



INSTITUTE OF AERONAUTICAL ENGINEERING (Autonomous)

Dundigal, Hyderabad - 500043, Telangana

AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. C SURESH	Department:	Aeronautical Engineering
Regulation:	IARE - R20	Batch:	2021-2025
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	2.40	1.3	Not Attained
CO2 Utilize the thrust equation and engine cycle analysis for achieving the required performance	0.30	2.40	0.7	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	2.40	1.2	Not Attained
CO4 Compare the different types of combustion chambers for identifying the design variables affecting their performance	0.60	2.40	1	Not Attained
CO5 Make use of the performance characteristics and efficiencies of different compressors and turbines for identifying a suitable combination	0.30	2.50	0.7	Not Attained
CO6 Identify the important design performance parameters of ramjet engine towards developing optimized ramjet engine	0.00	2.40	0.5	Not Attained

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

CO1: Digital content on principles of gas turbine are to be given.

CO2: Additional numericals on utilizing thrust equation are to be provided.

CO3: Additional reading materials on flow through inlets and nozzles are to be provided for better understanding.

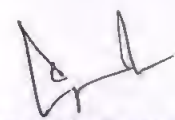
CO4: Digital content on gas turbine combustion chambers are to be given.

CO5: Additional assignment on performance characteristics of compressors and turbines are to be given.

CO6: Additional reading materials on ramjet engine need to be given for better understanding.


Course Coordinator


Mentor


Head of the Department
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