



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

MECHANICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Mr. M VENKATA CHARY	Department:	Mechanical 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	1.60	2.30	1.7	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.	1.40	2.20	1.6	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.	1.80	2.30	1.9	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	3.00	2.30	2.9	Attained
CO6 Identify the tests of hypothesis for small samples in making decisions over statistical claims in hypothesis testing	2.40	2.30	2.4	Attained

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

CO1: Give more assignment problems on concepts, establish the elementary theorems on probability. Explain the role of Bayes theorem

CO2: Give more assignment problems on random variables, expected values of the discrete and continuous random variables under randomized probabilistic conditions.

CO4: Give more assignment problems on Regression as well as Correlation Analysis for statistical forecasting

Course Coordinator

Mentor

Head of the Department
Mechanical Engineering
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