



## MECHANICAL ENGINEERING

### ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. P SRILATHA	Department:	Mechanical Engineering
Regulation:	IARE - R20	Batch:	2020-2024
Course Name:	Probability and Statistics	Course Code:	AHSC08
Semester:	III	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.	0.90	2.50	1.2	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.	0.90	2.50	1.2	Not Attained
CO3 Apply Bivariate Regression as well as Correlation Analysis for statistical forecasting.	1.60	2.40	1.8	Attained
CO4 Make Use of estimation statistics in computing confidence intervals, Regression analysis and hypothesis testing.	1.60	2.50	1.8	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	0.90	2.50	1.2	Not Attained
CO6 Identify the tests of hypothesis for small sample in making decisions over statistical claims in hypothesis testing	1.60	2.40	1.8	Attained

#### Action Taken:

CO1: More examples may be given on discrete and continuous random variables under randomized probabilistic conditions.

CO2: More problems may be solved on Binomial, Poisson and Normal distribution.

CO5: More examples may be given on the role of statistical hypotheses, types of errors, confidence intervals, the tests of hypotheses for a large sample.

  
Course Coordinator

  
Mentor

  
Head of the Department

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