INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

CIVIL ENGINEERING

ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of the faculty:	**Prof. N. Krishna Mohan**	Department:	**CE**
Regulation:	**IARE - R16**	Batch:	**2016 - 2020**
Course Name:	**Engineering Chemistry**	Course Code:	**AHS005**
Semester:	**I**	Target Value:	**60% (1.8)**

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	1.60	2.60	1.8	Attainment target 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.	1.60	2.60	1.8	Attainment target reached
CO3	Illustrate the electrochemical theory of corrosion process in metals for protection of different metals from corrosion	0.60	2.50	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.	1.30	2.60	1.6	Attainment target to reached
CO6	Choose different types of solid, liquid and gaseous fuels in terms of calorific value for utilizing in industries and automobiles.	2.00	2.60	2.1	Attainment target reached

Action taken report:

CO3: Provide more learning resources on electrochemical theory of corrosion process in metals. So that students will have clear idea about the topics.
CO4: Provide more learning resources on hardness of water by different treatment methods. So that students will have clear idea about the topics.
CO5: Provide more learning resources on different types of materials. So that students will have clear idea about the topics.

Course Coordinator

Mentor

HOD
Head of the Department
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