



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

CIVIL ENGINEERING

ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

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|----------------------|--|---------------|-------------|
| Name of the faculty: | Ms. T.Saritha Kumari | Department: | CE |
| 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. | 1.00 | 2.30 | 1.3 | Attainment target not reached |
| CO2 | Differentiate the working of moving iron and moving coil type instruments for computing electrical quantities using suitable instrument. | 0.60 | 2.40 | 0.9 | Attainment target not reached |
| CO3 | Demonstrate the construction, principle and working of DC machines for their performance analysis. | 0.30 | 2.40 | 0.7 | 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. | 0.00 | 2.40 | 0.5 | Attainment target not reached |
| CO5 | Apply the PN junction characteristics for the diode applications such as switch and rectifier. | 0.60 | 0.00 | 0.5 | 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. | 0.60 | 0.00 | 0.5 | Attainment target not reached |

Action taken report:

CO 1: Need to provide the more problems and assignments on electrical circuits by applying network reduction techniques which enables the students to gain more problem-solving skills.

CO 2: Need to provide the more problems and assignments on coil type instruments for computing electrical quantities which enables the students to gain more problem-solving skills.

CO 3: Need to provide the more problems and assignments on construction, principle and working of DC machines which enables the students to gain more problem-solving skills.


CO 4: Need to provide the more problems and assignments working, construction of single-phase transformers, induction motors, alternators which enables the students to gain more problem-solving skills.

CO 5: Need to provide the more problems and assignments on PN junction characteristics for the diode applications which enables the students to gain more problem-solving skills.

CO 6: Need to provide the more problems and assignments on bipolar and uni-polar transistor amplifier circuits which enables the students to gain more problem-solving skills.


Course Coordinator


Mentor


HOD
Head of the Department
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