INSTITUTE OF AERONAUTICAL ENGINEERING
(Autonomous)
Dundigal, Hyderabad - 500043, Telangana

AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

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

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 loses 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**

Head of the Department
Aeronautical Engineering
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