



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

MECHANICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. PRAVAT RANJAN PATI	Department:	Mechanical Engineering
Regulation:	IARE - R18	Batch:	2019-2023
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.	0.90	2.30	1.2	Not Attained
CO2	Interpret various concepts, principles of operation, theories and phenomena related to the boilers and nozzles.	0.90	2.30	1.2	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.	0.90	2.30	1.2	Not Attained
CO4	Demonstrate the principles of operation, classification, working, accessories and mountings of various steam generators and condensers.	0.90	2.30	1.2	Not Attained
CO5	Identify the working principles and analyses of combustion, gas power cycles for producing electrical and mechanical power.	0.60	2.30	0.9	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.	1.00	2.30	1.3	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.

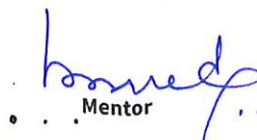
CO3: More tutorials to be conducted on performance parameters of the steam turbine and reaction turbine.

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.


Course Coordinator


Mentor


Head of the Department

Head of the Department
Mechanical Engineering
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