INSTITUTE OF AERONAUTICAL ENGINEERING
(Autonomous)
Dundigal, Hyderabad - 500043, Telangana

AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Ms. G SRAVANTHI	Department:	Aeronautical Engineering
Regulation:	IARE - R18	Batch:	2019-2023
Course Name:	Automatic Control of Aircraft	Course Code:	AAEB49
Semester:	VIII	Target Value:	60% (1.8)

Attainment of COs:

	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Identify the principles of guidance, navigation, and governing laws for the control of aircraft for getting the desired aircraft attitude.	3.00	2.00	2.8	Attained
CO2	Demonstrate the automatic flight control system under different types of flight conditions for assessing the stability and control of an airplane	1.60	1.90	1.7	Not Attained
CO3	Examine the automatic gain schedule concept for airplane control by plotting the required curve f or obtaining desired automatic control of the flight vehicle.	2.30	2.00	2.2	Attained
CO4	Apply the concept of displacement autopilots and orientation control in longitudinal motion with its elements f or optimal flight automated control of the airplane	2.30	2.00	2.2	Attained
CO5	Make use of the aircraft longitudinal flight control laws by using simple stepping algorithm for optimizing the required control of the flight vehicles.	1.60	2.00	1.7	Not Attained
CO6	Analyze the fly-by-wire flight control by using flight control laws and modern computational tools system for the assessment of redundancy and failure of the aircraft operation.	2.30	2.00	2.2	Attained

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

CO2: Include more interactive visual aids to better understand the concept.

CO5: Provide additional assignments for understanding of stepping algorithm for optimization.

Course Coordinator

Mentor

Head of the Department

Head of the Department
Aeronautical Engineering
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