



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

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

Name of the faculty:	Dr. V CHANDRA JAGAN MOHAN	Department:	Electrical and Electronics Engineering
Regulation:	IARE - R18	Batch:	2018-2022
Course Name:	Wind and Solar Energy Systems	Course Code:	AEEB46
Semester:	V	Target Value:	60% (1.8)

Attainment of COs:

	Course Outcome	Direct attainment	Indirect attainment	Overall attainment	Observation
CO1	Recall the power conversions involved in windmills, photovoltaic systems for production of electricity	0.90	2.70	1.3	Not Attained
CO2	Summarize the control schemes, environmental aspects and classify the wind energy conversion systems for reliable operation	3.00	2.60	2.9	Attained
CO3	Demonstrate the functioning of various components involved in solar thermal systems for designing commercial solar power plants	0.90	2.60	1.2	Not Attained
CO4	Develop the suitable scheme for extracting maximum power from solar photovoltaic module using maximum power point tracking algorithms	3.00	2.40	2.9	Attained
CO5	Make use of AC voltage controllers for power factor improvement and harmonic reduction in isolated induction generators of wind energy conversion systems	2.30	2.30	2.3	Attained
CO6	Identify the power quality issues and mitigation techniques used in standalone and grid connected systems for ensuring the quality of power	3.00	2.50	2.9	Attained

Action taken report:

CO1:

Expert lectures are planned

CO3:

Expert lectures are planned


Course Coordinator


Mentor



Head of the Department

Head of the Department
Electrical and Electronics Engineering
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