



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 - R20	Batch:	2020-2024
Course Name:	Rocket and Missile Technology	Course Code:	AAEC27
Semester:	VI	Target Value:	60% (1.8)

Attainment of COs:

	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Utilize the working principle of different types of rocket propulsion systems for distinguishing them based on the mission requirement	1.00	2.20	1.2	Not Attained
CO2	Discuss different design concepts implemented in solid rocket motor and liquid rocket engine for selecting the best propellant	1.30	2.20	1.5	Not Attained
CO3	Identify performance parameters of chemical rocket and propellants for relating thrust and burn characteristics	1.60	2.20	1.7	Not Attained
CO4	Summarize various combustion process and commonly used propellants of a chemical rocket engine for identifying the optimal combinations based on specific application	0.70	2.20	1	Not Attained
CO5	Categorize various missiles and their appropriate guidance system to provide sufficient capability (speed, range, and maneuverability) and accomplish the mission planned for the system	0.30	2.30	0.7	Not Attained
CO6	Understand selection criteria and properties of materials to perform under adverse conditions for design of new components as per the requirements	0.00	2.20	0.4	Not Attained

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

CO1: Digital content on rocket propulsion systems and their principles are to be provided.

CO2: Additional reading content on design concepts of rocket motor are to be given for better understanding of concepts.

CO3: Additional content on performance parameters of chemical rockets are to be given.


CO4: Digital content on combustion process in rockets is to be provided.

CO5: Reading material on various missiles are given for better understanding.

CO6: Additional content on material selection are to be given.


Course Coordinator


Mentor


Head of the Department
Aeronautical Engineering
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