



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

## AERONAUTICAL ENGINEERING

### ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of the faculty:	<b>Mr. U Shiva Prasad</b>	Department:	<b>Aeronautical Engineering</b>
Regulation:	<b>IARE - R16</b>	Batch:	<b>2016 - 2020</b>
Course Name:	<b>Aircraft Propulsion</b>	Course Code:	<b>AAE007</b>
Semester:	<b>V</b>	Target Value:	<b>50% (1.8)</b>

#### 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	2.7	2.6	2.7	Attainment target reached
CO 2 Utilize the thrust equation and engine cycle analysis for achieving the required performance.	2.7	2.7	2.7	Attainment target reached
CO 3 Apply the suitable inlets, and nozzles based on Mach number and thrust produced for the optimization of engine performance.	3.0	2.6	2.9	Attainment target reached
CO 4 Compare the types of combustion chambers used in gas turbine engines based on working principles for better performance.	2.3	2.6	2.4	Attainment target reached
CO 5 Make use of the performance characteristics and efficiencies of compressors and turbines for identifying a suitable combination in propulsion systems.	2.7	2.6	2.7	Attainment target reached
CO 6 Identify the critical parameters of ramjet engine based on mission requirements for /producing developing optimized design.	1.6	2.6	1.8	Attainment target reached

#### Action taken report:

*U Shiva Prasad*

Course Coordinator

*U Shiva Prasad*

Mentor

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