



# INSTITUTE OF AERONAUTICAL ENGINEERING (Autonomous)

Dundigal, Hyderabad - 500043, Telangana

## MECHANICAL ENGINEERING

### ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Mr. S SRIKRISHNAN	Department:	Mechanical Engineering
Regulation:	IARE - R18	Batch:	2018-2022
Course Name:	Applied Thermodynamics-II	Course Code:	AMEB18
Semester:	V	Target Value:	60% (1.8)

#### Attainment of COs:

Course Outcome	Direct attainment	Indirect attainment	Overall attainment	Observation
CO1 Recall the thermodynamic processes, working and analyses of combustion, vapor power cycles for electrical and mechanical power.	1.40	2.40	1.6	Not Attained
CO2 Interpret various concepts, principles of operation, theories and phenomena related to the boilers and nozzles.	0.00	2.40	0.5	Not Attained
CO3 Develop the performance parameters of the steam turbine and reaction turbine for maximum efficiency, thermodynamic analysis of a stage, degree of reaction, velocity diagram.	2.00	2.40	2.1	Attained
CO4 Demonstrate the principles of operation, classification, working, accessories and mountings of various steam generators and condensers.	1.30	2.40	1.5	Not Attained
CO5 Identify the working principles and analyses of combustion, gas power cycles for producing electrical and mechanical power.	0.00	2.30	0.5	Not Attained
CO6 Demonstrate the principles, methodologies and variations in the configurations of thermal gas turbomachinery and rocket propulsion based on the availability of resources.	1.40	2.40	1.6	Not Attained

#### Action Taken:

- CO1: Additional hours are required for thermodynamic processes, working and analyses of combustion,  
CO2: More Exercises are required for boilers and nozzles.  
CO4: Additional practices are required for various steam generators and condensers.  
CO5: More exercises are required for working principles and analyses of combustion, gas power cycles  
CO6: Additional hours are required for methodologies and variations in the configurations of thermal gas turbomachinery and rocket propulsion

Head of the Department

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