

Department: Electronics and Communication Engineering

BEC353- NETWORK ANALYSIS AND SYNTHESIS LAB

LIST OF EXPERIMENT

SUGGESTIVE LIST OF EXPERIMENTS

1. Verification of Kirchhoff's laws.
2. Verification of Superposition theorem.
3. Verification of Thevenin's Theorem and Maximum power transfer theorem.
4. Verification of Tallegen's theorem.
5. Measurement of power and power factor in a single phase AC series inductive circuit and study improvement of power factor using capacitor.
6. Study of phenomenon of resonance in RLC series circuit and obtain resonant frequency.
7. Determination of parameters of AC single phase series RLC circuit.
8. To find poles and zeros of immittance function.
9. Design and find cut-off frequency of low pass and high pass filters.
10. Design and find the pass band frequencies of band pass filters.
11. Design and find the stop band frequencies of band reject filters.

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LIST OF EQUIPMENT

Subject Code of the Lab : BEC353

Name of the Lab : NETWORK ANALYSIS AND SYNTHESIS LAB

S. No.	Name of Equipment
1	POWER SUPPLY
2	FUNCTION GENERATORS
3	CATHODE RAY OSCILLOSCOPES (CROs)
4	TRAINER KITS