



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

## AERONAUTICAL ENGINEERING

### ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of the faculty:	<b>U Shiva Prasad</b>	Department:	<b>Aeronautical Engineering</b>
Regulation:	<b>IARE - R16</b>	Batch:	<b>2016 - 2020</b>
Course Name:	<b>Fluid Mechanics and Hydraulics</b>	Course Code:	<b>AAE003</b>
Semester:	<b>III</b>	Target Value:	<b>50% (1.8)</b>

#### Attainment of COs:

Course Outcome		Direct attainment	Indirect attainment	Overall attainment	Observation
CO 1	Identify the suitable pressure measuring devices for determining the flow properties in fluid systems.	3.0	2.7	2.9	Attainment target reached
CO 2	Utilize the concept of Similitude and Non-Dimensional numbers for validating physical parameters of a designed prototype	3.0	2.7	2.9	Attainment target reached
CO 3	Apply the law of conservation of mass and momentum for obtaining numerical solutions of internal fluid flow systems	2.3	2.5	2.3	Attainment target reached
CO 4	Utilize the principle of Bernoulli equation for measurement of discharge in internal and external fluid flow systems	3.0	2.6	2.9	Attainment target reached
CO 5	Apply boundary layer theory for internal and external flow systems in determining drag forces and frictional losses.	2	2.7	2.1	Attainment target reached
CO 6	Classify the types of hydraulic machines based on working principle and performance characteristics for the selection in real world applications.	0.9	2.5	1.2	Attainment target is not yet reached

#### Action taken report:

CO 6: Real world problems and simulative videos may be included during class room teaching.

*Shiva*  
Course Coordinator

*Shiva*  
Mentor

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