



**INSTITUTE OF AERONAUTICAL ENGINEERING**  
(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

**MECHANICAL ENGINEERING**

**ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT**

Name of the faculty:	<b>Dr. VVS HARNADH PRASAD</b>	Department:	<b>Mechanical Engineering</b>
Regulation:	<b>IARE - R20</b>	Batch:	<b>2021-2025</b>
Course Name:	<b>Thermodynamics</b>	Course Code:	<b>AMEC06</b>
Semester:	<b>III</b>	Target Value:	<b>60% (1.8)</b>

**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.	0.70	2.00	1	Not Attained
CO2 Summarize the equivalence of two statements of second law of thermodynamics and the entropy concepts for typical engineering problems.	0.60	2.00	0.9	Not Attained
CO3 Explain the properties of pure substances and steam to emit relevant inlet and exit conditions of thermodynamic work bearing systems.	0.90	2.10	1.1	Not Attained
CO4 Apply the significance of partial pressure and temperature to table the performance parameters of ideal gas mixtures.	1.60	2.00	1.7	Not Attained
CO5 Identify the properties of air conditioning systems by practicing psychrometry chart and property tables.	2.30	2.10	2.3	Attained
CO6 Illustrate the working of various air standard cycles and work out to get the performance characteristics.	1.60	2.10	1.7	Not Attained

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

- CO1: More assignments to be given on basic concepts of thermodynamic properties and laws of thermodynamics
- CO2: More problems to be solved on second law of thermodynamics and the entropy concept.
- CO3: More assignments are to be given on finding properties of steam in thermodynamic work bearing systems.
- CO4: More tutorials to be conducted on performance of ideal gas mixtures.
- CO6: More tutorial to be conducted on working and analysis of air standard cycles.

Course Coordinator

Mentor

Head of the Department  
Head of the Department  
Mechanical Engineering  
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