



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

CIVIL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Mr. G VISWANATH	Department:	Civil Engineering
Regulation:	IARE - BT23	Batch:	2023-2027
Course Name:	Electrical and Electronics Engineering Laboratory	Course Code:	AEED03
Semester:	I	Target Value:	70% (2.1)

Attainment of COs:

Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1 Demonstrate an electric circuit by proving laws and solving theorems	1.20	0.00	1.2	Not Attained
CO2 Identify the performance characteristics of DC shunt motor by suitable test.	1.20	0.00	1.2	Not Attained
CO3 Discuss the performance of induction generator to study magnetizing characteristics.	1.20	0.00	1.2	Not Attained
CO4 Acquire basic knowledge on the working of diodes and rectifiers to study their characteristics.	1.20	0.00	1.2	Not Attained
CO5 Identify transistor configuration to deduce its working characteristics.	1.20	0.00	1.2	Not Attained
CO6 Use of half wave and full wave rectifiers to study the characteristics.	1.20	0.00	1.2	Not Attained

Action Taken Report: (To be filled by the concerned faculty / course coordinator)

CO1: Guided students in solving circuit theorems both theoretically and practically to validate electrical principles.

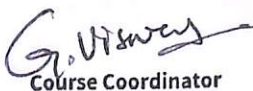
CO2: Guided students in measuring parameters such as speed, torque, efficiency, and voltage regulation to analyze motor behavior.

CO3: Conducted experimental analysis on the performance of an induction generator, focusing on its operation under different load conditions.


CO4: Performed rectifier circuit experiments (half-wave, full-wave, and bridge rectifiers) to observe rectification efficiency and ripple factor.

CO5: Conducted practical experiments on common emitter, common base, and common collector configurations to analyze transistor behavior.

CO6: Provided comparative analysis of rectifier circuits, emphasizing the advantages of full-wave rectification over half-wave rectification.


Course Coordinator


Mentor


Head of the Department
Civil Engineering
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