INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

ELECTRONICS AND COMMUNICATION ENGINEERING

ATTAINMENT OF COURSE OUTCOME- ACTION TAKEN REPORT

Name of the Faculty:	K.Lingaswamy	Department:	ECE
Regulation:	IARE-R16	Branch:	2016-2020
Course Name:	Electrical Circuits	Course Code:	AEE002
Semester:	II	Target Value:	60% (1.8)

Attainment of Cos:

	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observations
CO1	Explain the basic elements, basic laws and the sources used for analysis of electrical circuits.	0.90	2.50	1.2	Not attained
CO2	Determine the unknown elements and quantities by using mesh, nodal and transformation techniques in network.	0.00	2.50	0.5	Not attained
CO3	Apply the principles of network topology for simplifying the electrical circuits.	1.40	2.50	1.6	Not attained
CO4	Analyze the basic series and parallel R, L and C elements for sinusoidal excitation.	0.90	2.50	1.2	Not attained
CO5	Apply faradays laws and dot convention for analyze the series and parallel magnetic circuits.	1.60	2.50	1.8	Attained
CO6	Make use of an appropriate network theorem for solving the DC and AC excitation.	0.90	2.50	1.2	Not attained

Action Taken Report: (To be filled by the concerned faculty / course coordinator)

In this Course, the CO1, CO2, CO3, and CO4 requires additional attention and it is improved by

1. Conducting Guest lectures on single phase AC circuits and steady state analysis of RL and RC (in Series, Parallel and Series Parallel Combinations) with Sinusoidal Excitation.

2. Additional inputs will be provided on Mesh analysis, Nodal analysis and Network topology.

3. Giving assignments and conducting tutorials on analysis R, L, C Parameters and voltage current relationship for passive elements.

4. Conducting Guest lectures on circuit concept and Kirchhoff's laws.

Course Coordinator

Mentor

HOD