



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

ELECTRICAL AND ELECTRONICS ENGINEERING

ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

| | | | |
|----------------------|-----------------------|---------------|-------------|
| Name of the faculty: | Mr. T. Ravi Babu | Department: | EEE |
| Regulation: | IARE - R16 | Batch: | 2016 - 2020 |
| Course Name: | Power System Analysis | Course Code: | AEE012 |
| Semester: | VI | Target Value: | 60% (1.8) |

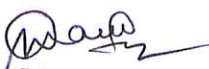
Attainment of COs:

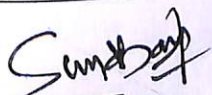
| Course Outcome | Direct attainment | Indirect attainment | Overall attainment | Observation |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------|--------------------|---------------------------------------|
| CO1 Build the mathematical models and matrices of interconnected power system network for analyzing power flows and fault conditions | 0.3 | 2.6 | 0.8 | Attainment target is not yet reached. |
| CO2 Develop a network's power flow problem and solve it using multiple iterative strategies in obtaining optimal solution | 1.6 | 2.6 | 1.8 | Attained |
| CO3 Experiment with power system fault analysis for balanced and unbalanced faults in order to determine fault levels and protective device ratings, as well as to grasp the ideas of per-unit system. | 0.9 | 2.6 | 1.2 | Attainment target is not yet reached. |
| CO4 Classify the different types of stability, including the elements that influence the steady state stability limitations and how to improve it | 1.6 | 2.6 | 1.8 | Attained |
| CO5 Demonstrate the different numerical integration and graphical approaches to understand the transient stability and the factors affecting as well as the methods of enhancing it | 2.3 | 2.5 | 2.3 | Attained |

Action taken report:

CO 1: More problems on z bus and y bus formation shall be practiced during tutorial classes.
CO 3: Provide more assignments to practice on per unit system, sequence networks, Unsymmetrical faults


Course Coordinator


Mentor


HOD EEE
Head of the Department
Electrical and Electronics Engineering
INSTITUTE OF AERONAUTICAL ENGINEERING
Dundigal, Hyderabad - 500 043