



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

AEROSPACE ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. PRASANTA KUMAR MOHANTA	Department:	Aerospace Engineering
Regulation:	IARE - MT23	Batch:	2023-2025
Course Name:	Jet and Rocket Propulsion	Course Code:	BAED02
Semester:	I	Target Value:	60% (1.8)

Attainment of COs:

	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Identify suitable air-breathing engine and operating system for the aircraft based on performance.	3.00	2.50	2.9	Attained
CO2	Distinguish between the functions and performance parameters of inlets, nozzles, combustors and after burners for choosing desired devices to the aero engines.	3.00	2.40	2.9	Attained
CO3	Identify the performance parameters for estimating the thrust and specific fuel consumption of an aircraft engine.	3.00	2.50	2.9	Attained
CO4	Examine the working procedure of rocket propulsion system and components for selecting them based on mission profile.	1.20	2.50	1.5	Not Attained
CO5	Make use of the working principles of solid and hybrid rocket motors for increasing the performances level.	1.80	2.50	1.9	Attained
CO6	Develop sub-systems and heat transfer systems in liquid propellant rocket for definitive deep space rocket propulsive design.	1.80	2.20	1.9	Attained

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

CO4: Additional materials and digital videos are presented and case study analysis are given


Course Coordinator


Mentor


Head of the Department

Head of the Department
Aeronautical Engineering
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