



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043  
MECHANICAL ENGINEERING

## ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of the faculty:	<b>Ms P. Srilatha</b>	Department:	<b>ME</b>
Regulation:	<b>IARE - R16</b>	Batch:	<b>2016 - 2020</b>
Course Name:	<b>Probability and Statistics</b>	Course Code:	<b>AHS010</b>
Semester:	<b>III</b>	Target Value:	<b>60% (1.8)</b>

### Attainment of COs:

Course Outcome		Direct attainment	Indirect attainment	Overall attainment	Observation
CO1	Explain the parameters of random variate Probability distributions including Binomial, Poisson and Normal distribution by using their probability functions, expectation and variance.	2.40	1.80	2.3	Attainment target reached
CO2	Interpret the concepts of discrete and continuous probability distribution, CLT problems, correlations and Regression Analysis for statistical forecasting.	0.00	2.20	0.4	Attainment target not reached
CO3	Make use of the concept of sampling distribution of statistical data by using behavior of the sample mean.	0.90	2.10	1.1	Attainment target not reached
CO4	Apply the concept of estimation in real-world problems of signal processing and testing of hypothesis to predict the significance difference, types of errors in the sample means.	2.70	2.10	2.6	Attainment target reached
CO5	Calculate the role of statistical hypotheses, confidence intervals, the tests of hypotheses for large samples in making decisions over statistical claims in hypothesis testing	2.70	2.20	2.6	Attainment target reached
CO6	Identify the tests of hypothesis for small samples and comparing three variables of ANOVA in making decisions over statistical claims in hypothesis testing	0.00	2.20	0.4	Attainment target not reached

1.56

### Action taken report:

CO2: More problems may be given for better understanding on the subject.

CO3: More problems to be solved using concept of sampling distribution of statistical data.

CO6: Practical and application problems may be included for better understanding on the subject.

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