



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of Faculty:	Dr. Y B Sudhir Sastry	Department:	Aerospace Engineering
Regulation:	R-18	Batch:	2019-2021
Course Name:	Engineering Analysis Of Flight Vehicles	Course Code:	BAEB12
Semester:	II Semester	Target Value:	1.8

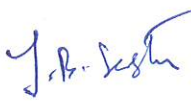
Course Outcome		Direct attainment	Indirect attainment	Overall attainment	Observation
CO 1	Identify the factors affecting vehicles configuration for determining its effect on flight characteristics	0.9	2.0	1.1	Not Attained
CO 2	Develop the equation of motion for operation of vehicle relative to the ground and flight for rigid flight vehicles using Newton's laws.	0.9	1.9	1.1	Not Attained
CO 3	Construct the equation of motion of launch vehicle and spacecraft for static performance, impact of stability and control for the rotating planet.	3	2.2	2.8	Attained
CO 4	Demonstrate the perturbed longitudinal equation of motion for static and dynamic stability of rigid flight vehicles.	2.1	2.1	2.1	Attained
CO 5	Inspect the impact of stability and design of longitudinal control of flight vehicles using numerical integration method.	2.1	2.3	2.1	Attained
CO 6	Examine the gliding re-entry vehicle with respect to a rotating planet using equations of motion of launch vehicles for dynamic performance	2.1	2.1	2.1	Attained


Action taken report (To be filled by the concerned faculty/ course coordinator):

CO 1: Digital content and videos will be given for better understanding of concept.

CO 2: Application oriented problems will be given


Course Coordinator


Mentor


HOD
Head of the Department
Aeronautical Engineering
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