



## COMPUTER SCIENCE AND ENGINEERING (CYBER SECURITY)

### ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	<b>Dr. PARASA NAGALAKSHMI DEVI</b>	Department:	<b>Computer Science and Engineering (Cyber Security)</b>
Regulation:	<b>IARE - R20</b>	Batch:	<b>2022-2026</b>
Course Name:	<b>Probability and Statistics</b>	Course Code:	<b>AHSC08</b>
Semester:	<b>II</b>	Target Value:	<b>60% (1.8)</b>

**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.	2.30	2.30	2.3	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.	0.60	2.30	0.9	Not Attained
CO3 Apply Bivariate Regression as well as Correlation Analysis for statistical forecasting.	3.00	2.30	2.9	Attained
CO4 Make Use of estimation statistics in computing confidence intervals, Regression analysis and hypothesis testing.	3.00	2.30	2.9	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	3.00	2.30	2.9	Attained
CO6 Identify the tests of hypothesis for small sample in making decisions over statistical claims in hypothesis testing	3.00	2.30	2.9	Attained

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

CO2: Students will be made to practice more problems and assignments on Probability distribution

*P. Nagalakshmi Devi*  
Course Coordinator

*P. Nagalakshmi Devi*  
Mentor

*[Signature]*  
Head of the Department  
**Head of the Department**  
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