


**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>Dr. V CHANDRA JAGAN MOHAN</b>	Department:	<b>Electrical and Electronics Engineering</b>
Regulation:	<b>IARE - R18</b>	Batch:	<b>2019-2023</b>
Course Name:	<b>Wind and Solar Energy Systems</b>	Course Code:	<b>AEEB46</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	Recall the power conversions involved in windmills, photovoltaic systems for production of electricity	1.60	2.40	1.8	Attained
CO2	Summarize the control schemes, environmental aspects and classify the wind energy conversion systems for reliable operation	1.60	2.40	1.8	Attained
CO3	Demonstrate the functioning of various components involved in solar thermal systems for designing commercial solar power plants	1.60	2.40	1.8	Attained
CO4	Develop the suitable scheme for extracting maximum power from solar photovoltaic module using maximum power point tracking algorithms	1.60	2.40	1.8	Attained
CO5	Make use of AC voltage controllers for power factor improvement and harmonic reduction in isolated induction generators of wind energy conversion systems	0.90	2.40	1.2	Not Attained
CO6	Identify the power quality issues and mitigation techniques used in standalone and grid connected systems for ensuring the quality of power	0.90	2.40	1.2	Not Attained

**Action taken report:**

CO5:

Students are encouraged to watch ELRV videos

CO6:

Planned expert talks

  
Course Coordinator


  
Mentor


  
Head of the Department

Head of the Department  
 Electrical and Electronics Engineering  
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