CENTRE OF BIOINFORMATICS RESEARCH & TECHNOLOGY
ISO 9001:2015

USING COMMAND-LINE & INDUSTRY-STANDARD LINUX TOOLS

FROM READS TO VARIANTS

A HANDS-ON TRAINING ON WHOLE GENOME SEQUENCING DATA ANALYSIS

Online

About the Training

- This hands-on training program provides a comprehensive approach to Whole Genome Sequencing (WGS) data analysis, covering the complete pipeline from raw sequencing reads to variant identification and functional interpretation.

- Participants will learn essential bioinformatics techniques, including quality control, read alignment, variant calling (SNVs, Indels, SVs, and CNVs), and annotation using industry-standard tools.

Key Topics Covered

- Linux basics & NGS file formats (FASTQ, BAM, VCF)
- Quality control, preprocessing, and alignment (FastQC, BWA, Bowtie2)
- Variant calling for SNVs, Indels, Structural Variants (SVs), and CNVs (GATK, FreeBayes, Manta, CNVkit)
- Functional annotation & interpretation (VEP, ANNOVAR)

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Duration & Timing

- Date: 09 - 22 Apr. 2026 (2 Weeks)
- 7.15 PM - 8:15 PM (IST)
- Monday to Friday
- Registration Closes: 08 Apr. 2026

Who Should Attend?

Ideal for students, researchers, and professionals in bioinformatics, genomics, and computational biology.

Eligibility

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

Benefits

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

More details

Visit: www.cbirt.net/training

Course Instructors

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

Training Package
WGS + GWAS Data Analysis
1 Month | 09 Apr. 2026 to 06 May 2026
Registration Closes: 08 Apr. 2026

Contact Us

+91 6398142849

www.cbirt.net

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Training Registration

WGS Data Analysis 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.

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Registration Process

STUDENTS
UPTO MASTERS — INR-2000
PH.D — INR-2250

POSTDOC/RESEARCH SCHOLARS
INR-2500

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 — USD 40
PH.D — USD 45

POSTDOC/ RESEARCH SCHOLARS
USD 50

STAFF/FACULTY
USD 60

INDUSTRY PROFESSIONALS
USD 65

Training Package

WGS Data Analysis + GWAS Data Analysis (1 Month)		Masters Students	PH.D	Postdoc/Research Scholars	STAFF/Faculty	Industry Professionals
	NATIONAL	Masters Students INR-3500	PH.D INR-4000	Postdoc/Research Scholars INR-4500	STAFF/Faculty INR-5000	Industry Professionals INR-6000
	INTERNATIONAL	Masters Students USD 70	PH.D USD 80	Postdoc/Research Scholars USD 90	STAFF/Faculty USD 100	Industry Professionals USD 110

Payment Methods

SCAN QR CODE
centreofbioinformaticsresearch@cnrb

UPI ID
BHIM UPI
BHARAT INTERFACE FOR MONEY | UNIFIED PAYMENTS INTERFACE

PAYPAL ID
PayPal
PayPal.Me/cbirt1

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

Contact Us

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