sinusoidal, Step, Impulse, Ramp signal using MATLAB in both discrete and analog form.
07	Determination of Laplace transform and Inverse Laplace transform using MATLAB.
08	Amplitude and Phase spectrum analysis of different signals using MATLAB.
09	Verification of Network theorems: <i>Simulation and Hardware</i>