UTKAL GOURAV MADHUSUDAN INSTITUTE OF TECHNOLOGY, RAYAGADA
Academic Lesson Plan for summer semester- 2023

Name of the teaching faculty : **Sarita Bauri**   Discipline / Dept.: **EE**
Semester:4ᵗʰ   Subject(PRATICAL): **Simulation on MATLAB**
 No. of periods per week: **3**   Total Period :45
End Semester Examination-50   Sessional : 25
Total Mark-75

Week	Period	UNIT/CHAPTER	TOPIC TO BE COVERED
1ˢᵀ	1ˢᵗ	INTRODUCTION TO MATLAB PROGRAMMING	Functions and operation using variables and arrays. 1.1.1. To learn algebraic, trigonometric and exponential manipulation.
	2ⁿᵈ		
	3ʳᵈ		
2ⁿᵈ	1ˢᵗ		To learn Arithmetic, Relational and Logic operator
	2ⁿᵈ		
	3ʳᵈ		
3ᴿᴰ	1ˢᵗ		Matrix formation and its manipulation
	2ⁿᵈ		
	3ʳᵈ		
4ᵀᴴ	1ˢᵗ		Vector manipulation: 1.3.1. Use of linspace to create vectors
	2ⁿᵈ		
	3ʳᵈ		
5ᵀᴴ	1ˢᵗ		. To create, add and multiply vectors
	2ⁿᵈ		
	3ʳᵈ		
6ᵀᴴ	1ˢᵗ		Plotting: 1.4.1. Two dimensional Plots and sub plots
	2ⁿᵈ		
	3ʳᵈ		
7ᵀᴴ	1ˢᵗ		Write and execute a file to plot a circle, impulse, step, ramp, sine and cosine functions. .
	2ⁿᵈ		
	3ʳᵈ		
8ᵀᴴ	1ˢᵗ	EXPERIMENT8	Use of Commonly used blocks, Math operation block and Display block from SIMULINK library.
	2ⁿᵈ		
	3ʳᵈ		