



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

ELECTRICAL AND ELECTRONICS ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Mr. A SRIKANTH	Department:	Electrical and Electronics Engineering
Regulation:	IARE - R20	Batch:	2020-2024
Course Name:	Electrical Circuits	Course Code:	AEEC02
Semester:	II	Target Value:	60% (1.8)

Attainment of COs:

Course Outcome	Direct attainment	Indirect attainment	Overall attainment	Observation
CO1 Identify the basic concepts of electrical quantities such as current, voltage, power, energy of simple DC circuits used in electrical and electronic devices.	3.00	2.10	2.8	Attained
CO2 Define basic terminology of single-phase AC circuits for obtaining mean value, RMS value, form factor, peak factor, impedance, admittance, apparent, real power, reactive power and power factor of electrical circuits.	0.90	2.10	1.1	Not Attained
CO3 Apply the different laws, series parallel combination of RLC circuits and indirect quantities associated with electrical circuit for determine voltage and currents in resistive circuits containing voltage and current sources.	0.90	2.10	1.1	Not Attained
CO4 Apply the several theorems for simplify complex network into equivalent network and verify the current, voltage and power in linear bilateral network with the help of DC and AC excitation.	0.90	2.20	1.2	Not Attained
CO5 Describe the basic fundamental of Electromagnetism, Faraday's laws of Electromagnetic induction, Lenz's law, types of induced emf, self and mutual inductance for notice the total magnetomotive force and ampere turns values.	0.30	2.20	0.7	Not Attained
CO6 Understand the two port parameters, network topology and dual network for digital and graphical representation of complex circuits to be measure easily, without solving for all the internal voltages and currents in the different networks.	0.60	2.10	0.9	Not Attained

Action taken report:

CO2:

Provide assignments to understand mesh and node concepts

CO3:

Need to provide more problems for better understanding of network topology and definitions.

CO4:

: Deliver lectures and give more problems on series and parallel circuits

CO5:

Need to provide more problems on series and parallel magnetic circuits

CO6:

Need to deliver lectures and give more problems network theorems


Course Coordinator

Mentor


Head of the Department

Head of the Department
Electrical and Electronics Engineering
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