



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

INFORMATION TECHNOLOGY

ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

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| Name of the faculty: | K. Linga Swamy | Department: | IT |
| Regulation: | IAE - R16 | Batch: | 2016 - 2020 |
| Course Name: | Fundamentals of Electrical and Electronics Engineering | Course Code: | AEE001 |
| Semester: | II-Semester | 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. | 0.9 | 2.1 | 1.1 | Attainment target is not yet reached |
| CO2 | Make use of various network theorems and graph theory for simplifying complex electrical networks. | 0.9 | 2.0 | 1.1 | Attainment target is not yet reached |
| CO3 | Define basic nomenclature of single phase AC circuits for obtaining impedance, admittance of series and parallel circuits. | 0.6 | 2.0 | 0.9 | Not Attainment target is not yet reached |
| CO4 | Interpret the power factor in single phase circuits with various combination of network elements for computing active and reactive power. | 0.9 | 2.0 | 1.1 | Attainment target is not yet reached |
| CO5 | Apply the PN junction characteristics for the diode applications such as switch and rectifier. | 0.9 | 2.0 | 1.1 | Attainment target is not yet reached |
| CO6 | Extend the biasing techniques for bipolar and uni-polar transistor amplifier circuits considering stability condition for establishing a proper operating point. | 0.9 | 2.0 | 1.1 | Attainment target is not yet reached |

Action taken report: (To be filled by the concerned faculty / course coordinator)

CO 1: Need to solve more problems on complex electrical circuits by applying network reduction techniques.
CO 2: Delivering more lectures on network theorems and graph theory.
CO 3: Delivering more lectures on basic nomenclature of single phase AC circuits.
CO 4: Need to conduct guest lectures on power factor in single phase circuits with various combination of network elements.
CO 5: Delivering more lectures on PN junction.
CO 6: Need to conduct guest lectures on biasing techniques for bipolar and uni-polar transistor amplifier circuits.



Course Coordinator



Mentor



HOD