



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. PRASANTA KUMAR MOHANTA	Department:	Aeronautical Engineering
Regulation:	IARE - R18	Batch:	2019-2023
Course Name:	ENGINEERING THERMODYNAMICS	Course Code:	AAEB02
Semester:	III	Target Value:	60% (1.8)

Attainment of COs:

Course Outcome	Direct attainment	Indirect attainment	Overall attainment	Observation
CO1 Interpret the thermodynamic processes and energy conversions in physical systems based on fundamental laws of thermodynamics for identifying the significance of energy.	1.60	2.10	1.7	Not Attained
CO2 Make use of heat to work conversion and thermodynamic direction laws involved in heat engines and heat pumps for deriving their efficiency and coefficient of performance.	0.90	2.10	1.1	Not Attained
CO3 Utilize thermodynamic laws and entropy to describe the properties of pure substances and mixtures of perfect gases for examining the unavailability in any given system.	3.00	2.10	2.8	Attained
CO4 Choose the properties of refrigerants and practicing of psychrometric charts for solving the complex problems of refrigeration and air conditioning.	0.90	2.10	1.1	Not Attained
CO5 Illustrate the working principles of air standard cycles and its performance characteristics for recognizing the suitable engines in aeronautical and automobile applications.	2.30	2.10	2.3	Attained
CO6 Summarize the basics of heat transfer, working principle of gas compressors and heat exchangers for relating their applications in aerospace engineering.	0.90	0.00	0.7	Not Attained

Action Taken:

CO1: Digital content is given to enhance the knowledge

CO2: Extra inputs are given to enhance the knowledge

CO4: Digital content is given to enhance the knowledge

CO6: Additional reading materials are provided.

Course Coordinator

Mentor

Head of the Department

Aeronautical Engineering

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