



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Ms. G SRAVANTHI	Department:	Aeronautical Engineering
Regulation:	IARE - R20	Batch:	2020-2024
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	3.00	2.30	2.9	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.	2.30	2.20	2.3	Attained
CO3 Make use of airfoil geometry and co-ordinates for obtaining the required 3D model by using designer tools like catiaV5.	1.60	2.30	1.7	Not Attained
CO4 Simplify the performance estimations involving design layout for calculating the variation of C L and CD at angle of attack.	1.60	2.30	1.7	Not Attained
CO5 Estimate take-off gross weight of simple cruise mission profile for calculating the empty weight fraction.	1.60	2.30	1.7	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	1.60	2.20	1.7	Not Attained

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

CO3: Additional problems in obtaining airfoil coordinates are to be given to students.


CO4: Digital content on performance estimations of airfoils is to be provided for better understanding.

CO5: Additional content on the estimation of aircraft weights is to be given for better understanding.

CO6: Additional exercises on calculating Mach numbers for given nozzle configurations are to be provided.


Course Coordinator


Mentor


Head of the Department
Aeronautical Engineering
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