



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

## CIVIL ENGINEERING

### ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. HANUMANPRASAD PANDIRI	Department:	Civil Engineering
Regulation:	IARE - BT23	Batch:	2023-2027
Course Name:	Engineering Chemistry	Course Code:	AHSD03
Semester:	II	Target Value:	60% (1.8)

#### Attainment of COs:


	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Implement the principles of electrochemical systems to control the corrosion in metals.	1.20	2.00	1.4	Not Attained
CO2	Analyze the basic properties of water for its usage in domestic and industrial purposes.	1.20	2.00	1.4	Not Attained
CO3	Use complexometry for calculation of hardness of water to avoid industrial problems.	3.00	2.00	2.8	Attained
CO4	Extend the applications of polymers based on their degradability and properties.	3.00	2.00	2.8	Attained
CO5	Choose the appropriate fuel based on their calorific value for energy efficient processes.	2.40	2.00	2.3	Attained
CO6	Predict the knowledge on viability of advanced materials for technological improvements in various sectors.	0.80	2.00	1	Not Attained

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

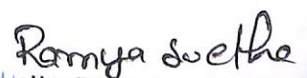
CO1: Providing study materials on electrochemical corrosion mechanisms followed by problem-solving assignments on cathodic protection and anodic inhibition in industrial applications.

CO2: Conducting Lab experiments on water quality testing like pH, hardness, turbidity, and dissolved solids for domestic and industrial applications.

CO6: Giving research-based assignments on advanced material applications and assessing the viability and performance of materials in various industrial sectors.

  
Course Coordinator

  
Mentor

  
Head of the Department  
Civil Engineering  
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