



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad -500 043

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)

## ATTAINMENT OF COURSE OUTCOMES (COS) – ACTION PLAN

Name of the Faculty	Mr.G.Satya narayana	Department	CSE(DS)
Regulations	UG20	Batch	2020-2024
Course Name	Probability and Statistics	Course Code:	AHSC08
Semester	II	Target Value	70% (2.1 on 3 Scale)

### Attainment of COs:

Course Outcomes		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.	1.6	2.2	1.7	Target 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.	2.3	2.2	2.3	Target attained
CO3	Apply Bivariate Regression as well as Correlation Analysis for statistical forecasting.	1.6	2.2	1.7	Target not attained
CO4	Make Use of estimation statistics in computing confidence intervals, Regression analysis and hypothesis testing.	1.6	2.2	1.7	Target 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	1.6	2.1	1.7	Target not attained
CO6	Identify the tests of hypothesis for small sample in making decisions over statistical claims in hypothesis testing	2.3	2.1	2.3	Target attained

### Action taken report:

CO1: Knowing the concept of random variables the difference between discrete and continuous variables is required. For that in tutorial we will clarify the differences in better way and solve number of problems related to this.

CO3, CO4 & CO5: In tutorial we will clarify the formulas and implementation part in better way and solve number of related problems.

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