



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. S. Srikanth	Department:	EEE
Regulation:	IARE - R16	Batch:	2017 - 2021
Course Name:	Power Electronics and Simulation Laboratory	Course Code:	AEE108
Semester:	V	Target Value:	60% (1.8)

Attainment of COs:

Course Outcome		Overall attainment	Observation
CO1	Experiment the operation of SCR, MOSFET and IGBT for obtaining static voltage current characteristics	1.6	Attainment target is not yet reached.
CO2	Utilize the forced commutation circuits and gate firing circuits for turning off and on of the SCR	1.6	Attainment target is not yet reached.
CO3	Analyze the input and output waveforms of controlled rectifier circuits for determining the output voltages	1.6	Attainment target is not yet reached.
CO4	Construct the various inverter circuits for direct current to alternating current conversion	1.6	Attainment target is not yet reached.
CO5	Determine the performance characteristics of ac to ac converters for getting variable output voltage using hard ware and modern tools	1.6	Attainment target is not yet reached.
CO6	Develop the chopper circuits for measuring output voltage and current	1.6	Attainment target is not yet reached.

Action taken report:

- CO 1: Need to conduct experiment on power electronics devices such as SCR, MOSFET and IGBT.
CO 2: Do more practice on forced commutation circuits and gate firing circuits of SCR.
CO 3: Deliver more lectures and practical exposure on controlled rectifiers
CO 4: Conduct test on different inverter circuits
CO 5: Increase the practical exposure on AC voltage regulators and cycloconverters
CO 6: Develop dc- dc converter circuits using MATLAB


Course Coordinator


Mentor


HOD EEE

Head of the Department
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