



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:	2018-2022
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.	1.60	2.40	1.8	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	2.40	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.	0.60	2.40	1	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	2.40	1.2	Not Attained
CO5 Interpret the types of loads in the power systems from their characteristic factors.	0.60	2.40	1	Not Attained

Action taken report:

CO2:

More assignments should be arranged

CO3:

more tutorial classes should be planned

CO4:

students are encouraged to enroll in MOOC classes

CO5:

More practical classes are planned



Course Coordinator



Mentor



Head of the Department
Head of the Department
Electrical and Electronics Engineering
INSTITUTE OF AERONAUTICAL ENGINEERING
Dundigal, Hyderabad - 500 043