



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. V VARUN	Department:	Aeronautical Engineering
Regulation:	IARE - R18	Batch:	2018-2022
Course Name:	FLIGHT MECHANICS	Course Code:	AAEB09
Semester:	IV	Target Value:	60% (1.8)

Attainment of COs:

Course Outcome	Direct attainment	Indirect attainment	Overall attainment	Observation
C01 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
C02 Explain the cruise performance of an airplane in relation with range and endurance with different types of aircraft engines.	3.00	2.30	2.9	Attained
C03 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
C04 Apply the concept of climb, descent performance along with energy height, and specific excess power and energy methods for achieving optimal flight conditions.	2.70	2.30	2.6	Attained
C05 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	2.70	2.40	2.6	Attained
C06 Compare the various landing distances such as discontinued landing, baulk landing for better stability and control of the aircraft.	0.30	2.50	0.7	Not Attained

Action taken report:

COs:

Digital content is given to enhance the knowledge.


Course Coordinator


Mentor


Head of the Department

Head of the Department
Aeronautical Engineering
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