



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

MECHANICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Mr. G ARAVIND REDDY	Department:	Mechanical Engineering
Regulation:	IARE - R18	Batch:	2019-2023
Course Name:	APPLIED THERMODYNAMICS - I	Course Code:	AMEB09
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.	1.60	2.20	1.7	Not Attained
CO2	select normal and abnormal combustion which affects the importance of flame front and flame propagation and knocking of engine variables	0.90	2.20	1.2	Not Attained
CO3	Experiment with the testing and performance of an Internal combustion engine such as fuel consumption, power, efficiencies, and heat balance sheet.	0.90	2.10	1.1	Not 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.	0.90	2.10	1.1	Not 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	2.20	1.2	Not Attained

Action Taken:

CO1: More assignments to be given on classification of IC Engines based on fuel injection and ignition system.

CO2: More assignments to be given on combustion in IC Engines.

CO3: More tutorials to be conducted on finding the performance of an Internal combustion engine.

CO4: More industrial applications of fan, blowers and compressors to be given.

CO5: More tutorials to be conducted on the performance of single and multi-stage air compressors.

CO6: More tutorials to be given on working on various refrigeration systems.


Course Coordinator


Mentor


Head of the Department

Head of the Department
Mechanical Engineering
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