



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

## ELECTRICAL POWER SYSTEMS

### ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT


Name of the faculty:	Dr. V CHANDRA JAGAN MOHAN	Department:	Electrical Power Systems
Regulation:	IARE - R18	Batch:	2019-2021
Course Name:	ECONOMIC OPERATION OF POWER SYSTEMS	Course Code:	BPSB02
Semester:	I	Target Value:	60% (1.8)

#### Attainment of COs:

	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Compute the cost of generation, economic dispatch of power among thermal units using incremental cost curves and coordinate equation using iteration method	3.00	2.50	2.9	Attained
CO2	Solve the unit Commitment problem with various constraints using conventional optimization techniques and general transmission line loss formula	3.00	2.70	2.9	Attained
CO3	Illustrate the Optimal scheduling of Thermal and Hydro power stations for ideal economic operation of power systems	3.00	2.80	3	Attained
CO5	Analyse the importance of Reactive power control and Power Factor in power systems for efficient and reliable operation of power systems.	3.00	2.80	3	Attained
CO4	Categorize single area load frequency control and two area load frequency control to minimize the transient deviations and steady state error to zero	3.00	2.90	3	Attained
CO6	Understand the problem of optimal power flow in power system elements	0.90	2.90	1.3	Not Attained

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

CO6: ELRV classes

  
Course Coordinator

  
Mentor

  
Head of the Department

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