



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

MECHANICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Ms. B PRAVEENA	Department:	Mechanical Engineering
Regulation:	IARE - R18	Batch:	2018-2022
Course Name:	PROBABILITY AND STATISTICS	Course Code:	AHSB12
Semester:	III	Target Value:	60% (1.8)

Attainment of COs:

Course Outcome	Direct attainment	Indirect attainment	Overall attainment	Observation
CO1 Explain the concepts of Baye's theorem, discrete and continuous random variables under randomized probabilistic conditions.	0.60	2.40	1	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.	1.00	2.50	1.3	Not Attained
CO3 Apply Bivariate Regression as well as Correlation Analysis for statistical forecasting.	2.40	2.40	2.4	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	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	0.30	2.40	0.7	Not Attained

Action Taken:

CO1: More problems may be solved on the concepts of Bayes theorem, discrete and continuous random variables.

CO2: More problems may be solved on Binomial, Poisson and Normal distribution.

CO4: More assignments may be given on regression analysis and hypothesis testing.

CO6: More applications may be given on making decisions over statistical claims in hypothesis testing.


Course Coordinator


Head of the Department


Head of the Department

Head of the Department
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