



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:	2020-2024
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	0.90	2.40	1.2	Not Attained
CO2 Explain the cruise performance of an airplane in relation with range and endurance with different types of aircraft engines	0.90	2.30	1.2	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	0.90	2.40	1.2	Not Attained
CO4 Apply the concept of climb, descent performance along with energy height, specific excess power and energy methods for achieving optimal flight conditions	0.90	2.40	1.2	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	0.90	2.40	1.2	Not Attained
CO6 Compare the various landing distances such as discontinued landing, baulk landing for better stability and control of the aircraft	0.90	2.40	1.2	Not Attained

Action Taken:

CO1: Digital content and videos are given in classes for a better understanding of concept.

CO2: Digital content is given to enhance the knowledge in gas turbine operations.

CO3: Digital content is given to enhance the knowledge of flight performance.

CO4: Digital content and videos are given in classes for a better understanding of concept.

CO5: Digital content is given to enhance the knowledge of aircraft manoeuvre.

CO6: Digital content is given to enhance the knowledge during landings.


Course Coordinator


Mentor


Head of the Department

Head of the Department
Aeronautical Engineering
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