



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. MARUTHUPANDIYAN K	Department:	Aeronautical Engineering
Regulation:	IARE - R18	Batch:	2018-2022
Course Name:	AEROSPACE PROPULSION	Course Code:	AAEB08
Semester:	IV	Target Value:	60% (1.8)

Attainment of COs:

Course Outcome	Direct attainment	Indirect attainment	Overall attainment	Observation
CO1 Compare the operating principles of various gas turbine engines and their components for selecting the suitable engine as per the mission requirements.	3.00	2.40	2.9	Attained
CO2 Utilize the thrust equation and engine cycle analysis for achieving the required performance.	3.00	2.40	2.9	Attained
CO3 Apply the knowledge of flow through various inlets, and nozzles under various operating conditions for selecting the suitable inlets and nozzle as per the mission requirement.	2.40	2.40	2.4	Attained
CO4 Compare the different types of combustion chambers for identifying the design variables affecting their performance.	2.40	2.40	2.4	Attained
CO5 Make use of the performance characteristics and efficiencies of different compressors and turbines for identifying a suitable combination.	1.30	2.40	1.5	Not Attained
CO6 Identify the important design performance parameters of ramjet engine towards developing optimized ramjet engine.	0.30	2.40	0.7	Not Attained

Action taken report:

CO5:

Digital content and videos are given in classes for a better understanding of concept.

CO6:

Extra inputs are given to enhance the knowledge.


Course Coordinator


Mentor


Head of the Department

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