

DISCIPLINE: Electrical & Electronics Engg.	SEMESTER: 3 rd Semester	NAME OF THE TEACHING FACULTY: Ms. Majji lalitha/Sriya panda
SUBJECT: ECN Lab(PR1)	NO OF DAYS/PER WEEK CLASSES ALLOTTED: 3	SEMESTER FROM DATE: 14.07.2025 TO DATE: 15.11.2025 NO OF WEEKS: 15

Week	Class Day	PRACTICAL Topics
1st	1st	Verification of- · Superposition theorem. · Thevenin's theorem. · Norton's theorem. · Maximum power transfer theorem.
	2nd	-----DO-----
2nd	1st	Use voltmeter, ammeter to determine current through the given branch of an electric network by applying mesh analysis
	2nd	-----DO-----
3rd	1st	Use voltmeter, ammeter to determine current through the given branch of a electricnetwork by applying node analysis.
	2nd	-----DO-----
4 th	1 ST	Observe an AC wave form on CRO and calculate its average & RMS values, frequency, time period.
	2 ND	-----DO-----
5 th	1 ST	Analysis of charging & discharging of RC circuit with CRO (calculation of time constant, rise time etc.).
	2 ND	-----DO-----
6th	1 ST	Design of series resonance circuit with a particular cut of frequency and to plot frequency response
	2 ND	-----DO-----
7th	1 ST	Design of parallel resonance circuit with a particular cut of frequency and to plot frequency response
	2 ND	-----DO-----
8 th	1 ST	Designing (considering cut-off frequency) Low pass filter and to plot frequency response.
	2 ND	-----DO-----
9 th	1 ST	Designing of (considering cut-off frequency) High pass filter to plot frequency response
	2 ND	-----DO-----
10 th	1 ST	Simulate the above circuits using circuit simulation software.
	2 ND	-----DO-----
11 th	1 ST	Repeat class
	2 ND	Repeat class
12th	1 ST	Repeat class
	2 ND	Repeat class
13 th	1st	Repeat class
	2 nd	Repeat class
14th	1 ST	Repeat Class
	2 ND	Repeat Class
15th	1st	Repeat Class
	2nd	Repeat Class

signature of PTGF
M. Lalitha
10/09/25

Signature
10.09.25
HOD / EEE

