



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

## MECHANICAL ENGINEERING

### ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Mr. B RAJU	Department:	Mechanical Engineering
Regulation:	IARE - R20	Batch:	2020-2024
Course Name:	Chemistry	Course Code:	AHSC06
Semester:	II	Target Value:	60% (1.8)

#### Attainment of COs:

Course Outcome	Direct attainment	Indirect attainment	Overall attainment	Observation
CO1 Explain the electrochemical principles, corrosion process in metals for protection of different metals from corrosion.	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.	3.00	2.20	2.8	Attained
CO3 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
CO4 Compare different types of polymerization reactions, mechanism of lubrication for utilizing in industries.	1.60	2.20	1.7	Not 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.	3.00	2.20	2.8	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.	3.00	2.20	2.8	Attained

#### Action Taken:

CO1: More assignments may be given on electrochemical processes for the protection of different metals from corrosion.

CO3: More tutorials may be conducted on finding the hardness of water by different treatment methods.

CO4: More industrial applications on lubrication may be given.

  
Course Coordinator

  
Mentor

  
Head of the Department

Head of the Department  
Mechanical Engineering  
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