

## *Program Specific Outcome*

### *Programme: B.Sc. (Statistics)*

After completion of B.Sc. Statistics program the student will be able to:

**PSO-1:** Acquire core knowledge of the basic concepts of statistics including the major areas of probability theory, probability distributions, distribution theory, statistical inference, survey sampling, designs of experiments, applied statistics, mathematical methods, non- parametric inference and operations research.

**PSO-2:** Practical exercises done will enable students to analyze and interpret data and also to draw valid conclusions. This will enable students to face real time applications.

**PSO-3:** Understand the applications of Statistics concept in other disciplines such as mathematics, physics, management, economics, etc.

**PSO-4:** Apply the concepts of applied statistics, Probability theory, Operations Research, Time Series, Designs of Experiment, etc. in real life problems.

**PSO-5:** Student is equipped with statistical modeling ability, problem solving skills, creative talent and power of communication necessary for various kinds of employment.

**PSO-6:** Provides a platform for pursuing higher studies leading to Post Graduate.

### *Programme: M.Sc. (Statistics)*

After completion of M.Sc. Statistics program the student will be able to:

**PSO-1:** Develop stochastic models for studying real life phenomenon in diverse disciplines.

**PSO-2:** Efficiently interpret and translate the outcomes obtained from analysis of stochastic models to an environment understandable to a layman.

**PSO-3:** Effectively use necessary statistical software and computing environment including R, MS-EXCEL among others

**PSO-4:** Apply statistical techniques to optimize and monitor real life phenomena related to industry and business analytics etc.