# INSTITUTEOFAERONAUTICALENGINEERING

## (Autonomous)
### Dundigal,Hyderabad-500043

## INFORMATION TECHNOLOGY

### ATTAINMENT OF COURSE OUTCOME–ACTION TAKEN REPORT

| Name of the faculty: | L.Indira | Department: | IT |
|---|---|---|---|
| Regulation: | IARE-R16 | Batch: | 2016 -2020 |
| Course Name: | Probability and Statistics | Course Code: | AHS010 |
| Semester: | II-Semester | Target Value: | 60% (1.8) |

**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. | 1.8 | 2.7 | 1.8 | Attainment target is reached |
| CO2 | Interpret the concepts of discrete and continuous probability distribution, CLT problems, correlations and Regression Analysis for statistical forecasting. | 3 | 2.7 | 2.9 | Attainment target is reached |
| CO3 | Make use of the concept of sampling distribution of statistical data by using behavior of the sample mean. | 0.9 | 2.7 | 1.3 | Attainment target is not yet 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. | 0.9 | 2.7 | 1.3 | Attainment target is not yet 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 | 3 | 2.7 | 2.9 | Attainment target is 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 | 0.9 | 2.6 | 1.2 | Attainment target is not yet reached |

**Action taken report:** (To be filled by the concerned faculty/course coordinator):
CO 3: Need to conduct guest lectures on sampling distribution of statistical data.
CO 4: Delivering more lectures on signal processing and testing of hypothesis to predict the significance difference, types of errors in the sample means.
CO 6: Delivering more lectures on tests of hypothesis for small samples and comparing three variables of ANOVA in making decisions.

L. Indira
**Course Coordinator**

**Mentor**

**HOD**