INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

MECHANICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of the faculty:	**Dr. N Santhisree**	Department:	**ME**
Regulation:	**IARE - R16**	Batch:	**2017 - 2021**
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	2.70	1.3	Attainment target not reached
CO2	Outline the equivalence of two statements of second law of thermodynamics and the entropy concepts for typical engineering problems.	0.90	2.70	1.3	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	2.70	1.3	Attainment target not reached
CO4	Apply the significance of partial pressure and temperature to table the performance parameters of ideal gas mixtures.	0.90	2.70	1.3	Attainment target not reached
CO5	Identify the properties of air conditioning systems by practicing psychrometry chart and property tables.	0.90	2.70	1.3	Attainment target not reached
CO6	Illustrate the working of various air standard cycles and work out to get the performance characteristics.	2.30	2.70	2.4	Attainment target reached

Action taken report:

CO1: Additional Tutorial hours required to be conducted to solve more problems in laws of thermodynamics

CO2: More assignments have to be solved in entropy concepts for typical engineering problems.

CO3: Extra tutorial hours essential to discuss properties of pure substances and steam problems.

CO4: More exercise has to be given for performance parameters of ideal gas mixtures problems.

CO5: Additional tutorial hours required to solve various air standard cycles and their performance characteristics.

Course Coordinator **Mentor** **HOD**

Head of the Department
Mechanical Engineering
INSTITUTE OF AERONAUTICAL ENGINEERING
Dundigal, Hyderabad - 500 043