

SYLLABUS :-

SYLLABUS :-

1. Experimental verification of Maximum Power Transfer Theorem and Reciprocity Theorem
  2. Transient response and frequency response of series R-L-C circuit.
    - (i) Determination of  $Z$ ,  $Y$ , and  $ABCD$  parameters of linear two port network
    - (ii) Determination the driving point impedance of one port network by frequency response method
  3. Study of active low pass and high pass filters : measurement of frequency response  $\hat{a}$  attenuation and phase characteristics of Butterworth and Sallen Key filters
  4. Characteristics of a closed loop amplifier : closed loop gain of the amplifier with feedback
  5. Study of non-linear circuit : rectifier diode and zener diode circuits in series parallel combination
- Determination of Fourier series coefficients of a periodic signal