



**RAM LAL ANAND COLLEGE,
UNIVERSITY OF DELHI**



Department of Microbiology

Presents

An Online 40 hour Certificate Course

On

Basic Statistics for Biological Sciences

(Under DBT Star College Scheme)

5th July 2021 – 16th July 2021

**Limited Number of Seats Available!!
Do Register by 2nd July 2021**

FEES FOR THE COURSE

For Non- RLAC Students : Rs. 500/-

For RLAC Students: FREE

[Click Here to Register](#)

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RESOURCE PERSONS



Dr Rita Jain, Assistant Professor, Dept of Statistics, Ram Lal Anand College: A dynamic, dedicated and motivated teacher involved in teaching Biostatistics to undergraduate students at RLAC for over two decades



Dr Anupama Mukherjee, Principal Scientist, Animal Genetics and Breeding Division, NDRI, Karnal: An experienced, seasoned scientist who has guided many students pursuing research and an inspiring, innovative teacher who has extensively used statistical tools for data analysis



Ms Deboshree Das, PhD scholar at International Institute for Population Sciences; an M.Phil in Biostatistics and Demography and an outstanding Alumnus of Dept of Statistics, RLAC, Batch of 2017



**Registration
QR Code**

ABOUT THE DEPARTMENT OF MICROBIOLOGY, RAM LAL ANAND COLLEGE

Ram Lal Anand College is a University of Delhi maintained college, fully funded by UGC (Govt. of India). The college offers 14 undergraduate programs for students of different streams including Humanities, Commerce, and Science along with one Post Graduate Degree Program in Hindi. The college is a NAAC accredited college with a B++ Grade.

The Honours Degree in Microbiology is a prestigious and highly sought after program of the college. The Department of Microbiology has been recently inducted into the Star College Scheme by the Department of Biotechnology (DBT), Govt. of India and has received research grants under this scheme.

This recognition mandates orienting students to emerging areas of scientific research and imparting necessary skills and training that would enable students and give them the confidence to take up research projects.

In the recent years, the department has organized many International and National seminars, workshops and certificate courses and faculty members are actively engaged in scientific research.

COURSE OUTCOMES

On successful completion of this course, students would be able to:

- Understand the basic concepts of statistics
- Handle biological data and learn to represent it graphically using Excel.
- Appreciate and understand how statistics helps in analysing biological data with the help of simple examples.

WHO SHOULD ATTEND THIS COURSE ?

This course aims to orient participants to basic statistics tools used in Biological sciences. It has been designed to be easy enough to grasp for those students who have not opted for Mathematics after class 10. For this reason, every session includes a hands-on component which is conceived to be important for helping students to gain confidence in the actual handling and representation of data.

MODULES

MODULE 1: Introduction to Biostatistics, Collection, Classification, Tabulation and Visual Plotting of Data

MODULE 2: Measures of Central Tendency, Measures of Spread or Dispersion

MODULE 3: Variables: Continuous, Discrete and Random

MODULE 4: Curves: Types, Fitting, and Scatter Diagram, Karl Pearson Coefficient of Correlation, Rank Correlation and Tied Ranks

MODULE 5: Sample and Population, Sample Size, Types of Sampling, Standard Error, Levels of Significance, p- value and Confidence Limits.

ORGANISING COMMITTEE

PATRON

Dr Rakesh Kumar Gupta, Principal
Ram Lal Anand College

ORGANISING COMMITTEE

Dr Perna Diwan, Associate Professor & Coordinator,
DBT Star College Scheme

COURSE COORDINATORS

Dr M Salome John, Assistant Professor,
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Dr Shalini Swami, Assistant Professor,
Department of Microbiology

STUDENT VOLUNTEERS

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