INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

CIVIL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	**Mr. CH CHAITANYA**	Department:	**Civil Engineering**
Regulation:	**IARE - R20**	Batch:	**2020-2024**
Course Name:	**Probability and Statistics**	Course Code:	**AHSC08**
Semester:	**IV**	Target Value:	**60% (1.8)**

Attainment of COs:

	Course Outcome	Direct attaiment	Indirect attaiment	Overall attaiment	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.	0.90	2.50	1.2	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	2.50	1	Not Attained
CO3	Apply Bivariate Regression as well as Correlation Analysis for statistical forecasting.	0.90	2.50	1.2	Not Attained
CO4	Make Use of estimation statistics in computing confidence intervals, Regression analysis and hypothesis testing.	0.90	2.50	1.2	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	1.60	2.50	1.8	Attained
CO6	Identify the tests of hypothesis for small sample in making decisions over statistical claims in hypothesis testing	0.90	2.50	1.2	Not Attained

Action Taken:

CO1: Providing more information and assignments on the role of random variables and types of random variables, expected values of the discrete and continuous random variables under randomized probabilistic conditions.

CO2: Giving assignments and conducting tutorials on Interpreting the parameters of random variate Probability distributions such as Binomial, Poisson, and Normal distribution by using their probability functions, expectation, and variance.

CO3: Providing more information and assignments on Apply Bivariate Regression as well as Correlation Analysis for statistical forecasting.

CO4: Additional inputs will be provided on Make Use of estimation statistics in computing confidence intervals, Regression analysis and hypothesis testing.

CO6: Need to provide more problems and assignments on identifying the tests of hypothesis for small sample in making decisions over statistical claims in hypothesis testing

Course Coordinator

Mentor

Head of the Department
Head of the Department
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