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**	Course Code:	**AAEC03**
Semester:	**III**	Target Value:	**60% (1.8)**

Attainment of COs:

	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Identify the suitable pressure measuring devices for determining the flow measurements in fluid systems	0.90	2.30	1.2	Not Attained
CO2	Utilize the concept of Similitude and Non Dimensional numbers for validating physical parameters of a designed prototype	1.60	2.20	1.7	Not Attained
CO3	Apply the law of conservation of mass and momentum for obtaining numerical solutions of internal fluid flow systems	0.90	2.20	1.2	Not Attained
CO4	Utilize the principle of Bernoulli equation for calculating the discharge in internal and open channel flows	2.30	2.20	2.3	Attained
CO5	Apply boundary layer theory for internal and external flow systems in determining drag forces and frictional losses.	2.30	2.20	2.3	Attained
CO6	Classify the types of hydraulic machines based on working principle and performance characteristics for the selection in real world applications.	1.60	2.20	1.7	Not Attained

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

CO1: Additional reading material on pressure measuring devices is to be provided.
CO2: Digital content on non-dimensional numbers is to be provided for better understanding.
CO3: Additional numericals on the conservation of mass and momentum are to be provided.
CO6: Additional reading material on hydraulic machines and performance characteristics are to be provided for better understanding.

Course Coordinator **Mentor** **Head of the Department**

Head of the Department
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