



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

## ELECTRICAL POWER SYSTEMS

### ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. M PALA PRASAD REDDY	Department:	Electrical Power Systems
Regulation:	IARE - R18	Batch:	2019-2021
Course Name:	MODERN POWER SYSTEM ANALYSIS	Course Code:	BPSB01
Semester:	I	Target Value:	60% (1.8)

#### Attainment of COs:

	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Utilize the representation of basic components and single line diagram of power system for understanding the restructuring of system	1.40	2.50	1.6	Not Attained
CO2	Examine the optimal power flow solution using FACTS devices to solve power flow analysis problems using various methods.	3.00	2.70	2.9	Attained
CO3	Analyse the new bus voltages contingency by adding/removal of lines for illustrating the various techniques for contingency evaluation and analysis.	0.90	2.70	1.3	Not Attained
CO4	Evaluate the operating states and security monitoring of power systems to describe its contingency analysis.	0.00	2.70	0.5	Not Attained
CO5	Understand the importance of power flow analysis in planning and operation of power systems.	3.00	2.80	3	Attained
CO6	Apply the various algorithms for state estimation to estimate different components and states of power systems.	2.30	3.00	2.4	Attained

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

CO1: Use digital resources for better understanding of restructured system

CO3: Provide more assignments on contingency analysis

CO4: Solve more problems on contingency analysis

Course Coordinator

Mentor

Head of the Department

Head of the Department  
Electrical and Electronics Engineering  
INSTITUTE OF AERONAUTICAL ENGINEERING  
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