



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

ELECTRICAL AND ELECTRONICS ENGINEERING

ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

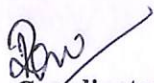
Name of the faculty:	Mr. T. Ravi Babu	Department:	EEE
Regulation:	IARE - R16	Batch:	2017 - 2021
Course Name:	Flexible Alternating Current Transmission System	Course Code:	AAE524
Semester:	VIII	Target Value:	60% (1.8)

Attainment of COs:

Course Outcome		Direct attainment	Indirect attainment	Overall attainment	Observation
CO1	Understand the basic control of power flow and necessity of 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 the voltage 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 source converter-based FACTS controllers for load flow and transmission stability analysis	1.6	2.3	1.7	Attainment target is not yet reached.
CO5	Develop the coordinating schemes with the multiple FACTS 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
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