



**INSTITUTE OF AERONAUTICAL ENGINEERING**  
(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

## MECHANICAL ENGINEERING

### ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Ms. B MANOGNA	Department:	Mechanical Engineering
Regulation:	IARE - R18	Batch:	2019-2023
Course Name:	Basic Electrical and Electronics Engineering	Course Code:	AEEB04
Semester:	II	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.	1.30	2.60	1.6	Not Attained
CO2	Differentiate the working of moving iron and moving coil type instruments for computing electrical quantities using suitable instrument.	2.70	2.60	2.7	Attained
CO3	Demonstrate the construction, principle and working of DC machines for their performance analysis.	0.70	2.60	1.1	Not Attained
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	2.60	1.9	Attained
CO5	Apply the PN junction characteristics for the diode applications such as switch and rectifier.	0.30	2.50	0.7	Not Attained
CO6	Extend the biasing techniques for bipolar and uni-polar transistor amplifier circuits considering stability condition for establishing a proper operating point.	1.00	2.60	1.3	Not Attained

#### Action Taken:

- CO1: More assignments may be given on complex electrical circuits by applying network reduction techniques.  
CO3: More applications may be given on DC machines for their performance analysis  
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

Head of the Department  
Mechanical Engineering  
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