



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Mr. S SRIKRISHNAN	Department:	Aeronautical Engineering
Regulation:	IARE - R20	Batch:	2020-2024
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.	0.00	2.40	0.5	Not Attained
CO2 Utilize the thrust equation and engine cycle analysis for achieving the required performance	0.00	2.40	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	2.40	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	0.00	2.40	0.5	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: Additional materials were provided for gas turbine operating principles

CO2: Additional materials were provided for ideal cycle analysis

CO3: Digital contents were provided for the better understanding of concepts

CO4: Additional materials were provided for gas turbine combustion chamber

CO5: Digital contents were provided for the better understanding of concepts

CO6: Additional materials were provided for ramjet design requirements


Course Coordinator


Mentor


Head of the Department

Head of the Department
Aeronautical Engineering
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