



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of the faculty:	Dr. Maruthupandiyan K	Department:	Aeronautical Engineering
Regulation:	IARE - R16	Batch:	2017 - 2021
Course Name:	Aircraft Propulsion	Course Code:	AAE007
Semester:	V	Target Value:	55% (1.8)

Attainment of COs:

Course Outcome		Direct attainment	Indirect attainment	Overall attainment	Observation
CO 1	Compare the operating principles of various gas turbine engines and their components for selecting the suitable engine as per the mission requirements	0.7	2.7	1.1	Attainment target is not reached
CO 2	Utilize the thrust equation and engine cycle analysis for achieving the required performance.	0.7	2.7	1.1	Attainment target is not reached
CO 3	Apply the suitable inlets, and nozzles based on Mach number and thrust produced for the optimization of engine performance.	0.9	2.7	1.3	Attainment target is not reached
CO 4	Compare the types of combustion chambers used in gas turbine engines based on working principles for better performance.	1.3	2.7	1.6	Attainment target is not reached
CO 5	Make use of the performance characteristics and efficiencies of compressors and turbines for identifying a suitable combination in propulsion systems.	2.0	2.7	2.1	Attainment target reached
CO 6	Identify the critical parameters of ramjet engine based on mission requirements for /producing developing optimized design.	0.3	2.7	0.8	Attainment target is not reached

Action taken report:

CO 1: Digital content and assignments have to be increased.

CO 2: Remedial classes have been conducted.


CO 3: Remedial classes have been conducted.

CO 4: Digital content and videos given in classes for better understanding of concept.

CO 6: Real time application may be better for attainment.


Course Coordinator


Mentor


Head of the Department
Aeronautical Engineering
HOD
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