



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad-500043
MECHANICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME-ACTION TAKEN REPORT

Name of the faculty:	MS N. Santhisree	Department:	ME
Regulation:	IARE-R16	Batch:	2016 -2020
Course Name:	Thermodynamics	Course Code:	AME003
Semester:	III	Target Value:	60% (1.8)

Attainment of COs:

Course Outcome		Direct attainment	Indirect attainment	Overall attainment	Observation
CO1	Recall the basic concepts of thermodynamic properties and working principles of energy conversions in physical systems by laws of thermodynamics.	0.90	1.90	1.1	Attainment target not reached
CO2	Outline the equivalence of two statements of second law of thermodynamics and the entropy concepts for typical engineering problems.	1.60	1.90	1.7	Attainment target not reached
CO3	Interpret the properties of pure substances and steam to emit relevant inlet and exit conditions of thermodynamic work bearing systems.	0.90	2.40	1.2	Attainment target not reached
CO4	Apply the significance of partial pressure and temperature to table the performance parameters of ideal gas mixtures.	2.30	1.90	2.2	Attainment target reached
CO5	Identify the properties of air conditioning systems by practicing psychrometry chart and property tables.	2.30	1.80	2.2	Attainment target reached
CO6	Illustrate the working of various air standard cycles and work out to get the performance characteristics.	2.00	2.40	2.1	Attainment target reached

1.75

Action taken report:


CO1: Additional tutorial hours required to practice principles of energy conversions in physical systems by laws of thermodynamics.

CO2: More problems to be solved in second law of thermodynamics and the entropy concepts.

CO3: More assignments have to be solved in pure substances and steam to emit relevant inlet and exit conditions


Course Coordinator


Mentor


Head of the Department
Mechanical Engineering
HOD
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