



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:	Applied Thermodynamics	Course Code:	AME007
Semester:	IV	Target Value:	60% (1.8)


Attainment of COs:

	Course Outcome	Direct attainment	Indirect attainment	Overall attainment	Observation
CO1	Classify the basic components of an IC Engine and the working of a 2-stroke and 4- Stroke engines relate to Gasoline and diesel fuels.	3.00	2.50	2.9	Attainment target reached
CO2	Select normal and abnormal combustion which affects the importance of flame front and flame propagation and knocking of engine variables.	2.00	2.50	2.1	Attainment target reached
CO3	Experiment with the testing and performance of an Internal combustion engine such as fuel consumption, power, efficiencies, and heat balance sheet.	2.30	2.50	2.3	Attainment target reached
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	2.50	2.3	Attainment target reached
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.	2.30	2.10	2.3	Attainment target reached
CO6	Outline the basic concepts of refrigeration and vapor compression refrigeration systems with superheating and sub cooling to find out COP of refrigeration.	2.00	2.10	2	Attainment target reached

Action taken report: In this course, all the CO's are attained. So no need to take corrective actions.

Course Coordinator


Mentor


Head of the Department,
Mechanical Engineering
HOD
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