INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)
Dundigal, Hyderabad - 500 043

ELECTRONICS AND COMMUNICATION ENGINEERING

ATTAINMENT OF COURSE OUTCOME- ACTION TAKEN REPORT

Name of the Faculty:	**Dr. M Pala Prasad Reddy**	Department:	**ECE**
Regulation:	**UG20**	Batch:	**2021-2025**
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	Observations
CO1	Identify the basic concepts of electrical quantities such as current, voltage, power, energy of simple DC circuits used in electrical and electronic devices.	0.9	2.4	1.2	Not Attained
CO2	Define basic terminology of single-phase AC circuits for obtaining mean value, RMS value, form facto, peak facto, impedance, admittance, apparent, real power, reactive power and power factor of electrical circuits.	1.3	2.4	1.5	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.	1.6	2.3	1.7	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.	1.6	2.3	1.7	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.	0.9	2.4	1.2	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.	0.9	2.3	1.2	Not Attained

Action Taken Report: (To be filled by the concerned faculty / course coordinator)
CO1: Conducting Guest lectures on the basic concepts of electrical quantities such as current, voltage, power, energy for more practice.
CO2: Additional inputs will be provided on single-phase AC circuits for obtaining mean value, RMS value to improve students' performance
CO3: Additional inputs will be provided on series parallel combination of RLC circuits for more practice.
CO4: Additional inputs will be provided on linear bilateral network for improving students performance
CO5: Giving assignments and conducting tutorials on two port parameters, network topology and dual network for digital and graphical representation
CO6: Giving assignments and conducting tutorials on the two port parameters, network topology and dual network for digital and graphical representation of complex circuits for more practice.

P. Reddy
Course Coordinator

Mentor

HOD

Dr. P. MUNASWAMY M.Tech, Ph.D, MISTE
Professor & Head
ELECTRONICS AND COMMUNICATION ENGINEERING
INSTITUTE OF AERONAUTICAL ENGINEERING
Dundigal, Hyderabad- 500 043, T.S.