LESSON PLAN

Discipline: Elect. Engg.	**Semester:** Fourth (4th)	**Name of the Lab I/C:** Er. R. Kar
Subject: Simulation Practice on MATLAB	**No. of days/week class allotted:** Three (3)	**Semester from Date:** 14.02.23 **to Date:** 23.05.23 **No. of Weeks:** 15
WEEK	**CLASS DAY**	**PRACTICAL EXPERIMENTS**
1st	1st	To learn algebraic, trigonometric, exponential manipulation relational and logic operator using variables and arrays.
	2nd	
	3rd	
2nd	1st	
	2nd	
	3rd	Review Class
3rd	1st	To learn 2X2 and 3X3 Matrix formation and find out its Inverse.
	2nd	
	3rd	Review Class
4th	1st	To learn how to write a program for plotting a circle, impulse, step, ramp, sine & cosine function ,ramp, sine & cosine function.
	2nd	
	3rd	Review Class
5th	1st	To learn how to use different blocks in simu-link library for drawing various electrical and power electronics circuit and plot their corresponding output waveforms.
	2nd	
	3rd	Review Class
6th	1st	Verification of the Thevenin's theorem using MATLAB Simulink.
	2nd	
	3rd	Review Class

7th	1st	Verification of Norton's theorem using MATLAB Simulink.
	2nd	
	3rd	
8th	1st	
	2nd	
	3rd	Review Class
9th	1st	Verification of Superposition theorem using MATLAB Simulink.
	2nd	
	3rd	Review Class
10th	1st	To simulate1-phase half wave un-controlled rectifier.
	2nd	
	3rd	Review Class
11th	1st	To simulate1-phase full bridge-controlled rectifier.
	2nd	
	3rd	Review Class
12th	1st	To simulate step down chopper.
	2nd	
	3rd	
13th	1st	
	2nd	
	3rd	Review Class
14th	1st	Revision
	2nd	
	3rd	
15th	1st	Revision
	2nd	
	3rd	