

**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 - BT23	Batch:	2023-2027
Course Name:	Mechanics of Solids & Fluid Dynamics Laboratory	Course Code:	AAED05
Semester:	III	Target Value:	60% (1.8)

Attainment of COs:

	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Compare the hardness of ferrous and nonferrous materials using Rockwell and Brinell's hardness testing machines	3.00	0.00	3	Attained
CO2	Choose the regions of elasticity and plasticity, stress-strain relationships using universal testing machine for determining the safety factor	3.00	0.00	3	Attained
CO3	Summarize performance of a material or product using torsion tests, when undergoes rotational motion when in service .	3.00	0.00	3	Attained
CO4	Demonstrate the validation of Bernoulli's theorem for incompressible, steady, continuous flow in order to regulate pipe flow across a cross-section and datum.	3.00	0.00	3	Attained
CO5	Illustrate the critical Reynolds number using Reynolds apparatus for transition of laminar flow into turbulent flow.	3.00	0.00	3	Attained
CO6	Make use of the jet impact apparatus to investigate the reaction forces generated due to changes in momentum	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
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