



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Mr. V PHANINDER REDDY	Department:	Aeronautical Engineering
Regulation:	IARE - R18	Batch:	2019-2023
Course Name:	Rocket and Missiles	Course Code:	AAEB40
Semester:	VI	Target Value:	60% (1.8)

Attainment of COs:

Course Outcome	Direct attainment	Indirect attainment	Overall attainment	Observation
CO1 1. Utilize the working principle of different types of rocket propulsion systems for distinguishing them based on the mission requirement.	1.60	2.00	1.7	Not Attained
CO2 2. Discuss different design concepts implemented in solid rocket motor and liquid rocket engine for selecting the best propellant	1.60	2.00	1.7	Not Attained
CO3 3. Identify performance parameters of chemical rocket and propellants for relating thrust and burn characteristics.	1.60	2.00	1.7	Not Attained
CO4 4. Summarize various combustion process and commonly used propellants of a chemical rocket engine for identifying the optimal combinations based on specific application	0.90	2.00	1.1	Not Attained
CO5 5. Categorize various missiles and their appropriate guidance system to provide sufficient capability (speed, range, and maneuverability) and accomplish the mission planned for the system	2.00	1.90	2	Attained
CO6 6. Understand selection criteria and properties of materials to perform under adverse conditions for design of new components as per their requirements	0.60	2.00	0.9	Not Attained

Action Taken:

CO1: Additional reading materials are provided for working principle.

CO2: Digital content is given to enhance the knowledge in propellant selection.


CO3: Digital content and videos are given in classes for a better understanding of concept.

CO4: Digital content and videos are given in classes for a better understanding of concept.

CO6: Additional Assignments are given to understand selection criteria


Course Coordinator


Mentor


Head of the Department
Head of the Department
Aeronautical Engineering
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