


**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 in Renewable Energy Sources</b>	Course Code:	<b>AEEB45</b>
Semester:	<b>VI</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	Recall the environmental aspects and economic benefits of clean energy systems for production of electricity.	2.10	2.20	2.1	Attained
CO2	Outline the operating principles and characteristics of renewable energy sources for sustainable energy conversion	2.40	2.20	2.4	Attained
CO3	Summarize the renewable energy conversion systems for reliable operation.	2.40	2.20	2.4	Attained
CO4	Understand the power quality issues and mitigation techniques used in grid connected systems for ensuring the quality of power.	3.00	2.20	2.8	Attained
CO5	Choose the appropriate power converters and inverters for harmonic reduction in solar photovoltaic systems	2.30	2.20	2.3	Attained
CO6	Identify the reliable inverter, battery and array sizing for grid synchronization in renewable energy systems	2.00	2.10	2	Attained

Action taken report:

  
Course Coordinator

  
Mentor

  
Head of the Department  
Head of the Department  
Electrical and Electronics Engineering  
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