



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

## CIVIL ENGINEERING

### ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Mr. R SURESH KUMAR	Department:	Civil Engineering
Regulation:	IARE - R20	Batch:	2021-2025
Course Name:	Hydrology and Water Resources Engineering	Course Code:	ACEC15
Semester:	V	Target Value:	60% (1.8)

#### Attainment of COs:

	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Interpret the components of water cycle and its measurement for evolving the effects of hydrology.	3.00	2.10	2.8	Attained
CO2	Summarize the factors effecting the rate of evaporation and infiltration for reducing the water loss in the environment	1.60	2.10	1.7	Not Attained
CO3	Develop a unit hydrograph based on stream flow data for preventing hydraulic system flood problems.	0.90	2.10	1.1	Not Attained
CO4	Illustrate the geological formations capable of storing and transporting groundwater and radial movement for improving the yield of water table in the aquifers.	0.90	2.10	1.1	Not Attained
CO5	Identify the basic requirements of irrigation and various techniques to supply water improving the production of crops.	2.00	2.10	2	Attained
CO6	Classify the various hydraulic structures such as, dams, spillways and canals on the basic of hydraulic design Considerations for Storing and transporting water efficiently and economically	0.90	2.10	1.1	Not Attained

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

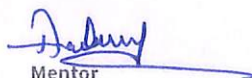
CO2: Conduct workshops on environmental factors influencing evaporation & infiltration to enhance student understanding & water conservation skills.

CO3: Conduct problem solving sessions on unit hydrograph analysis with practical exercises using stream flow data for flood prevention in hydraulic systems.

CO4: Conduct field trips to study geological formations, organize guest lectures by experts, and facilitate problem-solving sessions on groundwater movement.

CO6: Providing specialized training or workshops on dam engineering principles and visting to the dam site.

  
Course Coordinator

  
Mentor

  
Head of the Department

Head of the Department  
Civil Engineering  
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