



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

ELECTRICAL AND ELECTRONICS ENGINEERING

ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of the faculty:	K Devender Reddy	Department:	EEE
Regulation:	IARE - R16	Batch:	2016 - 2020
Course Name:	AC Machines	Course Code:	AEE007
Semester:	IV	Target Value:	60% (1.8)

Attainment of COs:

Course Outcome	Direct attainment	Indirect attainment	Overall attainment	Observation
CO1 Demonstrate various winding factors, spatially displaced armature windings to generate electro motive force in AC machines.	0.9	2.4	1.2	Attainment target is not yet reached
CO2 Illustrate electromagnetic laws used for the construction and operation of synchronous and asynchronous machines.	2.3	2.4	2.3	Attainment target reached
CO3 Identify various control strategies for calculating the performance parameters and voltage regulation of AC machines.	1.6	2.4	1.8	Attainment target reached.
CO4 Demonstrate the parallel operation of alternators for load sharing under various loading conditions.	0.9	2.3	1.2	Attainment target is not yet reached
CO5 Examine the behavior of synchronous motor with variable excitation and loadings for calculating armature current, power and power factor	0.9	2.3	1.2	Attainment target is not yet reached

Action taken report:

CO 1: Need to provide e-content for better understanding of winding factors.
CO 4: Take tutorial classes and practice more problems on parallel operation of alternators.
CO 5: Provide assignments on synchronous motor, and also additional digital resources which enables the students to gain more problem-solving skills

Course Coordinator

Mentor

Head of the Department
Electrical and Electronics Engineering
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