# INSTITUTE OF AERONAUTICAL ENGINEERING
(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

## CIVIL ENGINEERING

### ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

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| Name of the faculty: | **Dr. G SRINIVASU** | Department: | **Civil Engineering** |
| Regulation: | IARE - UG20 | Batch: | 2022-2026 |
| Course Name: | **Probability and Statistics** | Course Code: | AHSC08 |
| Semester: | IV | Target Value: | 60% (1.8) |

**Attainment of COs:**

| | Course Outcome | 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. | 0.00 | 2.40 | 0.5 | 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. | 0.30 | 2.40 | 0.7 | Not Attained |
| CO3 | Apply Bivariate Regression as well as Correlation Analysis for statistical forecasting. | 0.00 | 2.40 | 0.5 | Not Attained |
| CO4 | Make Use of estimation statistics in computing confidence intervals, Regression analysis and hypothesis testing. | 0.00 | 2.40 | 0.5 | 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 | 0.30 | 2.50 | 0.7 | Not Attained |
| CO6 | Identify the tests of hypothesis for small sample in making decisions over statistical claims in hypothesis testing | 0.00 | 2.40 | 0.5 | Not Attained |

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

CO1: Students to given assignment problems on random variables, expected values of the discrete and continuous

CO2: Students to given assignment problems on Probability distributions such as Binomial, Poisson and Normal distribution

CO3: Students to given assignment problems on Bivariate Regression as well as Correlation Analysis for statistical forecasting.

CO4: Students to given assignment problems on Regression analysis and hypothesis testing.

CO5: Students to given assignment problems on the tests of hypotheses for large sample

CO6: Students to given assignment problems on tests of hypothesis for small sample

Course Coordinator

Mentor

Head of the Department
Head of the Department
INSTITUTE OF AERONAUTICAL ENGINEERIN
Dundigal, Hyderabad - 500 043.