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. S SRIKANTH**	Department:	**Electrical and Electronics Engineering**
Regulation:	**IARE - R18**	Batch:	**2018-2022**
Course Name:	**Power Electronics**	Course Code:	**AEEB20**
Semester:	**V**	Target Value:	**60% (1.8)**

Attainment of COs:

	Course Outcome	Direct attaiment	Indirect attaiment	Overall attaiment	Observation
CO1	Explain the static and dynamic characteristics of power semiconductor devices used for power conversion in converter circuits.	3.00	2.50	2.9	Attained
CO2	Select series or parallel connection of SCRs to enhance power handling capacity in real time applications.	3.00	2.40	2.9	Attained
CO3	Summarize the various firing circuits and commutation techniques useful for minimizing switching losses of SCRs.	1.60	2.60	1.8	Attained
CO4	Demonstrate the working principle of thyristor based ac-dc converters and calculate the performance parameters under various load conditions.	0.90	2.60	1.2	Not Attained
CO5	Examine the effect of source inductance on the rectifier output while assessing the performance of converters.	2.30	2.60	2.4	Attained
CO6	Identify the switching techniques and control strategies of chopper circuit for regulating dc power and perform steady state analysis.	0.60	2.40	1	Not Attained

Action taken report:

CO4:
Expert lectures are planned

CO6:
students are encouraged to do mooc courses

Course Coordinator

Mentor

Head of the Department

Head of the Department
Electrical and Electronics Engineering
INSTITUTE OF AERONAUTICAL ENGINEERING
Dundigal, Hyderabad - 500 043