

**CIVIL ENGINEERING****ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT**

Name of the faculty:	Mr. G MAHESH KUMAR	Department:	Civil Engineering
Regulation:	IARE - R18	Batch:	2018-2022
Course Name:	Engineering Chemistry	Course Code:	AHSB03
Semester:	II	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.	0.00	2.70	0.5	Not Attained
CO2 Utilize electrochemical cell parameters, electrochemical active surface area, current and over potential under given condition for calculating the electromotive force and electrode potential.	1.70	2.70	1.9	Attained
CO3 Illustrate the chemical and electrochemical corrosion in metals by influencing the nature of environment.	0.00	2.70	0.5	Not Attained
CO4 Make use of the basic electrochemical knowledge of corrosion processes for protection of different metals from corrosion.	1.00	2.70	1.3	Not Attained
CO5 Identify the hardness of water for finding the hardness causing salts in water.	0.30	2.70	0.8	Not Attained
CO6 Demonstrate different treatment methods for producing soft water from saline or brackish sources.	0.60	2.70	1	Not Attained

Action taken report:**CO1:**

Additional inputs will be provided on the operation of the electrochemical principles, and corrosion process in metals for the protection of different metals from corrosion.

CO3:

Giving assignments and conducting tutorials on identifying the hardness of water by different treatment methods for finding the hardness causing salts in water.

CO4:

Provide more problems and assignments on the molecular orbital energy level diagrams of different molecules and theories of bonding for understanding the magnetic properties of coordination compounds.

CO5:

Need to provide more problems and assignments on different chemical reactions, and stereoisomers for finding the optically active compounds and synthesizing the drug molecules.

CO6:

Conducting guest lectures on green synthesis methods, and different types of solid, liquid, and gaseous fuels in terms of calorific value for utilization in industries and automobiles.

Course Coordinator

Mentor

Head of the Department
Head of the Department
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