INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

MECHANICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of the faculty:	**Mr. A Somaiah**	Department:	**ME**
Regulation:	**IARE - R16**	Batch:	**2017 - 2021**
Course Name:	**Mechanics of Fluids and Hydraulic Machines**	Course Code:	**AME008**
Semester:	**IV**	Target Value:	**60% (1.8)**

Attainment of COs:

Course Outcome		Direct attainment	Indirect attainment	Overall attainment	Observation
CO1	Relate the basic properties, various types and patterns of fluid flow configurations that are encountered in fluid flows.	2.30	2.40	2.3	Attainment target reached
CO2	Apply the basic laws of conservation for various phenomena of fluid flow systems by understanding appropriate parametric assumptions and limitations.	0.90	2.40	1.2	Attainment target not reached
CO3	Outline the regimes and separation of boundary layer during external fluid flow systems.	0.90	2.40	1.2	Attainment target not reached
CO4	Compare the total and hydraulic gradient lines for distinct cases of losses during a closed conduit fluid flow system.	1.60	2.40	1.8	Attainment target reached
CO5	Demonstrate the theories, cavitation phenomena and working principles of hydraulic turbines.	1.60	2.10	1.7	Attainment target not reached
CO6	Make use of the dimensionless parameters, model analysis to analyze prototypes of hydraulic pumps.	1.60	2.10	1.7	Attainment target not reached

Action taken report:

CO2: Additional exercise required to explain the laws of conservation for various phenomena of fluid flow systems
CO3: Additional tutorial hours required to practice in boundary layer during external fluid flow systems.
CO5: Extra tutorial hours essential to discuss the cavitation phenomena and working principles of hydraulic turbines.
CO6: More practice required to explain the analyze prototypes of hydraulic pumps.

Course Coordinator **Mentor** **HOD**

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