DISCIPLINE: Electrical & Electronics Engg.	SEMESTER: 6TH Semester	NAME OF THE TEACHING FACULTY: Majji lalitha/sriya panda
SUBJECT: MAT LAB& PS Lab(PR3)	NO OF DAYS/PER WEEK CLASSES ALLOTTED:3	SEMESTER FROM DATE: 22.12.2025 TO 18.04.2026 NO OF WEEKS:15

Week	Day/Period	PRACTICAL Topics
1st	1st	Write a program to subtract two 16 bit numbers
	2nd	----------do----------
	3rd	----------do----------
2nd	1st	Write a program to multiply two 16 bit numbers
	2nd	----------do----------
	3rd	----------do----------
3rd	1st	Write a program to generate a three phase fixed pwm using event manager
	2nd	----------do----------
	3rd	----------do----------
4th	1ST	Write a program to generate a Fixed Sine PWM
	2ND	----------do----------
	3rd	----------do----------
5th	1ST	To generate discrete sine and cosine signals with given samplingfrequency.
	2ND	----------do----------
	3rd	----------do----------
6th	1ST	To represent complex exponential as a function of real and imaginarypart
	2ND	----------do----------
	3rd	----------do----------
7th	1ST	To determine impulse and step response of two vectors usingMATLAB.
	2ND	----------do----------
	3rd	----------do----------
8th	1ST	To perform cross correlation between two vectors using MATLAB.
	2ND	----------do----------
	3rd	----------do----------
9th	1ST	To compute DFT and IDFT of a given sequence using MATLAB
	2ND	----------do----------
	3rd	----------do----------
10th	1ST	To perform linear convolution of two sequence using DFT usingMATLAB.
	2ND	----------do----------
	3rd	----------do----------
11th	1ST	To determine rational z-transform from the given poles and zeros usingMATLAB
	2ND	----------do----------
	3rd	----------do----------
12th	1ST	To determine partial fraction expansion of rational z-transform usingMATLAB
	2ND	----------do----------
	3rd	----------do----------
13th	1st	To design a Type 1 Chebyshev IIR highpass filter using MATLAB
	2nd	----------do----------

	3rd	----------do----------
14th	1ST	To design an IIR Elliptic low pass filter using MATLAB.
	2ND	----------do----------
	3rd	----------do----------
15th	1st	To design an IIR Butterworth bandpass filter using MATLAB
	2nd	----------do----------
	3rd	----------do----------

Lecturer
22.12.25

HOD 22.12.25

Principal