



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

## MECHANICAL ENGINEERING

### ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Mr. A SOMAIAH	Department:	Mechanical Engineering
Regulation:	IARE - R20	Batch:	2021-2025
Course Name:	Fluid Mechanics and Hydraulic Machines Laboratory	Course Code:	AMEC16
Semester:	IV	Target Value:	60% (1.8)

#### Attainment of COs:


Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1 Utilize the concept of calibrating Orifice and Venturi meter to reduce the uncertainty in the discharge coefficient.	2.30	0.00	2.3	Attained
CO2 Make use of the pipe friction apparatus, determine the coefficient of friction interpreting data from Moody's diagram to identify, name, and characterize flow patterns and regimes.	2.30	0.00	2.3	Attained
CO3 Apply the statement of Bernoulli's equation in real fluids to demonstrate whether the total energy of flow is constant.	2.30	0.00	2.3	Attained
CO4 Distinguish the performance characteristics of turbo machinery for various operating conditions.	2.30	0.00	2.3	Attained
CO5 Determine the discharge, pressure head developed and hydraulic efficiency of a centrifugal pump. for minimum power input.	2.30	0.00	2.3	Attained
CO6 Apply the concepts of impact of jet on moving vanes to measure the forces on rotor vanes of turbines, centrifugal pumps, etc.	2.30	0.00	2.3	Attained

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

Course Coordinator

  
Mentor

Head of the Department

  
Head of the Department  
Mechanical Engineering  
INSTITUTE OF AERONAUTICAL ENGINEERING  
Dundigal, Hyderabad - 500 043