



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

## AERONAUTICAL ENGINEERING

### ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Mr. U SHIVA PRASAD	Department:	Aeronautical Engineering
Regulation:	IARE - R18	Batch:	2018-2022
Course Name:	FLUID DYNAMICS LABORATORY	Course Code:	AAEB05
Semester:	III	Target Value:	60% (1.8)

#### Attainment of COs:

Course Outcome	Direct attainment	Indirect attainment	Overall attainment	Observation
C01 Interpret the concept of calibrating orifice and venturi meter for reducing the uncertainty in the discharge coefficient.	3.00	0.00	3	Attained
C02 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
C03 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
C04 Identify the critical Reynolds number using Reynolds apparatus for illustrating the transition of laminal flow into turbulent flow.	3.00	0.00	3	Attained
C05 Make use of jet impact apparatus for investigating the reaction forces produced by the change in momentum.	3.00	0.00	3	Attained
C06 Distinguish the performance characteristics of turbo machinery to various operating conditions for calculating efficacy of turbines under specific applications	3.00	0.00	3	Attained

#### Action taken report:

  
Course Coordinator

  
Mentor

  
Head of the Department

Head of the Department  
Aeronautical Engineering  
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