



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

MECHANICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty: **Mr. M SUNIL KUMAR** Department: **Mechanical Engineering**
Regulation: **IARE - UG20** Batch: **2022-2026**
Course Name: **Applied Thermodynamics** Course Code: **AMEC13**
Semester: **IV** Target Value: **60% (1.8)**

Attainment of COs:

	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Classify the fuel injection and ignition system to pretend the application of combustion chamber types such as T-head and overhead.	2.30	2.30	2.3	Attained
CO2	select normal and abnormal combustion which affects the importance of flame front and flame propagation and knocking of engine variables	1.60	2.30	1.7	Not Attained
CO3	Experiment with the testing and performance of an Internal combustion engine such as fuel consumption, power, efficiencies, and heat balance sheet	2.30	2.30	2.3	Attained
CO4	Explain the principle of operation related to the working of fan, blowers and compressors and their applications in industries/ factories and how do they differ with each other	2.30	2.20	2.3	Attained
CO5	Solve numerically related to the performance of all the variations in the velocity triangles pretended to single and multi-stage air compressors with industrial applications	0.90	2.20	1.2	Not Attained
CO6	Outline the basic concepts of refrigeration and vapor compression refrigeration systems with superheating and sub cooling to find out COP of refrigeration	0.90	2.30	1.2	Not Attained

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


CO2: Assignment to be given on normal and abnormal combustion and knocking of engine variables

CO5: Tutorials to be conducted on performance of single and multi-stage air compressors

CO6: More problems to be solved on COP of refrigeration.


Course Coordinator


Mentor


Head of the Department
Head of the Department
Mechanical Engineering
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