



7 Days Regional Workshop on Bioinformatics & Biostatistics

Date: 25th September, 2023 to 1st October, 2023
Time: 10:00 AM-3:00 PM



Organized & Sponsored By

**DBT-NER Advance Level Institutional Biotech
Hub(Phase-II)
Chaiduar College, Gohpur, Assam**

**Venue: Digital Conference Hall,
Chaiduar College, Gohpur, Assam**

**Seat Limit: 40 (First Come first Basis)
For Registration Please Visit**

<https://forms.gle/VgtLj87GmE7ZGvqq7>



For more information. Please contact:
Ranjit Kakati (7002720065), Aziz Hussain (7896647369)
Registration form is available on the official college website
<http://www.chaiduarcollege.org>

Organizing committee:

Patron :

Dr. Kishor Singh Rajput,
Principal, Chaiduar College, Gohpur, Assam.

Convenors :

Dr. Raju Ojah, Principal Investigator(PI)

Dr. Mohini Mohan Borah, Co-PI

Dr. Susanta Borah, Co-PI

Co-Convenors:

Mr. Shinjit Kamal Borah, Assistant Professor, Dept. of
Computer Science

Mr. Ranjit Kakati , Project Associate

Mr. Aziz Hussain , Laboratory Assistant

DBT-NER Advance-Level Institutional Biotech Hub
(Phase-II), Chaiduar College, Gohpur

Resource persons :

Dr. Velentina Terongpi, HOD, Dept. of Zoology, PDUAM,
Behali.

Mr. Ranjit Kakati, Project Associate, DBT-NER Advance
Level Institutional Biotech Hub, Chaiduar

Mr. Aziz Hussain, Laboratory Assistant, DBT-NER
Advance Level Institutional Biotech Hub, Chaiduar College,
Gohpur, Assam

Dr. Gitalee Bhuyan, Assistant Prof., Dept. of Zoology,
Madhabdev University, Lakhimpur

Ms. Trishna Kalita, Assistant Prof., Dept. of Zoology,
Chaiduar College, Gohpur

Ms. Sibasree Hojaia, Assistant Prof., Dept. of Zoology,
Biswanath College, Biswanath

Mr. Aashis Dutta, HOD, Dept. of Zoology, Behali Degree
College, Behali, Biswanath

Dr. Freeman Boro, Assistant Prof., Dept. of Zoology,
Behali Degree College, Behali, Biswanath

Mr. Keshob Jyoti Borah, PhD. Research Scholar,
Dept. of Zoology, Gauhati University

About the Workshop

The term "biological informatics" is abbreviated as "bioinformatics." The analysis and interpretation of biological data has become increasingly important as science has progressed. Bioinformatics, as the name suggests, is the use of computer and analytical tools to acquire, examine, and interpret biological data. The twenty-first century is proving to be a great time to pursue a career in this expanding sector. Applied to a wide range of biological topics, biostatistics is a subfield of statistics that provides inputs, methods, and models to support decision-making in biological experiments at various stages of a bioresearch. The Advanced Level Institutional Biotech Hub at Chaiduar College is therefore making a basic effort to acquaint the students with the foundations of bioinformatics and biostatistics through this workshop.

Objectives:

The main objectives of the workshop are

- To gain knowledge about how to collect, organize, and interpret biological data using bioinformatics & biostatistics tools.
- To give a brief introduction to using bioinformatics & biostatistics tools and methods through hands-on instruction.

Areas of Discussion:

- Introduction to Bioinformatics
- Biological Databases
- Sequence analysis
- Data generation and retrieval
- Applications of Bioinformatics
- Basic Concepts of Sequence Alignment
- Phylogeny analysis
- Protein structural Database and visualization tools
- Introduction to Biostatistics
- Applications and Scopes of Biostatistics

Registration free.

Refreshments will be provided to the participants.

No TA/DA will be provided to the participants.

The workshop is open to undergraduate and post graduate students from any science discipline