Discipline Electrical	Semester: 4th Group-1, Sec-A	Name of the Teaching Faculty: - Ananya Subhadarsinee&Sigma Ray
Subject: - Matlab	No of Days/per Week Class Allotted: 3p/week	Semester From: 10th March 2022 to 10th June 2022
Week	Class Day	Practical Topics
1st	15/03/2022	1. Introduction to MATLAB programming: 1.1. Functions and operation using variables and arrays
2nd	22/03/2022	1.1.1. To learn algebraic, trigonometric and exponential manipulation 1.1.2. To learn Arithmetic, Relational and Logic operator. 1.2. Matrix formation and its manipulation.
3rd	29/03/2022	1.3. Vector manipulation: 1.3.1. Use of linspace to create vectors. 1.3.2. To create, add and multiply vectors. 1.3.3. Use of sin and sqrt functions with vector arguments.1
4th	5/04/2022	4 TH SEMESTER ELECTRICAL 21 1.4. Plotting: 1.4.1. Two dimensional Plots and sub plots 1.4.2. Label the plot and printing.
5th	12/04/2022	4 TH SEMESTER ELECTRICAL 21 1.4. Plotting: 1.4.1. Two dimensional Plots and sub plots 1.4.2. Label the plot and printing.
6th	19/04/2022	Holiday
7th	26/04/2022	1.5. Write and execute a file to plot a circle, impulse, step, ramp, sine and cosine functions.
	03/05/2022	2. Introduction to SIMULINK: 2.1. Use of Commonly used blocks, Math operation block and Display block from SIMULINK library.
8th	10/05/2022	Holiday
9th	17/05/2022	2. Introduction to SIMULINK: 2.1. Use of Commonly used blocks, Math operation block and Display block from SIMULINK library. 2.2. Use of logical and relational operator block.

10th	24/05/2022	2.3. Use of Sim-Power system block to use Electrical sources, elements and Power electronics devices.
11th	31/05/2022	2.3. Use of Sim-Power system block to use Electrical sources, elements and Power electronics devices.
12th	07/06/2022	2.4. SIMULATION: 2.4.1. Verification of Network theorems.
13th	Extra Class	2.4. SIMULATION: 2.4.1. Verification of Network theorems.
14th	Extra Class	2.4.2. Simulation of a half wave uncontrolled rectifier
15th	Extra Class	2.4.3. Simulation of 1-phase full bridge controlled rectifier.
16th	Extra Class	2.4.4. Simulation of step-down chopper.
17th	Extra Class	2.4.4. Simulation of step-down chopper.

Signature of Faculty

Discipline Electrical	Semester: 4th Group-2, Sec-A	Name of the Teaching Faculty: - Ananya Subhadarsinee&Sigma Ray
Subject: - Matlab	No of Days/per Week Class Allotted: 3p/week	Semester From: 10th March 2022 to 10th June 2022
Week	Class Day	Practical Topics
1st	11/03/2022	1. Introduction to MATLAB programming: 1.1. Functions and operation using variables and arrays 1.1.1. To learn algebraic, trigonometric and exponential manipulation 1.1.2. To learn Arithmetic, Relational and Logic operator. 1.2. Matrix formation and its manipulation.
2nd	18/03/2022	Holiday
3rd	25/03/2022	1.3. Vector manipulation: 1.3.1. Use of linspace to create vectors. 1.3.2. To create, add and multiply vectors. 1.3.3. Use of sin and sqrt functions with vector arguments.3
4th	1/04/2022	Holiday
5th	8/04/2022	4 TH SEMESTER ELECTRICAL 21 1.4. Plotting: 1.4.1. Two dimensional Plots and sub plots 1.4.2. Label the plot and printing.
6th	15/04/2022	Holiday
7th	22/04/2022	1.5. Write and execute a file to plot a circle, impulse, step, ramp, sine and cosine functions.
8th	29/04/2022	2. Introduction to SIMULINK: 2.1. Use of Commonly used blocks, Math operation block and Display block from SIMULINK library.
9th	6/05/2022	2. Introduction to SIMULINK: 2.1. Use of Commonly used blocks, Math operation block and Display block from SIMULINK library. 2.2. Use of logical and relational operator block.
10th	13/05/2022	2.3. Use of Sim-Power system block to use Electrical sources, elements and Power electronics devices.
11th	20/05/2022	2.3. Use of Sim-Power system block to use Electrical sources, elements and Power electronics devices.

12th	27/05/2022	2.4. SIMULATION: 2.4.1. Verification of Network theorems.
13th	03/06/2022	2.4. SIMULATION: 2.4.1. Verification of Network theorems.
14th	10/06/2022	2.4.2. Simulation of a half wave uncontrolled rectifier
15th	Extra Class	2.4.3. Simulation of 1-phase full bridge controlled rectifier.
16th	Extra Class	2.4.4. Simulation of step-down chopper.
17th	Extra Class	2.4.4. Simulation of step-down chopper.
18th	Extra Class	2.4.4. Simulation of step-down chopper.

Signature of Faculty