



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

INFORMATION TECHNOLOGY

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	LEKHA CHANDRAN	Department:	Information Technology
Regulation:	IARE - R18	Batch:	2018-2022
Course Name:	Fundamental of Electrical Engineering	Course Code:	AEEB01
Semester:	I	Target Value:	60% (1.8)

Attainment of COs:

	Course Outcome	Direct attainment	Indirect attainment	Overall attainment	Observation
CO1	Know the fundamental concepts of electric circuits for computing voltage and current relationship of passive elements.	0.00	2.40	0.5	Not Attained
CO2	Solve complex electrical circuits by applying network reduction techniques for reducing into a simplified circuit.	2.30	2.50	2.3	Attained
CO3	Make use of various network theorems for simplifying complex electrical networks.	2.30	2.40	2.3	Attained
CO4	Define basic nomenclature of single phase AC circuits for obtaining impedance, admittance of series and parallel circuits.	0.60	2.50	1	Not Attained
CO5	Interpret the power factor in single phase circuits with various combination of network elements for computing active and reactive power.	0.30	2.40	0.7	Not Attained
CO6	Explain formation of incident, cut-set and tie set matrices using which characteristics of electrical circuits can be studied.	0.90	0.00	0.7	Not Attained


Action Taken:

CO1: Need to conduct guest lectures on fundamental concepts of electric circuits for computing voltage and current relationship of passive elements.


CO4: Need to solve more problems on nomenclature of single phase AC circuits for obtaining impedance, admittance of series and parallel circuits.

CO5: Need to conduct more lectures on the concepts of power factor in single phase circuits with various combination of network elements.

CO6: Need to give more examples on formation of incident, cut-set and tie set matrices using which characteristics of electrical circuits.


Course Coordinator


Mentor


Head of the Department