



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

MECHANICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. M SIVA NAGA ANJANEYA PRASAD	Department:	Mechanical Engineering
Regulation:	IARE - R20	Batch:	2021-2025
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.	0.60	2.50	1	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.	0.90	2.50	1.2	Not Attained
CO3	Identify the hardness of water by different treatment methods for finding the hardness causing salts in water.	0.90	2.50	1.2	Not Attained
CO4	Compare different types of polymerization reactions, mechanism of lubrication for utilizing in industries.	0.90	2.50	1.2	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.	1.30	2.50	1.5	Not 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.	0.60	2.50	1	Not Attained

Action Taken:

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

CO2: More problems may be solved on finding the electromotive force and electrode potential.

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.

CO5: More exercises may be given on the application of green synthetic methods.

CO6: More assignments may be given on the effects of pollutants on air, water, and soil that cause environmental pollution.


Course Coordinator


Mentor


Head of the Department
Head of the Department
Mechanical Engineering
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