



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad -500 043

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)

## ATTAINMENT OF COURSE OUTCOMES (COS) – ACTION PLAN

Name of the Faculty	<b>Dr.VNSR Venkateswara Rao</b>	Department	<b>CSE(DS)</b>
Regulations	<b>UG20</b>	Batch	<b>2021-2025</b>
Course Name	<b>Chemistry</b>	Course Code:	<b>AHSC06</b>
Semester	<b>I</b>	Target Value	<b>70% (2.1 on 3 Scale)</b>

### Attainment of COs:

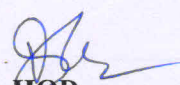
Course Outcomes		Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Explain the electrochemical principles, corrosion process in metals for protection of different metals from corrosion	2.3	2.4	2.3	Target Attained
CO2	Utilize electrochemical cell parameters, electrochemical active surface area, current and over potential under given condition for calculating the electromotive force and electrode potential.	0.9	2.4	1.2	Target Not Attained
CO3	Identify the hardness of water by different treatment methods for finding the hardness causing salts in water.	2.3	2.4	2.3	Target Attained
CO4	Compare different types of polymerization reactions, mechanism of lubrication for utilizing in industries.	3	2.4	2.9	Target Attained
CO5	Make use of green synthesis methods, different types of solid, liquid and gaseous fuels in terms of calorific value for utilizing in industries and automobiles.	3	2.4	2.9	Target Attained
CO6	Outline the different types of natural resources and their applicability for understanding the effect of pollutants on air, water and soil that cause the environmental pollution.	3	2.4	2.9	Target Attained

### Action taken report:

CO2: Providing tutorial periods on electrochemical cell parameters, electrochemical active surface area

  
Course Coordinator

  
Mentor

  
HOD  
Head of the Department  
Data Science  
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