



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)  
Dundigal, Hyderabad - 500 043

## ELECTRONICS AND COMMUNICATION ENGINEERING ATTAINMENT OF COURSE OUTCOME- ACTION TAKEN REPORT

Name of the Faculty:	Mr. K Lingaswamy	Department:	ECE
Regulation:	UG20	Branch:	2020-2024
Course Name:	Electrical circuits	Course Code:	AEEEC02
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.	3	2.2	2.8	Attainment target is reached
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.	1.6	2.2	1.7	Attainment target is not yet reached
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	2.2	1.7	Attainment target is not yet reached
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.	0.9	2.2	1.2	Attainment target is not yet reached
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.	1.6	2.1	1.7	Attainment target is not yet reached
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.	2.3	2.2	2.3	Attainment target is reached

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

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

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

  
Course Coordinator

  
Mentor

  
HOD  
Head of the Department  
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