



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

AEROSPACE ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

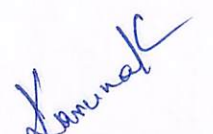
Name of the faculty:	Ms. D KARUNA KUMARI	Department:	Aerospace Engineering
Regulation:	IARE - R21	Batch:	2022-2024
Course Name:	Engineering Analysis of Flight Vehicles	Course Code:	BAEC14
Semester:	II	Target Value:	60% (1.8)

Attainment of COs:


	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Identify the factors affecting vehicles configuration for determining its effect on flight characteristics	1.60	2.20	1.7	Not Attained
CO2	Develop the equation of motion for operation of vehicle relative to the ground and flight for rigid flight vehicles using Newton's laws.	0.90	2.60	1.2	Not Attained
CO3	Construct the equation of motion of launch vehicle and spacecraft for static performance, impact of stability and control for the rotating planet.	0.90	2.30	1.2	Not Attained
CO4	Demonstrate the perturbed longitudinal equation of motion for static and dynamic stability of rigid flight vehicles.	0.90	2.40	1.2	Not Attained
CO5	Inspect the impact of stability and design of longitudinal control of flight vehicles using numerical integration method.	0.90	2.60	1.2	Not Attained
CO6	Examine the gliding re-entry vehicle with respect to a rotating planet using equations of motion of launch vehicles for dynamic performance	0.90	2.60	1.2	Not Attained

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

CO1: Digital content on vehicle configurations and its effects are provided.
CO2: Additional assignments on development of equations of motion for flight are to be given for better understanding.
CO3: Digital content on construction on equation of launch vehicle is to be provided.
CO4: Assignments on motion of aircraft dynamic and static stability are to be given of better understanding of perturbed equations of motion.
CO5: Digital content on numerical integration of stability and control of flight are to be provided.
CO6: Additional reading content on vehicle re-entry are to be provided.


Course Coordinator


Mentor


Head of the Department
Aeronautical Engineering
INSTITUTE OF AERONAUTICAL ENGINEERING
Dundigal, Hyderabad - 500 043