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

AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	**Dr. P SRILATHA**	Department:	**Aeronautical Engineering**
Regulation:	**IARE - BT23**	Batch:	**2023-2027**
Course Name:	**Probability and Statistics**	Course Code:	**AHSD11**
Semester:	**III**	Target Value:	**60% (1.8)**

Attainment of COs:

	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Explain the axioms of the probability, conditional probability and by using these concepts, establish the elementary theorems on probability. Explain the role of Bayes theorem in solving the typical uncertain problems in probability	0.80	2.30	1.1	Not Attained
CO2	Explain the role of random variables and types of random variables, expected values of the discrete and continuous random variables under randomized probabilistic conditions.	1.20	2.30	1.4	Not Attained
CO3	Interpret the parameters of random variate Probability distributions such as Binomial, Poisson and Normal distribution by using their probability functions, expectation and variance.	1.20	2.30	1.4	Not Attained
CO4	Apply Bivariate Regression as well as Correlation Analysis for statistical forecasting.	1.20	2.30	1.4	Not Attained
CO5	Identify the role of statistical hypotheses, types of errors, confidence intervals, the tests of hypotheses for large samples in making decisions over statistical claims in hypothesis testing	0.80	2.30	1.1	Not Attained
CO6	Identify the tests of hypothesis for small samples in making decisions over statistical claims in hypothesis testing	0.80	2.30	1.1	Not Attained

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

CO1: Additional reading material on probability, conditional probability and Bayes theorem are to be given.
CO2: Students will be made to practice more problems and assignments on random variables .
CO3: Additional problems on probability distributions are to be provided for better understanding.
CO4: Digital content is given to enhance the knowledge on Regression and Correlation Analysis
CO5: Extra inputs are given to enhance the knowledge of the tests of hypotheses for large samples.
CO6: Providing more information and assignments on concepts of the tests of hypothesis for small samples.

Course Coordinator

Mentor

Head of the Department

Head Of Department
Aeronautical Engineering
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