INSTITUTE OF AERONAUTICAL ENGINEERING
(Autonomous)
Dundigal, Hyderabad - 500043, Telangana

AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	**Dr. YAGYA DUTTA DWIVEDI**	Department:	**Aeronautical Engineering**
Regulation:	**IARE - UG20**	Batch:	**2022-2026**
Course Name:	**Aerodynamics**	Course Code:	**AAEC08**
Semester:	**IV**	Target Value:	**60% (1.8)**

Attainment of COs:

	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Develop the mathematical model of non-lifting, lifting flow over circular cylinder for identifying relation between lift and circulatio	3.00	2.30	2.9	Attained
CO2	Solve the lift characteristics of wing of infinite aspect ratio from classical thin airfoil for selecting suitable airfoil	3.00	2.30	2.9	Attained
CO3	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	3.00	2.30	2.9	Attained
CO4	Identify the effect of wing twist, wing taper and wing sweep for perceiving the aerodynamic characteristics of finite wing	2.10	2.30	2.1	Attained
CO5	Make use of the Kutta-Joukowski transformation for mathematically modeling the flow over airfoil	3.00	2.30	2.9	Attained
CO6	Distinguish the regimes and separation of boundary layer over external fluid flow systems for finding the effect of viscosity on the drag force	2.70	2.30	2.6	Attained

Action Taken Report: (To be filled by the concerned faculty / course coordinator)

Course Coordinator

Mentor

Head of the Department
Aeronautical Engineering
INSTITUTE OF AERONAUTICAL ENGINEERING
Dundigal, Hyderabad - 500 043