



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

AERONAUTICAL ENGINEERING

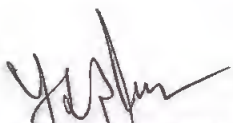
ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. YAGYA DUTTA DWIVEDI	Department:	Aeronautical Engineering
Regulation:	IARE - R20	Batch:	2021-2025
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	2.40	2.9	Attained
CO2 Explain the cruise performance of an airplane in relation with range and endurance with different types of aircraft engines	3.00	2.40	2.9	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	3.00	2.40	2.9	Attained
CO4 Apply the concept of climb, descent performance along with energy height, specific excess power and energy methods for achieving optimal flight conditions	3.00	2.40	2.9	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	2.40	2.9	Attained
CO6 Compare the various landing distances such as discontinued landing, baulk landing for better stability and control of the aircraft	3.00	2.40	2.9	Attained

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


Course Coordinator


Mentor


Head of the Department
Head of the Department
Aeronautical Engineering
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