



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

MECHANICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Mr. N Shiva Prasad	Department:	ME
Regulation:	IARE - R16	Batch:	2017 - 2021
Course Name:	Basic Electrical and Electronics Engineering	Course Code:	AEE018
Semester:	III	Target Value:	60% (1.8)

Attainment of COs:

Course Outcome		Direct attainment	Indirect attainment	Overall attainment	Observation
CO1	Solve complex electrical circuits by applying network reduction techniques for reducing into a simplified circuit.	0.30	2.60	0.8	Attainment target not reached
CO2	Differentiate the working of moving iron and moving coil type instruments for computing electrical quantities using suitable instrument.	1.00	2.50	1.3	Attainment target not reached
CO3	Demonstrate the construction, principle and working of DC machines for their performance analysis.	2.40	2.50	2.4	Attainment target reached
CO4	Illustrate alternating quantities of sinusoidal waveform and working, construction of single phase transformers, induction motors, alternators for analysis of AC waveforms and AC machines.	1.70	2.50	1.9	Attainment target reached
CO5	Apply the PN junction characteristics for the diode applications such as switch and rectifier's	0.00	2.10	0.4	Attainment target not reached
CO6	Extend the biasing techniques for bipolar and uni-polar transistor amplifier circuits considering stability condition for establishing a proper operating point.	0.70	2.10	1	Attainment target not reached

Action taken report:

CO1: More assignment may be given on complex electrical circuits by applying network reduction techniques.


CO2: More examples may be given on working of moving iron and moving coil type instruments for computing electrical quantities using suitable instrument

CO5: More applications may be given on PN junction characteristics.

CO6: More tutorials may be conducted on biasing techniques for bipolar and uni-polar transistor amplifier circuits.


Course Coordinator


Mentor


Head of the Department
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