



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

## AERONAUTICAL ENGINEERING

### ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Mr. GUNDA SHIVA KRISHNA	Department:	Aeronautical Engineering
Regulation:	IARE - UG20	Batch:	2022-2026
Course Name:	Flight Vehicle Design	Course Code:	AAEC34
Semester:	VII	Target Value:	60% (1.8)

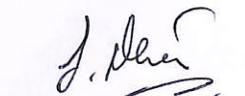
#### Attainment of COs:

Course Outcome		Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Choose data collection for conceptual sketch from existing aircraft for understanding aerodynamic	2.30	2.40	2.3	Attained
CO2	Classify engine sizing of a given fighter aircraft for calculating the take-off weights in order so that the aircraft meets all set requirements.	2.30	2.30	2.3	Attained
CO3	Make use of airfoil geometry and co-ordinates for obtaining the required 3D model by using designer tools like catiaV5.	2.30	2.40	2.3	Attained
CO4	Simplify the performance estimations involving design layout for calculating the variation of C L and CD at angle of attack.	3.00	2.40	2.9	Attained
CO5	Estimate take-off gross weight of simple cruise mission profile for calculating the empty weight fraction.	3.00	2.40	2.9	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	1.60	2.40	1.8	Attained

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

  
Course Coordinator

  
Mentor

  
Head of the Department

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