IARE

IARE
INSTITUTE OF AERONAUTICAL ENGINEERING
(An Autonomous Institute affiliated to JNTUH, Hyderabad)
Dundigal, Hyderabad - 500 043

LABORATORY WORK SHEET

Name of the Student : Abdul Basith Khan

Class : 1st Year (CSM-A) Semester : I st

Roll Number									
2	3	9	5	1	A	6	6	0	1

Course Code : AEE001 Course Name : EEE Laboratory

Name of the Course Faculty : Dr. L Rajashekhar Goud Faculty ID : IARE11067

Exercise Number : 14 Week Number : 14 Date : 22/01/2024

DAY TO DAY EVALUATION:

Marks	Aim / Preparation	Algorithm / Procedure / Performance in the Lab	Source Code / Calculations and Graphs	Program Execution / Results and Error Analysis	Viva - Voce	Total
Max. Marks	4	4	4	4	4	20
Obtained	4	4	4	3	4	19

Signature of Faculty

START WRITING FROM HERE : Outcome Based Education (OBE):-

Course Overview :-

This course services as a foundation course on electrical engineering, it convert a bond range of fundamental electrical circuit and devices. The concepts of current, voltage, power, basic circuit elements, electrical and electronic devices and their application in more complex electrical systems are to be imported to the students.

ROLL NUMBER :

Course Objectives:-

The Students will try to learn:-

I. The basic laws for different circuit

II. The elementary experiment and modeling skills for hand problems with electrical machines in the industries and dometic application to excel in professional carrer.

III. The intuitive knowledge needed to test and analize the performance reading to design of electric machines by conducting various tests ands calculate the performance parameters.

IV. The semiconductor devices like diode and transistor.

Course Outcomes:-

At the end of the course students should be able to:

CO1:- Solve an electric circuit by providing laws and solving theorems.

CO2:- Analyze the performance Characteristics of DC Shunt machine at various leading Conditions.

CO3:- Examine the performance of inductor motors by conducting a suitable test.

ROLL NUMBER :

CO4:- Acquire basic knowledge on the working of diodes to plot their characteristics.

CO5:- Identify transistor configuration and their working to deduce its working.

CO6:- Use of the two port parameter to be measured easily, without solving for all the internal voltages and currents in different networks.