



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

AERONAUTICAL ENGINEERING ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of Faculty:	Mr.Gooty Rohan	Department:	Aerospace Engineering
Regulation:	PG-21	Batch:	2021-2023
Course Name:	Space Propulsion	Course Code:	BAEC01
Semester:	Ist Semester	Target Value:	1.8


Course Outcome		Direct attainment	Indirect attainment	Overall attainment	Observation
CO 1	Estimate launch dynamics parameters using orbital transfer and trajectorial perturbation for calculating orbit placement propulsion weight.	0.9	2.6	1.2	Not Attained
CO 2	Make use of rocket equation and fundamental principles for designing static test bed of rockets of inlets, nozzles, combustors and after burners for choosing desired devices to the aero engines.	0.9	2.4	1.2	Not Attained
CO 3	Design solid rocket motor propellant grain for optimizing proper burn rate requirement as per mission profile.	0.9	2.6	1.2	Not Attained
CO 4	Classify solid rocket motor burn pattern for solving combustion instability in erosive burning	0.9	2.5	1.2	Not Attained
CO 5	Distinguish liquid, cryogenic and hybrid rocket systems for selecting optimal rocket propulsion system in deep space missions	0.9	2.3	1.2	Not Attained
CO 6	Illustrate advanced propulsion techniques for explaining fuel utility mitigation in long overhaul mission involving select board refuelling.	0.3	2.3	0.7	Not Attained

Action taken report(To be filled by the concerned faculty/ course coordinator):

- CO 1: Digital content will be given for better understanding
- CO 2: Real time problems will be discussed for more clarity
- CO 3: Application oriented problems may be given
- CO 4: Remedial classes may be conducted
- CO 5: Real time problem may be discussed
- CO 6: Practical oriented problems may be discussed


Course Coordinator


Mentor


HOD-AE
Head of the Department
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