

Programme outcome- Department of Statistics

In modern times, statistics is viewed not as mere device for collecting numerical data but as means of developing sound techniques for their handling, analysis and drawing valid inferences from them. It finds wide applications into various diversified spheres of life-social as well as physical –such as biology, psychology, education, economics, business management, etc.

The students who study statistics will find wide application of statistics in different fields such as –

1. Statistics and planning: statistics are indispensable to planning.
2. In astronomy, the theory of Gaussians 'Normal law & Errors' for the study of stars and planets is developed by using 'the principle of least squares'.
3. In medical science, the statistical tools for the collection, presentation and analysis of observed facts relating to causes and incidence of diseases and the results obtained from the use of various drugs and medicines, are of great importance.
4. Statistics, Psychology and Education – in education and psychology, statistics has found wide application, e.g., to determine the reliability and validation of a test, factor analysis, etc., so much so that a new subject called 'psychometric' has come into existence.
5. Statistics and war- in war, the theory of 'Decision functions' may be of great assistance to military and technical personnel to plan 'maximum destruction with minimum effort.