

Department of Statistics

The seed of the Department of Statistics was sown in 2014 when Statistics was introduced as a special paper at the graduate level, realizing its widespread applications and importance. The education imparted in statistics is aimed to inculcate statistical thinking in young minds for better future planning and welfare of society and to contribute to society through excellence in statistical education and research. The department aims to train students in the development and application of statistical techniques for analyzing data arising in the scientific investigation of problems in various disciplines. It also provides first-hand practical experience of handling modern statistical software in the analysis of such data. In the present scenario, it is rather impossible, even to think of any field which does not employ modern statistical tools to arrive at rational conclusions from research studies and a statistician is always an indispensable part of any research team carrying out any research investigation.

The department provides a friendly environment and has objectives of accelerating the spirit of teamwork, confidence, creativity, management, and leadership qualities among students.

Career Opportunities:

Career opportunities are unlimited in Statistics. Students may pursue graduate education, career paths in business, science or technical fields or disciplines such as social services, education and government. Some of the occupations that statistics majors enter include:

- ◆ Business
- ◆ Industry
- ◆ Agriculture
- ◆ Government
- ◆ Private job
- ◆ Computer science
- ◆ Scientific
- ◆ Health
- ◆ Civil Services
- ◆ Indian Statistical Services
- ◆ Indian Economic Services exams.

❖ Courses:

The Department of Statistics offers

- ❖ Bachelor of Science degree.
- ❖ Bachelor of Science (Maths Hon's) course.

Objectives:

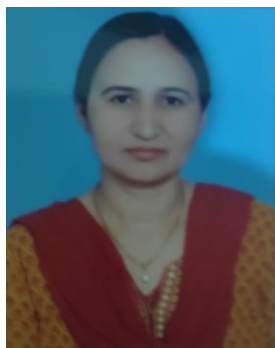
- After completion of degree, students gained the theoretical as well as practical knowledge of handling statistics.
- Statistics mostly used by the researcher. They use their statistical skills to collect the relevant data. Otherwise, it results in a loss of money, time and data.
- Statistics helps in the proper and efficient planning of a statistical inquiry in any field of study.
- Statistical knowledge helps you use the proper methods to collect the data, employ the correct analyses, and effectively present the results. Statistics is a crucial process behind how we make discoveries in science, make decisions based on data, and make predictions.
- Statistics helps in providing a better understanding and accurate description of nature's phenomena.
- Statistics helps in collecting appropriate quantitative data. Statistics helps in the individual comparison of students differing in respect of their ages, abilities and intelligence levels. It is statistics which tells us why thus students who are similar in every other respect yet do not show similar achievement is one particular subject.
- Individuals use statistics to make decisions in financial planning and budgeting, while organizations are guided by statistics in financial policy decisions. Banks use statistics to lower risk in lending operations, analyze activity in the financial market, and predict the impact of economic crises.
- Statistics are the sets of mathematical equations that we used to analyze the things. It keeps us informed about, what is happening in the world around us. Statistics are important because today we live in the information world and much of this information's are determined mathematically by Statistics Help. It means to be informed correct data and statics concepts are necessary.
- Statistical concepts are used in quality testing. Companies make many products on a daily basis and every company should make sure that they sold the best quality items. But companies cannot test all the products, so they use statistics sample.
- In financial market also statistic plays a great role. Statistics are the key of how traders and businessmen invest and make money.
- Statistics play a big role in the medical field. Before any drugs prescribed, scientist must show a statistically valid rate of effectiveness. Statistics are behind all the study of medical.
- Doctors predict disease on based on statistics concepts. Suppose a survey shows that 75%-80% people have cancer and not able to find the reason. When the statistics become involved, then you can have a better idea of how the cancer may affect your body or is smoking is the major reason for it.

- In everyday life we make many predictions. For examples, we keep the alarm for the morning when we don't know that we will be alive in the morning or not. Here we use statistics basics to make predictions.
- News reporter makes a prediction of winner for elections based on political campaigns. Here statistics play a strong part in who will be your governments.
- Statistics data allow us to collect the information around the world. The internet is a devise which help us to collect the information. The fundamental behind the internet is based on statistics and mathematics concepts.

Faculty:



Head of Department
Dr. Savita Deswal
(M.Sc., NET, Ph.D)



Dr. Sudesh
M.Sc., M. Phil,
PhD (Statistics)



Dr. Permila
M.Sc., M. Phil,
PhD (Statistics)



Dr. Sandeep
M.Sc., NET,
PhD (Mathematics)



Dr. Jyoti
M.Sc., PhD (Mathematics)