INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

ELECTRICAL AND ELECTRONICS ENGINEERING

ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of the faculty:	**Dr. D Shobha Rani**	Department:	**EEE**
Regulation:	**IARE - R16**	Batch:	**2016 - 2020**
Course Name:	**Network Analysis**	Course Code:	**AEE005**
Semester:	**III**	Target Value:	**60% (1.8)**

Attainment of COs:

	Course Outcome	Direct attainment	Indirect attainment	Overall attainment	Observation
CO1	Understand the relation between line and phase quantities of three phase star and delta connected systems to analyze balanced and unbalanced circuits.	1.6	2.4	1.8	Attainment target reached
CO2	Demonstrate the operation of wattmeter to measure the three-phase active and reactive power in three phase systems	1.6	2.4	1.8	Attainment target reached
CO3	Understand the concept of initial conditions of RLC elements to determine the transient response of first and second order electric circuits using differential equation approach and Laplace transform technique.	0.9	2.4	1.2	Attainment target is not yet reached.
CO4	Illustrate the locus diagram for series and parallel circuits and describe the network functions in time domain and frequency domain approach	0.9	2.4	1.2	Attainment target is not yet reached.
CO5	Solve the various two port network parameters and determine their inter relationships, outline the concepts of interconnections of two port networks	2.3	2.4	2.3	Attainment target reached
CO6	Develop the various types of active filters and understand their characteristics, execute digital simulation using MATLAB.	0.9	2.4	1.2	Attainment target is not yet reached.

Action taken report:

CO 3: Need to provide more problems and assignments on transient response, and also additional digital resources which enables the students to gain more problem-solving skills.
CO 4: Conduct experiment on the locus diagram for series and parallel circuits for RL and RC.
CO 6: Deliver more lectures and practical exposure on different filters

Dr. Shobha Rani

Course Coordinator

Mentor

HOD

Head of the Department
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