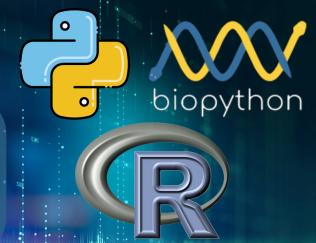


Hands-on Training PYTHON, BIOPYTHON & R FOR BIOINFORMATICS





This training offers practical training in Python, Biopython, and R with a focus on solving real-world bioinformatics problems. Participants will learn to handle biological data, perform sequence analysis, and apply statistical and visualization techniques. The sessions are designed to build coding proficiency, analytical skills, and confidence in using these essential tools for bioinformatics/biological research.

Registration Process

Eligibility: Students pursuing B.Sc., B.Tech., M.Sc., M.Tech., PhD in life sciences/computer science as well as Teaching and Industry Professionals.

To get the application form and fee details and for any other queries, write to us at info@cbirt.net or call us at +91 6398142849.



Visit: www.cbirt.net/training

Program Benefits

- Certificates
- Access to Live Sessions
- Recordings
- Workshop Materials
- Online Technical Support Post Training

Topics

Python:

- Introduction to Python
- Installation of Python
- Data Types, Data Structures, Control Flow

Biopython:

- Installation of Biopython
- Installation of core Biopython Libraries (Pandas, NumPy, Logo Maker)
- Sequence Analysis & Retrieving Sequence, Data Visualization, Alignment, Annotation

R:

- Getting Started with R and RStudio
 - Overview, setting up, and essential tools.
- Data Structures in R
 - Vectors, matrices, bio-specific data types (Biostrings)
- Writing and Executing R Code
 - Console interactions, scripting, and debugging
- Looping and Control Flow
 - Loops, conditional statements, vectorization
- Functions in R
 - Writing modular code, functional programming
- Data Visualization
 - Basic and advanced bioinformatics plots
- Statistical Analysis in R
- Sequence Analysis with Bioconductor

Course Instructors

- Dr. Shikha Mittal, Bioinformatics Trainer, CBIRT
- Dr. Tamanna Anwar, Training Organizer & CoFounder, CBIRT

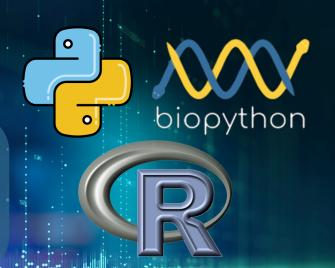








Hands-on Training PYTHON, BIOPYTHON & R FOR BIOINFORMATICS



To register for the workshop, please submit the registration form along with your payment details. We accept multiple payment methods to ensure a convenient and secure registration process.



REGISTRATION PROCESS

SCAN THE QR CODE FOR THE REGISTRATION FORM



STUDENTS

Upto Masters

PH.D

INR-2250 INR-2500

PhD

POSTDOC/RESEARCH SCHOLARS

INR-2750



STAFF/FACULTY

INR-3000



INDUSTRY PROFESSIONALS

INR-3500



INTERNATIONAL PARTICIPANTS

(Including all Living, Working, or Studying Abroad at the time of the Workshop).

STUDENTS

Upto Masters

POSTDOC/
RESEARCH SCHOLARS

STAFF/FACULTY INDUSTRY

PROFESSIONALS

USD 40 USD 45 USD 50

PH.D

USD 60 USD 65

PAYMENT METHODS

SCAN QR CODE

UPI ID

PAYPALID

ONLINE TRANSFER

Account No. - 120023770387 Bank Name - CANARA BANK

IFSC Code - CNRB0002336



BHIM) UPI)

PayPal

Branch Code - 002336 Branch - Kelangar, Aligarh

centreofbioinformaticsresearch@cnrb

PayPal.Me/cbirt1

Payable to: Centre of Bioinformatics

Research and Technology

For Queries/More Details Contact: <u>info@cbirt.net</u>



