



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

## ELECTRICAL POWER SYSTEMS

### ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Mr. P SHIVA KUMAR	Department:	Electrical Power Systems
Regulation:	IARE - R18	Batch:	2019-2021
Course Name:	REACTIVE POWER COMPENSATION AND MANAGEMENT	Course Code:	BPSB07
Semester:	I	Target Value:	60% (1.8)

#### Attainment of COs:

	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Discuss the objectives and specifications of reactive compensation for designing the compensating equipment.	3.00	2.40	2.9	Attained
CO2	Analyze the power factor correction and phase balancing techniques used in load compensation.	3.00	2.60	2.9	Attained
CO3	Describe the characteristics of an uncompensated line and a compensated line which are used for evaluating the performance of lines.	3.00	2.60	2.9	Attained
CO4	Select the proper compensating equipment among passive and dynamic compensators used in achieving the steady state and transient state reactive power compensation	3.00	2.80	3	Attained
CO5	Examine the mathematical modelling, operation planning and transmission benefits in reactive power coordination.	3.00	2.90	3	Attained
CO6	Discuss the effects of under voltages, frequency, harmonics, radio frequency and electromagnetic interferences to give the quality power supply to the consumers.	3.00	2.90	3	Attained

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

  
Course Coordinator

  
Mentor

  
Head of the Department

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