## 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 - UG20

Batch:

2020-2024

Course Name:

Course Code:

AEEC43

Wind and Solar Energy Systems

Semester:

VII

Target Value:

60% (1.8)

## Attainment of COs:

Course Outcome		Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Outline various components and their functionality in production of electricity from wind and solar power plants.	3.00	2.10	2.8	Attained
CO2	Outline the characteristics and classification of solar photovoltaic modules for design of solar arrays.	2.00	2.10	2	Attained
CO3	Demonstrate the functioning of various components involved in solar thermal systems for designing commercial solar power plants.	1.60	2.10	1.7	Not Attained
CO4	Develop the suitable scheme for extracting maximum power from solar photovoltaic module using maximum power point tracking algorithms.	3.00	2.10	2.8	Attained
CO5	Make use of AC voltage controllers for power factor improvement and harmonic reduction in isolated induction generators.	3.00	2.10	2.8	Attained
CO6	Outline the control and protection of renewable energy systems using custom power devices for stable operation of power systems.	1.60	2.10	1.7	Not Attained

Action Taken Report: (To be filled by the concerned faculty / course coordinator)

CO3: Online classes are taken to meet

CO6: Extra classes are taken

online