

### **Programme Specific Outcome (PSO):-**

**PSO1:** Students will be able to understand the basic concepts, importance, and scope of statistics.

**PSO2:** Students will be able to identify different types of characteristics, types of data collection and methods of sampling.

**PSO3:** Students will be able to apply the concept of raw moments and central moments in solving problems.

**PSO4:** Students will be able to apply fundamental concepts of sample space and related events.

**PSO5:** Students will be able to understand the basic concept of probability and different approaches.

**PSO6:** Students will be able to solve numerical problems in conditional probability and independence.

**PSO7:** Students will be able to identify and apply different types of standard discrete probability distributions.

**PSO8:** Students will be able to understand the concept of correlation and their properties.

**PSO9:** Students will be able to apply the concept of linear regression model.

**PSO10:** Students will be able to identify interrelations among different probability distributions.

**PSO11:** Students will be able to understand the need for bivariate random variables.

**PSO12:** Students will be able to apply different types of distributions and understand the model sampling method and index number.