



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

## AERONAUTICAL ENGINEERING

### ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of the faculty:	<b>Dr. Prasanta Kumar Mohanta</b>	Department:	<b>Aeronautical Engineering</b>
Regulation:	<b>R16</b>	Batch:	<b>2017-2021</b>
Course Name:	<b>Experimental Aerodynamics</b>	Course Code:	<b>AAE509</b>
Semester:	<b>VI</b>	Target Value:	<b>60% (1.8)</b>

#### Attainment of COs:

Course Outcome		Direct attainment	Indirect attainment	Overall attainment	Observation
CO1	Illustrate the types of wind tunnel, Scaling laws, and Similarity parameters used for the analysis of the prototype models.	1.3	1.4	1.3	Attainment target not reached
CO2	Explain the components and the percentage energy loss in the various parts of low and high speed wind tunnels for obtaining the accurate results from wind tunnel experiments.	3.0	1.4	2.7	Attainment target reached
CO3	Select the methods for the improvements of wind tunnel performance and corrective measures for attaining the accurate results	3.0	1.4	2.7	Attainment target reached
CO4	Identify the various load balances used in the wind tunnel for analyzing the aerodynamic characteristics of designed prototype models.	0.7	1.4	0.8	Attainment target not reached
CO5	Select the flow measurement devices for pressure, velocity, and temperature over a prototype models.	0.7	1.4	0.8	Attainment target not reached
CO6	Examine the various flow visualization techniques used in wind tunnels for the analysis of aerodynamic and automobile engineering problems.	0.0	1.4	0.3	Attainment target not reached

#### Action taken report:

CO 1: Digital content and assignments have to be increased.


CO 4: Digital content and videos given in classes for better understanding of concept.

CO 5: Application oriented problems may be given.

CO 6: Real time application may be better for attainment.

  
Course Coordinator

  
Mentor

  
Head of the Department  
Aeronautical Engineering  
**HOD**  
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