INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

ELECTRICAL AND ELECTRONICS ENGINEERING

ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of the faculty:	**Dr. MSNA Prasad**	Department:	**EEE**
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	1.6	2.1	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.	1.6	2.0	1.7	Not Attained
CO3	Illustrate the electrochemical theory of corrosion process in metals for protection of different metals from corrosion	0.6	1.8	0.8	Not Attained
CO4	Identify the hardness of water by different treatment methods for finding the hardness causing salts in water	1.6	1.8	1.6	Not Attained
CO5	Explain the importance of different types of materials for understanding their composition and applications.	1.3	2.0	1.4	Not Attained
CO6	Choose different types of solid, liquid and gaseous fuels in terms of calorific value for utilizing in industries and automobiles.	1.6	2.0	1.7	Not Attained

Action taken report:

CO 1: Need to give assignments on electrochemical systems
CO 2: Provide more assignments on types and control methods for the production of energy
CO 3: Need to focus on water treatment methods for hardness removal
CO 4: More focus on polymers, plastics, teflon
CO 5: Provide more assignments on composition of Portland cement and lubricants
CO 6: More focus on calorific value for utilizing in industries and automobiles

Course Coordinator **Mentor** **HOD**

Head of the Department
Electrical and Electronics Engineering
INSTITUTE OF AERONAUTICAL ENGINEERING
Dundigal, Hyderabad - 500 043