



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of the faculty:	Ms. M Mary Thraza	Department:	Aeronautical Engineering
Regulation:	IARE - R16	Batch:	2016 - 2020
Course Name:	Flight Vehicle Design	Course Code:	AAE017
Semester:	VII	Target Value:	65% (1.8)

Attainment of COs:

Course Outcome		Direct attainment	Indirect attainment	Overall attainment	Observation
CO1	Classify the Phases of aircraft design and airfoil design considerations, wing geometry, tail geometry, thrust matching, constraint analysis for manufacturing a new design.	1.3	2.6	1.6	Attainment target is not yet reached
CO2	Illustrate sizing with fixed engine and with rubber engine significance and methods, performance parameters from initial stage to landing for calculating the weight of an aircraft.	0.9	2.6	1.2	Attainment target is not yet reached
CO3	Select the types of landing gears, sub systems arrangements guidelines and fuel system integration, baseline design analysis for new design wheel alignment, support and retraction.	0.9	2.6	1.2	Attainment target is not yet reached
CO4	Choose the handling qualities and energy maneuverability methods of optimal climb trajectories and turns, level turning flight, gliding flight, for steady level flight, steady climbing and descending flight, best angle and rate of climb.	0.9	2.6	1.2	Attainment target is not yet reached
CO5	Identify the RDT and E, production costs and development of equipments operation and maintenance costs, cost measures of merit for selection of components, materials, end items and weapons used in aerospace vehicle.	0.9	2.6	1.2	Attainment target is not yet reached
CO6	Determine the elements of life cycle cost, cost estimating method, parametric analysis, sizing matrix plot and carpet plot, for estimating different trade methods for airline economics.	0.9	2.5	1.2	Attainment target is not yet reached

Action taken report:

CO 1: Digital content and assignments have to be increased.

CO 2: Remedial classes have been conducted.

CO 3: Remedial classes have been conducted.


CO 4: Digital content and videos given in classes for better understanding of concept.

CO 5: Application oriented problems may be given.

CO 6: Real time application may be better for attainment.


Course Coordinator


Mentor


HOD

Head of the Department
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