



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. P Shiva kumar	Department:	EEE
Regulation:	IARE - R16	Batch:	2016 - 2020
Course Name:	Solid state electric motor drive	Course Code:	AEE013
Semester:	VI	Target Value:	60% (1.8)

Attainment of COs:

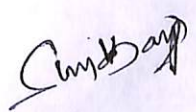
Course Outcome	Direct attainment	Indirect attainment	Overall attainment	Observation
CO1 Illustrate the speed control of DC motors with single phase and three phase-controlled rectifiers for verification of speed torque characteristics.	0.9	2.4	1.2	Attainment target is not yet reached.
CO2 Explain the four-quadrant chopper fed dc motor drives for verification of speed torque characteristics.	0.9	2.4	1.2	Attainment target is not yet reached.
CO3 Describe the working of stator voltage control of induction motor drive for speed control of the drive.	0.9	2.3	1.2	Attainment target is not yet reached.
CO4 Identify the variable frequency control methods for induction motor drive applications.	0.9	2.4	1.2	Attainment target is not yet reached.
CO5 Summarize the slip power recovery schemes, direct and indirect vector control methods for speed control of induction motors.	2.3	2.4	2.3	Attainment target reached.
CO6 Demonstrate the working of voltage source and current source inverter fed synchronous motor drive for speed control applications.	0.9	2.4	1.2	Attainment target is not yet reached.

Action taken report:

CO 1: Need to provide more assignments on three phase rectifier circuits
CO2: Extra classes will conduct on four quadrant chopper drives
CO3: Tutorial classes will conduct on stator voltage control methods of induction motors
CO4: Need to provide more assignments on indirect vector control methods of induction motors.
CO6: Need to conduct seminars on voltage source and current source inverter fed synchronous motor drive


Course Coordinator


Mentor


Head of the Department HOD
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