



MECHANICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. G SARAT RAJU	Department:	Mechanical Engineering
Regulation:	IARE - UG20	Batch:	2022-2026
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.	2.40	0.00	2.4	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.	2.40	0.00	2.4	Attained
CO3	Apply the statement of Bernoulli's equation in real fluids to demonstrate whether the total energy of flow is constant.	2.40	0.00	2.4	Attained
CO4	Distinguish the performance characteristics of turbo machinery for various operating conditions.	2.40	0.00	2.4	Attained
CO5	Determine the discharge, pressure head developed and hydraulic efficiency of a centrifugal pump, for minimum power input.	2.40	0.00	2.4	Attained
CO6	Apply the concepts of impact of jet on moving vanes to measure the forces on rotor vanes of turbines, centrifugal pumps, etc.	2.40	0.00	2.4	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