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. K LINGASWAMY**	Department:	**Electrical and Electronics Engineering**
Regulation:	**IARE - R20**	Batch:	**2021-2025**
Course Name:	**AC Machines**	Course Code:	**AEEC11**
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	2.30	2.40	2.3	Attained
CO2	Illustrate electromagnetic laws used for the construction and operation of synchronous and asynchronous machines	0.90	2.40	1.2	Not Attained
CO3	Identify various control strategies for calculating the performance parameters and voltage regulation of AC machines	0.90	2.40	1.2	Not Attained
CO4	Demonstrate the parallel operation of alternators for load sharing under various loading conditions	0.90	2.40	1.2	Not Attained
CO5	Examine the behavior of synchronous motor with variable excitation and loadings for calculating armature current, power and power factor	0.90	2.40	1.2	Not Attained

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

CO2: conduct the more classes on synchronous and asynchronous machines

CO3: conduct the more problems and methods on

- Synchronous impedance or emf method.
- Armature turn or mmf method.
- Zero PF or Potier method.

CO4: Solve the more problems on parallel operation

CO5: conduct the more classes on synchronous motor with variable excitation

Course Coordinator **Mentor** **Head of the Department**