



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad-500043

## ELECTRICAL AND ELECTRONICS ENGINEERING

### ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Mr. A Sathish Kumar	Department:	CIVIL
Regulation:	IARE-R18	Batch:	2018 -2021
Course Name:	Non Conventional Energy Sources	Course Code:	AEEB56
Semester:	VIII	Target Value:	60% (1.8)

#### Attainment of COs:

Course Outcome		Direct attainment	Indirect attainment	Overall attainment	Observation
CO1	Understand the need of energy conversion and the various methods of energy storage.	2.30	2.30	2.3	Attained
CO2	Analyze the major parameters of sun movement, solar radiation and tracking systems for calculation of solar insolation.	0.90	2.30	1.2	Not Attained
CO3	Identify different concentrating collectors for conversion of solar energy into thermal energy..	0.90	2.30	1.2	Not Attained
CO4	Explain the concepts involved in wind energy conversion system using vertical and horizontal wind mills.	0	2.30	0.5	Not Attained
CO5	Illustrate the operational methods of ocean and tidal energy for electrical energy conversion	1.60	2.30	1.7	Not Attained
CO6	Utilize the mechanisms for direct energy conversion and geothermal energies into electricity.	0.60	2.30	0.9	Not Attained

#### Action taken report:

CO2: Use the real-time examples of solar tracking systems  
CO3: Students shall be motivated to carryout open-ended experiments to address the real time applications. These will help for better CO attainments in forthcoming semesters.  
CO4: Students shall be motivated to carryout open-ended experiments to address the real time applications. On wind mills  
CO5: Deliver more lecture and numerical problems on tidal energy  
CO6: Students shall be motivated to carryout open-ended experiments to address the real time applications. On geothermal energies into electricity

  
Course Coordinator

  
Mentor

  
HOD

