



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

MECHANICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Mr S Srikrishnan	Department:	ME
Regulation:	IARE - R16	Batch:	2017 - 2021
Course Name:	Thermal Engineering	Course Code:	AME013
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 producing electrical and mechanical power	1.60	2.50	1.8	Attainment target reached
CO2	Interpret various concepts, principles of operation, theories and phenomena related to the boilers and nozzles	0.90	2.50	1.2	Attainment target not reached
CO3	Execute 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	2.50	1.2	Attainment target not reached
CO4	Describe the principles of operation, classification, working, accessories and mountings of various steam generators and condensers.	0.90	2.50	1.2	Attainment target not reached
CO5	Apply the working principles and analyses of combustion, gas power cycles for producing electrical and mechanical power.	0.90	2.10	1.1	Attainment target not reached
CO6	Discuss the principles, methodologies and variations in the configurations of thermal gas turbomachinery and rocket propulsion based on the availability of resources.	1.60	2.10	1.7	Attainment target not reached

Action taken report:

- CO2: Extra tutorial hours essential to solve the boilers and nozzles problems.
- CO3: Additional practice hours required for construct velocity diagram.
- CO4: More assignments may be given on steam generators and condensers.
- CO5: More practice required to solve analyses of combustion problems.
- CO6: More exercise has to be given for configurations of thermal gas turbomachinery topic.


Course Coordinator


Mentor


Head of the HOD Department
Mechanical Engineering
INSTITUTE OF AERONAUTICAL ENGINEERING
Dundigal, Hyderabad - 500 043