



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)
Dundigal, Hyderabad -500 043

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)

ATTAINMENT OF COURSE OUTCOMES (COS) – ACTION PLAN

Name of the Faculty	Mr.A.Naresh Kumar	Department	CSE(DS)
Regulations	UG20	Batch	2021-2025
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	2.3	2.9	Target Attained
CO2	Define basic nomenclature of single phase AC circuits for obtaining impedance, admittance of series and parallel circuits.	0.9	2.2	1.2	Target Not Attained
CO3	Make use of various network theorems and graph theory for simplifying complex electrical networks.	1.6	2.2	1.7	Target Not Attained
CO4	Demonstrate the construction, principle and working of DC machines for their performance analysis..	1.6	2.2	1.7	Target Not Attained
CO5	Illustrate working, construction and obtain the equivalent circuit of single phase transformers.	0.9	2.2	1.2	Target Not Attained
CO6	Explore electromagnetic laws used for the construction and operation of synchronous and asynchronous machines.	1.3	2.2	1.5	Target Not Attained

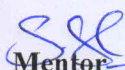
Action taken report:

CO2: Concentrate more problems on single phase AC circuits in tutorial classes

CO3 Organize workshops on network theorems and graph theory for simplifying complex electrical networks.

CO5&CO6: Need to arrange discussions with the experts on applications of dual nature of matter so that student able to analyze related systems


Course Coordinator


Mentor


HOD

Head of the Department
Data Science
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