



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:	2016 - 2020
Course Name:	Power Electronics	Course Code:	AEE010
Semester:	V	Target Value:	60% (1.8)

Attainment of COs:

Course Outcome		Direct attainment	Indirect attainment	Overall attainment	Observation
CO1	Explain the static and dynamic characteristics of power semiconductor devices used for power conversion in converter circuits.	2.7	2.1	2.6	Attained
CO2	Summarize the various firing circuits and commutation techniques useful for minimizing switching losses of SCRs.	1	2.1	1.2	Not Attained
CO3	Analyze the performance parameters of ac-dc converters under various loading conditions.	0.3	2.0	0.6	Not Attained
CO4	Identify the switching techniques and control strategies in switched mode regulators and perform steady state analysis in chopper circuit.	0.6	2.0	0.9	Not Attained
CO5	Demonstrate single phase ac voltage controllers and cycloconverter used for converting fixed ac supply into variable ac output.	2	2.0	2	Attained
CO6	Apply modulation and switching topologies in inverters for output voltage control	.6	2.0	0.9	Not Attained

Action taken report:

CO 2: Need to deliver lectures using ICT tools

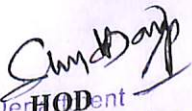
CO 3: Provide more real time applications to get understand the performance of ac-dc converters

CO 4: Conduct guest lecturers on switching techniques and control strategies in switched mode regulators, converters and modulation techniques

CO 6: Conduct tutorial classes on modulation topologies of inverter


Course Coordinator


Mentor


Head of the Department
Electrical and Electronics Engineering
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