



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

AEROSPACE ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. YAGYA DUTTA DWIVEDI	Department:	Aerospace Engineering
Regulation:	IARE - R21	Batch:	2022-2024
Course Name:	Automatic Control of Aircraft	Course Code:	BAEC06
Semester:	I	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	2.10	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	3.00	2.20	2.8	Attained
CO3	Examine the automatic gain schedule concept for airplane control by plotting the required curve for obtaining desired automatic control of the flight vehicle.	0.90	2.30	1.2	Not Attained
CO4	Apply the concept of displacement autopilots and orientation control in longitudinal motion with its elements for optimal flight automated control of the airplane	3.00	2.30	2.9	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.	3.00	2.60	2.9	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.	3.00	2.20	2.8	Attained

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

CO3: Additional reading material on automatic gain schedule concept must be provided for better understanding.


Course Coordinator


Mentor


Head of the Department
Aeronautical Engineering
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