INSTITUTE OF AERONAUTICAL ENGINEERING
(Autonomous)
Dundigal, Hyderabad - 500043, Telangana

AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	**Dr. G SRAVANTHI**	Department:	**Aeronautical Engineering**
Regulation:	**IARE - UG20**	Batch:	**2022-2026**
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.	0.90	2.30	1.2	Not Attained
CO2	Classify the operating principles of rocket engines for determining the performance characteristics of various multistage rocket.	0.90	2.30	1.2	Not Attained
CO3	Discuss propellant grain design concepts implemented in solid rocket propulsion for selecting optimal grain design based on requirements.	0.90	2.30	1.2	Not Attained
CO4	Identify various erosive burning and combustion instability performance parameters for determine the burning rate and combution characteristics.	0.90	2.30	1.2	Not Attained
CO5	Compare different propellant concepts implemented in rocket motor for identifying the optimal combinations based on particular application.	2.00	2.30	2.1	Attained
CO6	Make use of the concepts of electric propulsion systems for selecting the suitable technique as per the mission requirements.	0.30	2.30	0.7	Not Attained

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

CO1: identified the additional content for equations of various orbits related to launch vehicle ascent trajectories.

CO2: classified the operating principles of rocket engines of various multistage rockets.

CO3: Digital content and videos are presented for better understanding of concepts

CO4: Videos of erosive burning and combustion instability performance parameters are shown

CO6: concepts of electric propulsion systems are explained as per the mission requirements.

Course Coordinator

Mentor

Head of the Department

Head of the Department
Aeronautical Engineering
INSTITUTE OF AERONAUTICAL ENGINEERING
Dundigal, Hyderabad - 500 043