



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

MECHANICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Mr. G SHARATH RAJU	Department:	Mechanical Engineering
Regulation:	IARE - R20	Batch:	2020-2024
Course Name:	Fluid Mechanics and Hydraulic Machines	Course Code:	AMEC12
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.	2.00	2.20	2	Attained
CO2	Apply the basic laws of conservation for various phenomena of fluid flow systems by understanding appropriate parametric assumptions and limitations	0.60	2.10	0.9	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	2.10	1.1	Not Attained
CO5	Demonstrate the theories, phenomena and working principles of hydraulic machines	1.00	2.10	1.2	Not Attained
CO6	Make use of the dimensionless parameters, model analysis to analyze prototypes of hydraulic pumps.	0.30	2.10	0.7	Not Attained

Action Taken:

- CO2: More tutorials may be conducted on the application of basic laws of conservation to fluid flow systems.
CO3: More examples of external flows may be given to demonstrate the separation of the boundary layer.
CO4: More problems may be given in finding the total and hydraulic gradient lines for closed conduit fluid flow systems.
CO5: More tutorials may be conducted on the working of hydraulic machines.
CO6: More problems may be solved on analyzing the hydraulic pumps.


Course Coordinator


Mentor


Head of the Department

Head of the Department
Mechanical Engineering
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