

## **REPORT ON SPECIAL LECTURE**

**Date: 14/07/2021**

Lecture Name: “Statistical Techniques, Sampling and Applications”

Venue: Diamond Harbour Women’s University

Platform: Online mode (Google Meet)

Delivered by: Prof. Saibal Kar

Topic: “Sampling Techniques”

On 14<sup>th</sup> of July, 2021 (Wednesday), a special Lecture programme has been organized by the Department of Geography from 10.30 a.m. through online mode amidst the disastrous COVID-19 pandemic situation. It’s been an honored moment that the department got Prof. Saibal Kar, Professor, Department of Economics and Director (Hony.), ICSSR (ERC), as the Speaker of the day. Prof. Kar delivered his valuable lecture on “**Statistical Techniques, Sampling and Applications**”. Total 80 participants including research scholars and the students of 2<sup>nd</sup> and 4<sup>th</sup> semester have attended this special lecture.

Prof. Kar started his lecture on basic understandings of Sampling techniques and sampling procedures and has gradually entered into the deeper knowledge of regression, probability, precision and data base management, keeping mind that the audience are both from post-graduation students and research scholar cohort.

Sampling is an essential part of any research project. The right sampling method can make or break the validity of your research, and it’s essential to choose the right method for your specific question. Prof. Kar has provided real-world examples of how they can be used to gather accurate and reliable data. From simple random sampling to complex stratified sampling, the speaker explored each method’s pros, cons, and best practices. He has elaborately described Simple random sampling, Cluster sampling, Systematic sampling, Stratified random sampling. He also explained how the histogram is a useful graphic representation of information content of sample of parent population and how it is different from sample population.

Prof. Saibal Kar also clarifies the queries and doubts, raised by the research scholars of the department. A vigorous interactive session has been continued for one hour and Prof. Kar has clarified all queries of students and scholars regarding sampling and statistical techniques. It must be mentioned that the students and scholars are definitely enriched from such a valuable, informative and commendable lecture of Prof. Saibal Kar.

