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:	**2020-2022**
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	2.40	2.30	2.4	Attained
CO2	Solve the unit Commitment problem with various constraints using conventional optimization techniques and general transmission line loss formula	2.30	2.40	2.3	Attained
CO3	Illustrate the Optimal scheduling of Thermal and Hydro power stations for ideal economic operation of power systems	0.70	2.50	1.1	Not Attained
CO5	Analyse the importance of Reactive power control and Power Factor in power systems for efficient and reliable operation of power systems.	2.30	2.50	2.3	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	1.60	2.30	1.7	Not Attained
CO6	Understand the problem of optimal power flow in power system elements	0.00	2.30	0.5	Not Attained

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

CO3: Provide more problems on Optimal scheduling of Thermal and Hydro power stations

CO4: Provide more problems for single area load frequency control and two area load frequency control

CO6: Provide more problems on optimal power flow in power system

Course Coordinator **Mentor** **Head of the Department**

Head of the Department
Electrical and Electronics Engineering
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