INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of the faculty:	**Dr. Maruthupandiyan K**	Department:	**Aeronautical Engineering**
Regulation:	**IARE - R16**	Batch:	**2017 - 2021**
Course Name:	**Low Speed Aerodynamics**	Course Code:	**AAE004**
Semester:	**IV**	Target Value:	**60% (1.8)**

Attainment of COs:

Course Outcome		Direct attainment	Indirect attainment	Overall attainment	Observation
CO 1	Develop the mathematical model of non-lifting, lifting flow over circular cylinder for identifying relation between lift and circulation	1.6	2.5	1.8	Attainment target reached
CO 2	Solve the lift characteristics of wing of infinite aspect ratio from classical thin airfoil for selecting suitable airfoil	0.9	2.5	1.2	Attainment target is not reached
CO 3	Examine the flow over finite wing using the concept of Prandtl's lifting line theory for determining the effect of span wise flow on the lift distribution.	0.9	2.5	1.2	Attainment target is not reached
CO 4	Identify the effect of wing twist, wing taper and wing sweep for perceiving the aerodynamic characteristics of finite wing.	0.6	2.4	1.0	Attainment target is not reached
CO 5	Demonstrate the effect of propeller slipstream flow on the wing and tail unit for identifying its effect on their aerodynamic characteristics.	0.3	2.4	0.7	Attainment target is not reached
CO 6	Interpret the regimes and separation of boundary layer over external fluid flow systems for identifying the effect of viscosity on the drag force	1.6	2.4	1.8	Attainment target reached

Action taken report: (To be filled by the concerned faculty / course coordinator)

CO 2: Remedial classes have been conducted.

CO 3: Remedial classes have been conducted.

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

CO 5: Application oriented problems may be given.

Course Coordinator **Mentor** **HOD**

Head of the Department
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