



MECHANICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. S JAGADHA	Department:	Mechanical Engineering
Regulation:	IARE - R18	Batch:	2019-2023
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	2.20	0.9	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.	2.30	2.20	2.3	Attained
CO3 Apply Bivariate Regression as well as Correlation Analysis for statistical forecasting.	0.90	2.20	1.2	Not Attained
CO4 Make Use of estimation statistics in computing confidence intervals, Regression analysis and hypothesis testing.	1.60	2.20	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	3.00	2.30	2.9	Attained
CO6 Identify the tests of hypothesis for small sample in making decisions over statistical claims in hypothesis testing	3.00	2.30	2.9	Attained

Action Taken:

- CO1: More problems may be solved on the concepts of Bayes theorem, discrete and continuous random variables.
CO3: More problems to be solved on Regression and Correlation Analysis
CO4: More assignments may be given on regression analysis and hypothesis testing.


Course Coordinator


Mentor


Head of the Department

Head of the Department
Mechanical Engineering
INSTITUTE OF AERONAUTICAL ENGINEERING
Dundigal, Hyderabad - 500 043