AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. YAGYA DUTTA DWIVEDI	Department:	Aeronautical Engineering
Regulation:	IARE - R20	Batch:	2021-2025
Course Name:	Engineering Thermodynamics	Course Code:	AAEC02
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.	1.70	2.20	1.8	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.	1.30	2.20	1.5	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.	2.30	2.20	2.3	Attained
CO4	Choose the properties of refrigerants and practicing of psychrometric charts for solving the complex problems of refrigeration and air conditioning.	1.60	2.20	1.7	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	2.20	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.	1.30	2.20	1.5	Not Attained

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

CO2: Additional assignments are to be provided.

CO4: Digital content to be in introduced for better understanding of concepts.

CO6: Additional Assignments are to be provided.

Course Coordinator　　　　　　　**Mentor**　　　　　　　**Head of the Department**