



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

MECHANICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of the faculty:	Mr. M Vijaya Kumar	Department:	ME
Regulation:	IARE - R16	Batch:	2017 - 2021
Course Name:	Aerospace Propulsion and Combustion	Course Code:	AAE551
Semester:	VI	Target Value:	60% (1.8)


Attainment of COs:

	Course Outcome	Direct attainment	Indirect attainment	Overall attainment	Observation
CO1	Identify the propulsive requirement of aircraft with reference to the MTOWL for selecting appropriate power plant	3.00	2.40	2.9	Attainment target reached
CO2	Make use of blade element and momentum theories for deducting the propeller geometry in thrust specific applications	2.00	2.40	2.1	Attainment target reached
CO3	Select appropriate subsonic and supersonic inlets and nozzles for measuring maximum thrust output in jet engines	3.00	2.40	2.9	Attainment target reached
CO4	Organize different types of combustors for choosing the type for specified power plant applications	2.30	2.40	2.3	Attainment target reached
CO5	Dissect the chemical kinetics theory for appraising the thermodynamics of reacting systems	3.00	0.00	2.4	Attainment target reached
CO6	Utilize the premix and diffusion flame theories for deciding the combustion process in the flaming combustor	2.30	0.00	1.8	Attainment target reached

Action taken report: In this course, all the CO's are attained. So no need to take corrective actions.


Course Coordinator


Mentor


Head of the Department
Mechanical Engineering
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