



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad-500043
MECHANICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME-ACTION TAKEN REPORT

Name of the faculty:	Mr. A.Somaiah	Department:	ME
Regulation:	IARE-R16	Batch:	2016 -2020
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	2.10	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	2.10	1.1	Attainment target not reached
CO3	Outline the regimes and separation of boundary layer during external fluid flow systems.	0.90	2.00	1.1	Attainment target not reached
CO4	Compare the total and hydraulic gradient lines for distinct cases of losses during a closed conduit fluid flow systems.	0.90	2.00	1.1	Attainment target not reached
CO5	Demonstrate the theories, cavitation phenomena and working principles of hydraulic turbines.	0.90	1.80	1.1	Attainment target not reached
CO6	Make use of the dimensionless parameters, model analysis to analyze prototypes of hydraulic pumps.	2.30	2.20	2.3 1.5	Attainment target reached

Action taken report:

CO2: More assignments may be given on laws of conservation for various phenomena of fluid flow systems.

CO3: Additional tutorial hours required to practice in Laminar and turbulent boundary layers.

CO4: More problems to be solved in Closed conduit flow problems.

CO5: Extra tutorial hours essential to discuss hydraulic turbines and performance problems.

Course Coordinator

Mentor

HOD

Head of the Department
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