


INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

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

Name of the faculty:	Mr. A SATHISH KUMAR	Department:	Electrical and Electronics Engineering
Regulation:	IARE - R18	Batch:	2019-2023
Course Name:	Power System Operation and Control	Course Code:	AEEB28
Semester:	VII	Target Value:	60% (1.8)

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.	1.00	2.20	1.2	Not 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.	1.00	2.20	1.2	Not Attained
CO3	Distinguish single area and two area load frequency control for minimizing the transient and steady state deviations using various controllers.	0.90	2.20	1.2	Not 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	2.20	1.2	Not Attained
CO5	Interpret the types of loads in the power systems from their characteristic factors.	1.60	2.20	1.7	Not Attained

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

CO1: More classes needed

CO2: Students are encouraged to register NPTEL

CO3: More problems should be added

CO4: Tutorial classes should be planned

CO5: More practical examples should be added

Sathish
Course Coordinator

Mentor
Mentor

V. K. M.
Head of the Department