



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

MECHANICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. CHVKNSN Moorthy	Department:	ME
Regulation:	IARE - R16	Batch:	2017 - 2021
Course Name:	Refrigeration and Air conditioning	Course Code:	AME017
Semester:	VII	Target Value:	60% (1.8)

Attainment of COs:

Course Outcome		Direct attainment	Indirect attainment	Overall attainment	Observation
CO1	Identify the modifications required in an impossible reversed Carnot cycle to convert it into practical cycle for refrigeration applications.	0.60	2.40	1	Attainment target not reached
CO2	Illustrate the working principles, limitations of various refrigeration systems like practical aqua ammonia, LiBr-Water and Electrolux vapour absorption refrigeration systems.	0.30	2.40	0.7	Attainment target not reached
CO3	Classify the equipment used for the refrigeration, air conditioning purposes with suitable materials and refrigerant pairs.	1.60	2.40	1.8	Attainment target reached
CO4	Construct the sensible heat factor lines, locate alignment circle and SHF scale on a psychrometric chart for the cooling load calculations of refrigeration systems.	2.00	2.40	2.1	Attainment target reached
CO5	Explain thermal comfort conditions with respect to effective temperature, relative humidity, and their impact on human comfort, productivity and health.	0.60	2.40	1	Attainment target not reached
CO6	Classify the equipment required for air conditioning systems, study for operating principles, safety controls employed in air conditioning systems.	0.00	2.40	0.5	Attainment target not reached

Action taken report:

CO1: Additional Tutorial hours required to be discussed in reversed Carnot cycle to convert it into practical cycle.


CO2: More assignments have to be solved in different types of Brakes

CO5: More exercise has to be given in various refrigeration systems

CO6: More practice required to explain study for operating principles, safety controls employed in air conditioning

Course Coordinator


Mentor


Head of the Department
Mechanical Engineering
HOD
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