



AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Mr. GOOTY ROHAN	Department:	Aeronautical Engineering
Regulation:	IARE - R18	Batch:	2019-2023
Course Name:	Experimental Aerodynamics	Course Code:	AAEB35
Semester:	VI	Target Value:	60% (1.8)

Attainment of COs:

Course Outcome	Direct attainment	Indirect attainment	Overall attainment	Observation
CO1 Explain the need of wind tunnel and its measuring techniques for analysis of model using geometric similarity, kinematic similarity and dynamic similarity.	0.90	2.20	1.2	Not Attained
CO2 Classify the types of wind tunnels based on wind speeds for designing the prototypes and their applications aerospace industries	0.60	2.10	0.9	Not Attained
CO3 Identify the principal components of low speed wind tunnel and their functions for determining loss coefficients and constraints.	0.90	2.10	1.1	Not Attained
CO4 Illustrate the methods for the improvements of wind tunnel performance and corrective measures for obtaining accurate results with wind tunnel experiments.	0.60	2.10	0.9	Not Attained
CO5 Demonstrate low speed wind tunnel balances, mechanical and Strain gauge types, null displacement methods and strain method and etc for load measurement using wind tunnel balance.	0.30	2.20	0.7	Not Attained
CO6 Explain the model supports used in wind tunnel for load measurement.	0.30	2.10	0.7	Not Attained

Action Taken:

CO1: Digital content and videos are given in classes for a better understanding of concept.

CO2: Extra inputs are given to enhance knowledge in wind tunnels.

CO3: Extra inputs are given to enhance knowledge in wind tunnels.


CO4: Additional reading materials are provided for wind tunnel experiments.

CO5: Extra assignments are given to enhance application of wind tunnels.

CO6: Digital content is given to enhance the knowledge

  
Course Coordinator

  
Mentor

  
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