



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of the faculty:	Mr. T Mahesh kumar	Department:	Aeronautical Engineering
Regulation:	IARE - R16	Batch:	2016 - 2020
Course Name:	Rocket And Missiles	Course Code:	AAE518
Semester:	VIII	Target Value:	60% (1.8)

Attainment of COs:

Course Outcome		Direct attainment	Indirect attainment	Overall attainment	Observation
CO 1	Utilize the working principle of different types of rocket propulsion systems for distinguishing them based on the mission requirement.	1.4	2.6	1.6	Attainment target not reached
CO 2	Discuss different design concepts implemented in solid rocket motor and liquid rocket engine for selecting the best propellant	2.1	2.6	2.2	Attainment target reached
CO 3	Identify performance parameters of chemical rocket and propellants for relating thrust and burn characteristics	0.0	2.7	0.5	Attainment target not reached
CO 4	Summarize various combustion process and commonly used propellants of a chemical rocket engine for identifying the optimal combinations based on specific application	1.6	2.5	1.8	Attainment target reached
CO 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	2.3	2.7	2.4	Attainment target reached
CO 6	Understand selection criteria and properties of materials to perform under adverse conditions for design of new components as per the requirements.	0.9	2.7	1.3	Attainment target not reached

Action taken report:


CO 1: Digital content and assignments have to be increased.

CO 3: Remedial classes have been conducted.

CO 6: Real time application may be better for attainment.


Course Coordinator


Mentor


Head of the Department
Aeronautical Engineering
HOD
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