

**ELECTRICAL AND ELECTRONICS ENGINEERING**
ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Mr. P MABUHUSSAIN	Department:	Electrical and Electronics Engineering
Regulation:	IARE - R18	Batch:	2019-2023
Course Name:	Power System Analysis	Course Code:	AEEB22
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	2.30	2.30	2.3	Attained
CO2	Develop a network's power flow problem and solve it using multiple iterative strategies in obtaining optimal solution	0.90	2.30	1.2	Not 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.	0.90	2.30	1.2	Not Attained
CO4	Classify the different types of stability, including the elements that influence the steady state stability limitations and how to improve it	1.30	2.30	1.5	Not 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	1.30	2.30	1.5	Not Attained

Action Taken Report: (To be filled by the concerned faculty / course coordinator)

CO2: provide assignments on network's power flow problem and solve it using multiple iterative strategies in obtaining optimal solution

CO3: Solve problems based on 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.

CO4: Use digital resources for better understanding of different types of stability, including the elements that influence the steady state stability limitations and how to improve it.

CO5: Use digital resources for better understanding of different numerical integration and graphical approaches to understand the transient stability


Course Coordinator


Mentor


Head of the Department