



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

MECHANICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Mr. A SOMAIAH	Department:	Mechanical Engineering
Regulation:	IARE - R18	Batch:	2019-2023
Course Name:	FLUID MECHANICS AND MACHINES	Course Code:	AMEB08
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.	0.90	2.20	1.2	Not Attained
CO2	Apply the basic laws of conservation for various phenomena of fluid flow systems by understanding appropriate parametric assumptions and limitations.	0.90	2.20	1.2	Not Attained
CO3	Outline the regimes and separation of boundary layer during external fluid flow systems.	0.90	2.20	1.2	Not Attained
CO4	Compare the total and hydraulic gradient lines for distinct cases of losses during a closed conduit fluid flow systems.	0.90	2.20	1.2	Not Attained
CO5	Demonstrate the theories, cavitation phenomena and working principles of hydraulic turbines.	0.60	2.20	0.9	Not Attained
CO6	Make use of the dimensionless parameters, model analysis to analyze prototypes of hydraulic pumps.	0.30	2.20	0.7	Not Attained

Action Taken:

- CO1: More assignments are to be given on the properties of fluid and types of fluid flow.
CO2: More tutorials to be conducted on the application of various laws of conservation phenomena.
CO3: More assignments to be given on boundary layer flows.
CO4: More assignments to be given on flow through pipes.
CO5: More problems to be solved on performance of hydraulic turbines.
CO6: More problems to be solved on the performance of hydraulic pumps.

Course Coordinator

Mentor

Head of the Department

Head of the Department
Mechanical Engineering
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