



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)
Dundigal, Hyderabad - 500 043

ELECTRONICS AND COMMUNICATION ENGINEERING ATTAINMENT OF COURSE OUTCOME- ACTION TAKEN REPORT

Name of the Faculty:	Dr. MSNA Prasad	Department:	ECE
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	Observations
CO1	Explain the operation of electrochemical systems for the production of electric energy, i.e. batteries	1.60	2.30	1.7	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.	1.60	2.30	1.7	Not attained
CO3	Illustrate the electrochemical theory of corrosion process in metals for protection of different metals from corrosion	0.90	2.30	1.2	Not attained
CO4	Identify the hardness of water by different treatment methods for finding the hardness causing salts in water	0.90	2.30	1.2	Not attained
CO5	Explain the importance of different types of materials for understanding their composition and applications.	1.60	2.20	1.7	Not attained
CO6	Choose different types of solid, liquid and gaseous fuels in terms of calorific value for utilizing in industries and automobiles.	1.60	2.30	1.7	Not Attained

Action Taken Report: (To be filled by the concerned faculty / course coordinator)

In this Course, the CO1, CO2, CO3, CO4 and CO5 requires additional attention and it is improved by

1. Conducting Guest lectures on electrochemical systems for the production of electric energy.
2. Conducting Guest lectures on theories, types and control methods of Corrosion.
3. Additional inputs will be provided on the hardness of water by different treatment methods like ion-exchange resin method, reverse osmosis and lime softening.
4. Giving assignments and conducting tutorials on polymers, plastics, teflon and rubbers
5. Giving assignments and conducting tutorials on composition of portland cement and lubricants


Course Coordinator


Mentor


HOD

Head of the Department
Electronics and Communication Engineering
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