



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

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

Name of the faculty:	<i>MS M Vaya Lakshmi</i>	Department:	Electrical and Electronics Engineering
Regulation:	IARE - UG20	Batch:	2020-2024
Course Name:	Power System Operation and Control	Course Code:	AEEC35
Semester:	VII	Target Value:	0% (0)

### Attainment of COs:

Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1 Solve the optimum load scheduling with various constraints in Thermal and Hydro power Stations using conventional optimization techniques and general transmission line loss formula	0.90	2.10	1.1	Attained
CO2 Develop the mathematical models of the mechanical and electrical components in the power generation for deriving the transfer function of the power system	0.90	2.10	1.1	Attained
CO3 Distinguish single area and two area load frequency control for minimizing the transient and steady state deviations using various controllers	0.60	2.10	0.9	Attained
CO4 Choose different types of compensating equipment for controlling voltage, reactive power and power factor for improving the reliability in compensated and uncompensated transmission lines	0.90	2.10	1.1	Attained
CO5 Interpret the types of loads in the power systems from their characteristic factors	0.60	2.10	0.9	Attained

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

*Assignments given*

  
Course Coordinator

  
Mentor

  
Head of the Department