



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

MECHANICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. MULE LAXMIDEVI RAMANAIAH	Department:	Mechanical Engineering
Regulation:	IARE - R20	Batch:	2021-2025
Course Name:	Basic Electrical Engineering	Course Code:	AEEC01
Semester:	II	Target Value:	60% (1.8)

Attainment of COs:

	Course Outcome	Direct attainment	Indirect attainment	Overall attainment	Observation
CO1	Solve complex electrical circuits by applying network reduction techniques for reducing into a simplified circuit.	1.60	2.40	1.8	Attained
CO2	Define basic nomenclature of single phase AC circuits for obtaining impedance, admittance of series and parallel circuits.	0.60	2.40	1	Not Attained
CO3	Make use of various network theorems and graph theory for simplifying complex electrical networks.	0.90	2.40	1.2	Not Attained
CO4	Demonstrate the construction, principle and working of DC machines for their performance analysis.	1.60	2.40	1.8	Attained
CO5	Illustrate working, construction and obtain the equivalent circuit of single phase transformers.	0.90	2.30	1.2	Not Attained
CO6	Explore electromagnetic laws used for the construction and operation of synchronous and asynchronous machines.	0.60	2.40	1	Not Attained

Action Taken:

CO2: More tutorials to be conducted on calculating the impedance and the admittance of series and parallel circuits.


CO3: More assignments are to be given on applying network theorems and graph theory for simplifying complex electrical networks.

CO5: More tutorials to be conducted on obtaining the equivalent circuit of single-phase transformers.

CO6: More tutorials can be given construction and operation of synchronous and asynchronous machines.

Course Coordinator

Mentor


Head of the Department
Head of the Department
Mechanical Engineering
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