



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad-500043

## INFORMATION TECHNOLOGY

### ATTAINMENT OF COURSE OUTCOME-ACTION TAKEN REPORT

Name of the faculty:	A. Praveen	Department:	IT
Regulation:	IARE-R16	Batch:	2016 -2020
Course Name:	Engineering Chemistry	Course Code:	AHS005
Semester:	I-Semester	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	0.9	2.5	1.2	Attainment target is not yet 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.	0.9	2.5	1.2	Attainment target is not yet reached
CO3	Illustrate the electrochemical theory of corrosion process in metals for protection of different metals from corrosion	0.9	2.5	1.2	Attainment target is not yet reached
CO4	Identify the hardness of water by different treatment methods for finding the hardness causing salts in water	0	2.5	0.5	Attainment target is not yet reached
CO5	Explain the importance of different types of materials for understanding their composition and applications.	0.9	2.5	1.2	Attainment target is not yet reached
CO6	Choose different types of solid, liquid and gaseous fuels in terms of calorific value for utilizing in industries and automobiles.	0.9	2.4	1.2	Attainment target is not yet reached

#### Action taken report: (To be filled by the concerned faculty/course coordinator):

- CO 1: Need to conduct guest lectures on operation of electrochemical systems.  
 CO 2: Delivering more lecture on electrochemical cell parameters.  
 CO 3: Need to conduct guest lectures on electrochemical theory of corrosion process and treatment methods for finding the hardness causing salts in water.  
 CO 4: Delivering more lecture on hardness of water by different treatment methods  
 CO 5: Delivering more lecture on importance of different types of materials for understanding their composition and applications.  
 CO 6: Need to conduct guest lectures on different types of solid, liquid and gaseous fuels.

*Praveen*  
Course Coordinator

*Anitha*  
Mentor

*D Shweta*  
HOD