



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

## AERONAUTICAL ENGINEERING

### ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. MARUTHUPANDIYAN K	Department:	Aeronautical Engineering
Regulation:	IARE - R18	Batch:	2019-2023
Course Name:	Flight Vehicle Design Laboratory	Course Code:	AAEB26
Semester:	VII	Target Value:	60% (1.8)

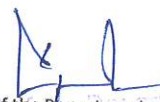
#### Attainment of COs:

Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1 Choose data collection for conceptual sketch from existing aircraft for understanding aerodynamic performance requirements.	2.30	0.00	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	0.00	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	0.00	2.3	Attained
CO4 Simplify the performance estimations involving design layout for calculating the variation of CL and CD at angle of attack.	2.30	0.00	2.3	Attained
CO5 Estimate take-off gross weight of simple cruise mission profile for calculating the empty weight fraction.	2.30	0.00	2.3	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.	2.30	0.00	2.3	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