

Program Outcome

Developing basic knowledge of different types of data and different types of presentation of data. Students will acquire knowledge basic skills of exploratory data analysis and predictive analysis. On successful completion of any program offered by the department of statistics students will get introduced to the basic knowledge of statistical inference.

Program Specific Outcome

Programs Offered by Department of Statistics	Outcome
Generic Electives in Statistics	Developing basic knowledge of presentation of data and exploratory data analysis. Students will be introduced to the basic knowledge of Predictive analysis and Probability models. Developing basic knowledge of Statistical inference.
B.Sc. Program in Statistics	Developing basic sense of exploratory data analysis. Ensuring basic knowledge of Predictive analysis. Developing basic knowledge of Statistical inference. On successful completion of the program students will acquire basic skill to apply ANOVA, Time Series models and SQC to real life data.

Course Outcome

Course offered by the Department of Statistics	Topics covered in the course	Outcome
Generic Electives in Statistics	Descriptive Statistics and bivariate data analysis.	Developing the basic skill required for data presentation and exploratory data analysis. On the completion of this course students will get the basic knowledge of correlation and regression.
	Probability and Random Variables	Developing basic understanding of probability, sample space and random events.
	Statistical Inference	Developing basic skills of estimation of the parameters and hypothesis testing.
	Time series Analysis	Developing basic understanding of time series data analysis of time series data.
B.Sc. Program in Statistics	Descriptive Statistics and bivariate data analysis.	Developing the basic skill required for data presentation and exploratory data analysis. On the completion of this course

		students will get the basic knowledge of correlation and regression.
	Probability and Random Variables	Developing basic understanding of probability, sample space and random events.
	Statistical Inference	Developing basic skills of estimation of the parameters and hypothesis testing.
	Time series Analysis	Developing basic understanding of time series data analysis of time series data.
	SQC	Developing basic knowledge of Statistical Quality Control, different kind of Control Charts, Control limits etc.
	ANOVA and Design of Experiment	Developing basic knowledge of model fitting, Chi-square test, F-test, t-test regarding real life experiments.
	Sample Survey	Developing basic understanding of simple random sampling methods.