



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. G SRAVANTHI	Department:	Aeronautical Engineering
Regulation:	IARE - UG20	Batch:	2022-2026
Course Name:	Flight Mechanics	Course Code:	AAEC09
Semester:	IV	Target Value:	60% (1.8)

Attainment of COs:

Course Outcome		Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Demonstrate the mission profiles of simple cruise, commercial transport and military aircrafts for getting the airplane performance characteristics	3.00	2.20	2.8	Attained
CO2	Explain the cruise performance of an airplane in relation with range and endurance with different types of aircraft engines	0.60	2.20	0.9	Not Attained
CO3	Identify the effects of constant angle of attack, constant mach number, and constant altitude in cruise performance for notifying the minimum, maximum speeds in flight	2.30	2.20	2.3	Attained
CO4	Apply the concept of climb, descent performance along with energy height, specific excess power and energy methods for achieving optimal flight conditions	1.60	2.20	1.7	Not Attained
CO5	Develop the aircraft manoeuvre performance to perform in turn, pull-up and pull down manoeuvres by considering limitations of power for military and civil aircrafts	3.00	2.20	2.8	Attained
CO6	Compare the various landing distances such as discontinued landing, baulk landing for better stability and control of the aircraft	1.60	2.20	1.7	Not Attained

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


CO2: Additional examples related to cruise performance of an airplane are to be provided.

CO4: Assignments related to climb and descent performance are to be provided.

CO6: Digital content on stability and control of the aircraft is to be provided.


Course Coordinator


Mentor


Head of the Department
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