



# Hands-on Training R FOR BIOINFORMATICS

10 Days | 4th December to 17th December 2024  
Every Monday to Friday 5:45 - 6:45 PM IST

## About the Training

R is a powerful language for bioinformatics because of its extensive statistical and graphical capabilities. It's commonly used in bioinformatics for tasks such as data manipulation, visualization, and analysis of large biological datasets, especially genomic data.

Eligibility: Students pursuing B.Sc., B.Tech., M.Sc., M.Tech., PhD in life sciences or computer science are encouraged to apply.

## 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](mailto:info@cbirt.net) or call us at +91 6398142849.



Visit: [www.cbirt.net/training](http://www.cbirt.net/training)

## Program Benefits

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

## Training Mode

Online

*Transform theory into Practice with hands-on experience*

## Topics

- ✓ Getting Started with R and RStudio
  - Overview, setting up, essential tools.
- ✓ Data Structures in R
  - Vectors, matrices, bio-specific data types (Biostrings)
- ✓ Writing and Executing R Code
  - Console interactions, scripting, 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. Nadia, Trainer & Course Co-Coordinator, CBIRT

Dr. Tamanna Anwar, Training Organizer & CoFounder, CBIRT



# Hands-on Training R FOR BIOINFORMATICS

10 Days | 4th December to 17th December 2024  
Every Monday to Friday 5:45 - 6:45 PM IST



## WORKSHOP REGISTRATION

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.

**REGISTER NOW**

Registration Form Link:  
<https://forms.gle/S2g57ZFujBhijw7T9>  
or Scan the QR Code



### REGISTRATION PROCESS



**STUDENTS**

INR-2000



**FACULTY**

INR-2500



**INDUSTRY PROFESSIONALS**

INR-3000



**INTERNATIONAL**

USD 30

### PAYMENT METHODS

**SCAN QR CODE**



centreofbioinformaticsresearch@cnrb

**UPI ID**



**PAYPAL ID**



[PayPal.Me/cbirt1](https://www.paypal.com/india/mc/birt1)

**ONLINE TRANSFER**

Account No. - 120023770387  
Bank Name - CANARA BANK  
IFSC Code - CNRB0002336  
Branch Code - 002336  
Branch - Kelangar, Aligarh

Payable to: Centre of Bioinformatics  
Research and Technology

For Queries/More Details Contact: [info@cbirt.net](mailto:info@cbirt.net)

## Contact Us



+91 6398142849



[www.cbirt.net](http://www.cbirt.net)