INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

ELECTRICAL AND ELECTRONICS ENGINEERING

ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of the faculty:	**Mr. T. Ravi Babu**	Department:	**EEE**
Regulation:	**IARE - R16**	Batch:	**2017 - 2021**
Course Name:	**Flexible Alternating Current Transmission System**	Course Code:	**AEE524**
Semester:	**VIII**	Target Value:	**60% (1.8)**

Attainment of COs:

	Course Outcome	Direct attainment	Indirect attainment	Overall attainment	Observation
CO1	Understand the basic control of power flow and necessityof FACTS devices in power transmission network for stable operation.	1.6	2.3	1.7	Attainment target is not yet reached.
CO2	Choose a Static VAR Compensator for regulating thevoltage thereby limiting the power oscillations in transmission systems transient stability analysis	0.6	2.3	0.9	Attainment target is not yet reached.
CO3	Model the Thyristor Controlled Series Capacitor (TCSC),Gate Controlled Series Capacitor (GCSC) for load flow and stability studies.	0.9	2.3	1.2	Attainment target is not yet reached.
CO4	Examine the various types of voltage sources converter-based FACTS controllers for load flow and transmissionstability analysis	1.6	2.3	1.7	Attainment target is not yet reached.
CO5	Develop the coordinating schemes with the multipleFACTS controllers for reactive power compensation.	0.9	2.3	1.2	Attainment target is not yet reached.

Action taken report: (To be filled by the concerned faculty / course coordinator)

CO 1: Need to conduct more classes on power flow control in transmission line
CO 2: Provide more assignments to practice on static VAR compensators and their applications
CO 3: Deliver more lectures and numerical problems on Series compensator
CO 4: Take extra classes and tutorials on voltage source converter-based facts controllers.
CO 5: Conduct seminars on FACTS controller interaction of SVC interaction and quantitative treatment of control coordination.

Course Coordinator

Mentor

HOD EEE

Head of the Department
Electrical and Electronics Engineering
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