



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

## MECHANICAL ENGINEERING

### ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of the faculty:	<b>Mr. M. Praveen</b>	Department:	<b>ME</b>
Regulation:	<b>IARE - R16</b>	Batch:	<b>2016 - 2020</b>
Course Name:	<b>Engineering Chemistry</b>	Course Code:	<b>AHS005</b>
Semester:	<b>I</b>	Target Value:	<b>60% (1.8)</b>

#### Attainment of COs:

Course Outcome		Direct attainment	Indirect attainment	Overall attainment	Observation
CO1	Explain the operation of electrochemical systems for the production of electric energy, i.e. batteries	0.90	2.60	1.2	Attainment target not reached
CO2	Utilize electrochemical cell parameters, electrochemical active surface area, current and over potential under given condition for calculating the electromotive force and electrode potential.	0.90	2.60	1.2	Attainment target not reached
CO3	Illustrate the electrochemical theory of corrosion process in metals for protection of different metals from corrosion	0.60	2.60	1	Attainment target not reached
CO4	Identify the hardness of water by different treatment methods for finding the hardness causing salts in water	0.90	2.60	1.2	Attainment target not reached
CO5	Explain the importance of different types of materials for understanding their composition and applications.	1.60	2.60	1.8	Attainment target reached
CO6	Choose different types of solid, liquid and gaseous fuels in terms of calorific value for utilizing in industries and automobiles.	1.60	2.60	1.8	Attainment target reached

1.36

#### Action taken report:

CO1: More examples need to be given for the operation of electrochemical systems.


CO2: More assignments may be given for calculating the electromotive force and electrode potential.

CO3: Different applications may be given for corrosion process.

CO4: More problems to be solved for finding the hardness causing salts in water.

  
Course Coordinator

  
Mentor

  
HOD  
Head of the Department  
Mechanical Engineering  
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