



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

MECHANICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Mr. R SRINIVAS	Department:	Mechanical Engineering
Regulation:	IARE - UG20	Batch:	2021-2025
Course Name:	Power Plant Engineering	Course Code:	AMEC53
Semester:	VIII	Target Value:	60% (1.8)

Attainment of COs:

Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1 Explain the economics involved in power plants and identify the factors related to selection of plant	0.90	2.30	1.2	Not Attained
CO2 Discuss the various components of steam power plants and factors influencing the site selection for the plant	0.60	2.30	0.9	Not Attained
CO3 Illustrate the working principle and basic components of the nuclear power plant and the economic safety principles involved with it	1.60	2.40	1.8	Attained
CO4 Analyze different types of sources and mathematical expression related thermodynamics and various factors involved with power plant operations.	3.00	2.40	2.9	Attained
CO5 Identify power generation from renewable/ alternate fuels and heat sources such as bio fuels, geothermal and solar thermal power plant for alternative power generations sources	0.90	2.30	1.2	Not Attained
CO6 Explain the control methods of major pollutant emitted from fossil fuels which impact on air quality, climate change water and land	2.30	2.30	2.3	Attained

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

CO1: To explain the economics involved in power plants and identify the factors related to selection of plant

CO2: To discuss the various components of steam power plants and factors influencing the site selection for the plant

CO5: To identify power generation from renewable/ alternate fuels and heat sources such as bio fuels, geothermal and solar thermal power plant for alternative power generations sources


Course Coordinator


Mentor


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