



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

## AERONAUTICAL ENGINEERING

### ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Mr. D ATCHUTA RAMACHARYULU	Department:	Aeronautical Engineering
Regulation:	IARE - UG20	Batch:	2021-2025
Course Name:	Elements of Mechanical Engineering	Course Code:	AMEC35
Semester:	VI	Target Value:	60% (1.8)

#### Attainment of COs:

Course Outcome		Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Define Gas laws, Boyle's law, Charle's law, gas constant, relation between Cp and Cv, various non-flow processes .like constant volume processes, constant pressure process, isothermal process, adiabatic process, polytropic process	2.30	2.30	2.3	Attained
CO2	Understand knowledge of formation of steam and use of steam table for identifying the various parameters at given conditions and apply to steam power plant.	2.30	2.30	2.3	Attained
CO3	Explain the working principle of Internal combustion engines and classification of 2-stroke engines and 4-stroke.	1.60	2.30	1.7	Not Attained
CO4	Demonstrate the working of pumps and air compressors and explain the refrigeration, types of refrigeration and air conditioning.	1.60	2.30	1.7	Not Attained
CO5	Illustrate the concepts various metals cutting machines for lathe describe various driving mechanisms of lathe.	0.90	2.40	1.2	Not Attained
CO6	Select engineering materials, their properties, manufacturing methods for encountered in engineering practice.	0.90	2.30	1.2	Not Attained

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

CO3: Digital content on the working principle of Internal combustion engines is to be provided.

CO4: Additional reading material on refrigeration and air conditioning is to be provided for better understanding.

CO5: Digital content for various driving mechanisms of the lathe is to be provided.

CO6: Additional reading materials for engineering materials and their properties are to be provided.

Course Coordinator

Mentor

Head of the Department

Aeronautical Engineering  
INSTITUTE OF AERONAUTICAL ENGINEERING  
Dundigal, Hyderabad - 500 043