



ELECTRICAL AND ELECTRONICS ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. GATLA RANJITH KUMAR	Department:	Electrical and Electronics Engineering
Regulation:	IARE - R20	Batch:	2020-2024
Course Name:	Power Electronics	Course Code:	AEEEC16
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.	2.40	2.30	2.4	Attained
CO2	Summarize the various firing circuits and commutation techniques useful for accurate switching function of the SCR.	1.30	2.40	1.5	Not Attained
CO3	Analyze the performance parameters of ac-dc converters under various loading conditions.	1.60	2.30	1.7	Not Attained
CO4	Identify the switching techniques and control strategies in switched mode regulators and perform steady state analysis in the chopper circuit.	0.90	2.30	1.2	Not Attained
CO5	Demonstrate single phase ac voltage controllers and cyclo converter used for converting fixed ac supply into variable ac output	1.60	2.40	1.8	Attained
CO6	Apply modulation and switching topologies in inverters for output voltage control.	1.60	2.30	1.7	Not Attained

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

CO2: Take more classes on firing circuits and various commutation techniques for SCR

CO3: Provide more Real-time applications for ac-dc converters

CO4: Students are encouraged to do MOOC courses

CO6: Conduct expert lectures on modulation techniques for inverters


Course Coordinator


Mentor


Head of the Department