



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad-500043

MECHANICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME-ACTION TAKEN REPORT

Name of the faculty:	Dr P. Srinivasa Rao	Department:	ME
Regulation:	IARE-R16	Batch:	2016 -2020
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	2.70	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.	1.60	2.70	1.8	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.	2.00	2.60	2.1	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.	1.70	2.60	1.9	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.	0.90	1.80	1.1	Attainment target not reached
CO6 Outline the basic concepts of refrigeration and vapor compression refrigeration systems with superheating and sub cooling to find out COP of refrigeration.	2.30	2.20	2.3 2.01	Attainment target reached

Action taken report:

CO5 : Additional Tutorial hours required to be conducted to solve more problems in velocity triangle diagrams


Course Coordinator


Mentor


Head of the Department
Mechanical Engineering
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