



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

## AERONAUTICAL ENGINEERING ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of Faculty:	Ms.Madhurakavi Sravani	Department:	Aerospace Engineering
Regulation:	PG-21	Batch:	2021-2023
Course Name:	Engineering Analysis Of Flight Vehicles	Course Code:	BAEC14
Semester:	IIInd 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	2.5	1.2	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.	0.6	2.2	0.9	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.	0.9	2.4	1.2	Not Attained
CO 4	Demonstrate the perturbed longitudinal equation of motion for static and dynamic stability of rigid flight vehicles.	0.9	2.3	1.2	Not Attained
CO 5	Inspect the impact of stability and design of longitudinal control of flight vehicles using numerical integration method.	0.9	2.2	1.2	Not 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	0.9	2.5	1.2	Not Attained

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

- CO 1: Digital content will be given for better understanding
- CO 2: Real time problems will be discussed for more clarity
- CO 3: Application oriented problems may be given
- CO 4: Remedial classes may be conducted
- CO 5: Real time problem may be discussed
- CO 6: Practical oriented problems may be discussed

  
Course Coordinator

  
Mentor

  
HOD-AE

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