



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:	Aircraft Propulsion	Course Code:	AAEC07
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.	1.00	2.60	1.3	Not Attained
CO2	Utilize the thrust equation and engine cycle analysis for achieving the required performance	0.00	2.60	0.5	Not 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	0.90	2.60	1.2	Not Attained
CO4	Compare the different types of combustion chambers for identifying the design variables affecting their performance	1.60	2.60	1.8	Attained
CO5	Make use of the performance characteristics and efficiencies of different compressors and turbines for identifying a suitable combination	1.30	2.60	1.6	Not Attained
CO6	Identify the important design performance parameters of ramjet engine towards developing optimized ramjet engine	1.30	2.60	1.6	Not Attained

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

CO1: Digital content on operating principles of various gas turbine engines is to be provided.


CO2: Additional content on thrust equation and engine cycle analysis is to be provided.


CO3: Additional reading content on various operating conditions of inlets and nozzles are to be provided.

CO5: Additional examples for performance characteristics and efficiencies of different compressors and turbines are to be provided.

CO6: Digital content for design performance parameters of ramjet engine are to be provided.


Course Coordinator


Mentor


Head of the Department
Aeronautical Engineering
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