



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

## AERONAUTICAL ENGINEERING

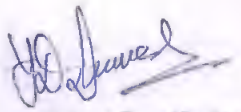
### ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	<b>Dr. YAGYA DUTTA DWIVEDI</b>	Department:	<b>Aeronautical Engineering</b>
Regulation:	<b>IARE - R20</b>	Batch:	<b>2022-2026</b>
Course Name:	<b>Fluid Dynamics Laboratory</b>	Course Code:	<b>AAEC04</b>
Semester:	<b>II</b>	Target Value:	<b>60% (1.8)</b>

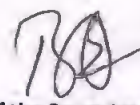
#### Attainment of COs:

	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Interpret the concept of calibrating orifice and venturi meter for reducing the uncertainty in the discharge coefficient.	3.00	0.00	3	Attained
CO2	Make use of pipe friction test apparatus to measure the friction factor under a range of flow rates and flow regimes for calculating major losses in closed pipes	3.00	0.00	3	Attained
CO3	Demonstrate the verification of Bernoulli's theorem for incompressible steady continuous flow for regulating pipe flow across cross-section and datum	3.00	0.00	3	Attained
CO4	Identify the critical Reynolds number using Reynolds apparatus for illustrating the transition of laminal flow into turbulent flow	3.00	0.00	3	Attained
CO5	Make use of jet impact apparatus for investigating the reaction forces produced by the change in momentum	3.00	0.00	3	Attained
CO6	Distinguish the performance characteristics of turbo machinery under various operating conditions for calculating efficiency of turbines under specific applications	3.00	0.00	3	Attained

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

  
Course Coordinator

  
Mentor

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