


**INSTITUTE OF AERONAUTICAL ENGINEERING**

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

**ELECTRICAL AND ELECTRONICS ENGINEERING**  
**ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT**

Name of the faculty:	<b>Mr. S SRIKANTH</b>	Department:	<b>Electrical and Electronics Engineering</b>
Regulation:	<b>IARE - R18</b>	Batch:	<b>2018-2022</b>
Course Name:	<b>Power Electronics</b>	Course Code:	<b>AEEB20</b>
Semester:	<b>V</b>	Target Value:	<b>60% (1.8)</b>

**Attainment of COs:**

	<b>Course Outcome</b>	<b>Direct attainment</b>	<b>Indirect attainment</b>	<b>Overall attainment</b>	<b>Observation</b>
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

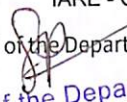
CO6:

students are encouraged to do mooc courses

  
Course Coordinator


  
Mentor

Head of the Department

  
Head of the Department  
Electrical and Electronics Engineering  
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Dundigal, Hyderabad - 500 043