INSTITUTE OF AERONAUTICAL ENGINEERING
(Autonomous)
Dundigal, Hyderabad - 500043, Telangana

MECHANICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Mr. G SATYANARAYANA	Department:	Mechanical Engineering
Regulation:	IARE - R20	Batch:	2022-2026
Course Name:	Probability and Statistics	Course Code:	AHSC08
Semester:	III	Target Value:	60% (1.8)

Attainment of COs:

	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Explain the role of random variables and types of random variables, expected values of the discrete and continuous random variables under randomized probabilistic conditions.	1.30	2.40	1.5	Not Attained
CO2	Interpret the parameters of random variate Probability distributions such as Binomial, Poisson and Normal distribution by using their probability functions, expectation and variance.	0.60	2.40	1	Not Attained
CO3	Apply Bivariate Regression as well as Correlation Analysis for statistical forecasting.	3.00	2.40	2.9	Attained
CO4	Make Use of estimation statistics in computing confidence intervals, Regression analysis and hypothesis testing.	0.60	2.40	1	Not Attained
CO5	Identify the role of statistical hypotheses, types of errors, confidence intervals, the tests of hypotheses for large sample in making decisions over statistical claims in hypothesis testing	2.40	2.40	2.4	Attained
CO6	Identify the tests of hypothesis for small sample in making decisions over statistical claims in hypothesis testing	0.60	2.40	1	Not Attained

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

CO1: Students will be made to practice more problems and assignments on random variables and distribution

CO2: Students will be made to practice more problems and assignments on Probability distribution

CO4: Students will be made to practice more problems and assignments on Regression analysis and hypothesis testing

CO6: Students will be made to practice more problems and assignments on the tests of hypothesis for small sample testing

Course Coordinator   Mentor   Head of the Department

INSTITUTE OF AERONAUTICAL ENGINEERING
Dundigal, Hyderabad - 500 043