



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. S JAGADHA	Department:	Aeronautical Engineering
Regulation:	IARE - R20	Batch:	2020-2024
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.	0.90	2.30	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.	0.90	2.30	1.2	Not Attained
CO3 Apply Bivariate Regression as well as Correlation Analysis for statistical forecasting.	1.60	2.30	1.7	Not Attained
CO4 Make Use of estimation statistics in computing confidence intervals, Regression analysis and hypothesis testing.	1.60	2.30	1.7	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	0.90	2.30	1.2	Not Attained
CO6 Identify the tests of hypothesis for small sample in making decisions over statistical claims in hypothesis testing	1.60	2.30	1.7	Not Attained

Action Taken:

CO1: Additional reading materials are provided on random variables.

CO2: Additional Assignments are given on probability distributions.

CO3: Additional Assignments are given on statistical forecasting.


CO4: Additional Assignments are given on estimation statistics on hypothesis testing.

CO5: Additional Assignments are given for hypothesis testing.

CO6: Additional Assignments are given on identification of tests.


Course Coordinator


Mentor


Head of the Department
Head of the Department
Aeronautical Engineering
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