INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)
Dundigal, Hyderabad - 500 043

AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of the faculty:	Ms. K Sai Priyanka	Department:	Aeronautical
Regulation:	IARE - R16	Batch:	2017 - 2021
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.	2.3	2.5	2.3	Attainment target 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.	1.6	2.5	1.8	Attainment target 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.	1.3	2.5	1.5	Attainment target not 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.	2.3	2.5	2.3	Attainment target 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	2.5	1.2	Attainment target not 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.	1.6	2.5	1.8	Attainment target reached

Action taken report: (To be filled by the concerned faculty / course coordinator)
CO 3: Remedial classes have been conducted.
CO 5: Application oriented problems may be given.

Course Coordinator   Mentor   HOD