



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad -500 043

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ATTAINMENT OF COURSE OUTCOMES (COs) – ACTION PLAN

Name of the Faculty	Ms. T Saritha Kumari	Department	CSE
Regulations	UG20	Batch	2020-2024
Course Name	Basic Electrical Engineering	Course Code	AEEC01
Semester	I	Target Value	70% (2.1 on 3 Scale)

Attainment of COs:

Course Outcomes	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1 Solve complex electrical circuits by applying network reduction techniques for reducing into a simplified circuit.	3	2.2	2.8	Target attained
CO2 Define basic nomenclature of single-phase AC circuits for obtaining impedance, admittance of series and parallel circuits.	0.9	2.1	1.1	Target not attained
CO3 Make use of various network theorems and graph theory for simplifying complex electrical networks.	2.3	2.1	2.3	Target attained
CO4 Demonstrate the construction, principle and working of DC machines for their performance analysis.	3	2.2	2.8	Target attained
CO5 Illustrate working, construction and obtain the equivalent circuit of single-phase transformers.	2.3	2.2	2.3	Target attained
CO6 Explore electromagnetic laws used for the construction and operation of synchronous and asynchronous machines.	1.6	2.1	1.7	Target not attained

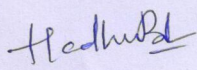
Action taken report:

CO2: More emphasis to be given on AC circuits during tutorial session so that student can understand how to obtain impedance of series and parallel circuits.

CO6: Guest lecture from industry on applications of electromagnetic laws need to be organized which enable students to understand construction and operation of synchronous and asynchronous machines.


Course Coordinator


Mentor


HOD
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