



# 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:	2016 - 2020
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.	2.00	2.00	2	Attainment target reached
CO2 Differentiate the working of moving iron and moving coil type instruments for computing electrical quantities using suitable instrument.	2.00	2.00	2	Attainment target reached
CO3 Demonstrate the construction, principle and working of DC machines for their performance analysis.	0.00	2.50	0.5	Attainment target not 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.	0.90	2.50	1.2	Attainment target not reached
CO5 Apply the PN junction characteristics for the diode applications such as switch and rectifier.	1.60	2.50	1.8	Attainment target reached
CO6 Extend the biasing techniques for bipolar and uni-polar transistor amplifier circuits considering stability condition for establishing a proper operating point.	2.00	2.40	2.1	Attainment target reached

### Action taken report:

CO3: More applications may be given on DC machines for their performance analysis.

CO4: More assignments may be given on single phase transformers, induction motors, alternators for analysis of AC waveforms and AC machines.

Course Coordinator

Mentor

Head of the Department  
Mechanical Engineering  
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