



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of the faculty:	Dr. Prasanta Kumar Mohanta	Department:	Aeronautical Engineering
Regulation:	IARE - R16	Batch:	2017 - 2021
Course Name:	Aircraft Performance	Course Code:	AAE011
Semester:	V	Target Value:	65% (1.8)

Attainment of COs:

Course Outcome		Direct attainment	Indirect attainment	Overall attainment	Observation
CO 1	Demonstrate the mission profiles of simple cruise, commercial transport and military aircrafts for getting the airplane performance characteristics	2.7	2.5	2.7	Attainment target reached
CO 2	Explain the cruise performance of an airplane in relation with range and endurance with different types of aircraft engines	0.9	2.5	1.2	Attainment target is not reached
CO 3	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	0.9	2.5	1.2	Attainment target is not reached
CO 4	Apply the concept of climb, descent performance along with energy height, specific excess power and energy methods for achieving optimal flight conditions	0.9	2.5	1.2	Attainment target is not reached
CO 5	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	0.6	2.5	1	Attainment target is not reached
CO 6	Compare the various landing distances such as discontinued landing, baulk landing for better stability and control of the aircraft	3.0	2.5	2.9	Attainment target reached

Action taken report:

CO 2: Remedial classes have been conducted.

CO 3: Remedial classes have been conducted.

CO 4: Digital content and videos given in classes for better understanding of concept.

CO 5: Application oriented problems may be given.


Course Coordinator


Mentor


Head of the Department
Aeronautical Engineering
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