

Department of Applied Sciences

Assignment -2

Total marks-10

Branch: CSE/IOT/ME

Subject & Subject code: BEEE (25C1ECU-101)

Semester: Ist

Date on which assignment is given: 10-10-2025

Date of submission of assignment: 17-10-2025

Course Outcomes:

CO1	apply the fundamental principles of theorems/laws to analyse the DC circuits.
CO2	analyse the single phase and three phase AC circuits.
CO3	interpret magnetic circuits and their role in transformers and identify key LT switchgear components.
CO4	identify the components and characteristics of diode, BJT and sensors.

Bloom's Taxonomy Levels

L1 – Remembering, L2 – Understanding, L3 – Applying, L4 – Analyzing, L5 – Evaluating, L6 - Creating

Assignment related to COs	Marks	Relevance to CO No.	Blooms Levels
Q1. Why smart sensors are preferred in industrial automation?	2	CO4	L1
Q2. What are the properties of an ideal fuse?	2	CO3	L1
Q3. Explain types of batteries and its characteristics.	3	CO3	L5
Q4. Analyze the principle behind motion sensors and examine how a gyroscope function as a motion sensing device.	3	CO4	L4