



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Mr. C SURESH	Department:	Aeronautical Engineering
Regulation:	IARE - R20	Batch:	2020-2024
Course Name:	Aerospace Propulsion	Course Code:	AAEC14
Semester:	V	Target Value:	60% (1.8)


Attainment of COs:

Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1 Identify the equations of various orbits for Launch vehicle ascent trajectories.	3.00	2.20	2.8	Attained
CO2 Classify the operating principles of rocket engines for determining the performance characteristics of various multistage rocket.	3.00	2.10	2.8	Attained
CO3 Discuss propellant grain design concepts implemented in solid rocket propulsion for selecting optimal grain design based on requirements.	2.30	2.10	2.3	Attained
CO4 Identify various erosive burning and combustion instability performance parameters for determine the burning rate and combustion characteristics.	3.00	2.20	2.8	Attained
CO5 Compare different propellant concepts implemented in rocket motor for identifying the optimal combinations based on particular application.	2.70	2.20	2.6	Attained
CO6 Make use of the concepts of electric propulsion systems for selecting the suitable technique as per the mission requirements.	2.70	2.10	2.6	Attained

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


Course Coordinator


Mentor


Head of the Department
Head of the Department
Aeronautical Engineering
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