



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

## AEROSPACE ENGINEERING

### ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Mr. V PHANINDER REDDY	Department:	Aerospace Engineering
Regulation:	IARE - R21	Batch:	2022-2024
Course Name:	Rocket and Missile	Course Code:	BAEC16
Semester:	II	Target Value:	60% (1.8)

#### Attainment of COs:

	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Apply the knowledge of combustion systems and feed systems of rockets for selecting the suitable component based on the mission requirement.	0.90	2.40	1.2	Not Attained
CO2	Utilize the knowledge of aerodynamic forces and moments of Rockets and missiles for designing with optimum performance.	0.30	2.40	0.7	Not Attained
CO3	Apply the concepts of 1-D, 2-D rocket motions in free space and gravitational fields for solving the problems in space.	0.90	2.30	1.2	Not Attained
CO4	Analyse the combinations of trajectories, range, altitude and velocity of rockets and missiles for specific application.	0.90	2.40	1.2	Not Attained
CO5	Categorize the staging and controls of planned rocket and missiles for providing sufficient capability such as speed, range, and manoeuvrability.	0.90	2.30	1.2	Not Attained
CO6	Make use of the selection criteria of materials properties for designing new components under adverse conditions.	0.90	2.20	1.2	Not Attained

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

CO1: Digital content on rocket combustion systems are to be provided.

CO2: Additional reading content on aerodynamic forces and moments on rocket re to be provided.

CO3: Additional assignments for solving problems related to space are to be given.


CO4: Digital content on various combinations specific application are to be given for better understanding.

CO5: Digital content on rocket control methods are to be provided for better understanding of the concepts.

CO6: Additional reading material on selection criteria of materials for rockets is to be given for better understanding.

  
Course Coordinator

  
Mentor

  
Head of the Department  
Head of the Department  
Aeronautical Engineering  
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