

**INSTITUTE OF AERONAUTICAL ENGINEERING**

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

**AERONAUTICAL ENGINEERING****ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT**

Name of the faculty:	Ms. D ANITHA	Department:	Aeronautical Engineering
Regulation:	IARE - UG20	Batch:	2021-2025
Course Name:	Flight Vehicle Design Laboratory	Course Code:	AAEC44
Semester:	VII	Target Value:	60% (1.8)

**Attainment of COs:**

Course Outcome		Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Choose data collection for conceptual sketch from existing aircraft for understanding aerodynamic performance requirements.	0.00	0.00	0	Not Attained
CO2	Classify rubber engine sizing of a given fighter aircraft for calculating the take-off weights in order so that the aircraft meets all set requirements	0.00	0.00	0	Not Attained
CO3	Make use of airfoil geometry and co-ordinates for obtaining the required 3D model by using designer tools like catiaV5.	0.00	0.00	0	Not Attained
CO4	Simplify the performance estimations involving design layout for calculating the variation of C L and CD at angle of attack.	0.00	0.00	0	Not Attained
CO5	Estimate take-off gross weight of simple cruise mission profile for calculating the empty weight fraction.	0.00	0.00	0	Not Attained
CO6	Identify the total drags on an aircraft and calculate the total weight, thrust and drag for exit pressure and Mach number for the given nozzle configurations.	0.00	0.00	0	Not Attained

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

CO1: Additional materials are provided

CO2: Digital content and videos are provided for better understanding of concepts

CO3: Guided to using airfoil geometry and coordinates to create accurate 3D models of aircraft components using design tools like CATIA V5.

CO4: Digital content and videos are provided for better understanding of concepts

CO5: Additional materials are provided

CO6: identified the total drag acting on an aircraft and guided them in calculating total weight, thrust, and drag based on exit pressure and Mach number for given nozzle configurations.

  
Course Coordinator

  
Mentor

  
Head of the Department

Head of the Department  
Aeronautical Engineering  
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