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EARLY BIRD

DISCOUNT

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NGTOpen Till
18 Feb. 2026!

Hands-on Training

Whole Exome Sequencing Data Analysis

From Raw Reads to Clinical Insights

2 Weeks | 23 Feb.- 9 Mar. 2026

Registration Closes: 22 Feb. 2026

7:15 - 8:15 PM (IST) | Monday to Friday

CENTRE OF
BIOINFORMATICS
RESEARCH &
TECHNOLOGY

ISO 9001:2015



ABOUT THE TRAINING

Join this 2-week online training to master the complete workflow of whole-exome sequencing data analysis—from raw reads to clinically relevant variant interpretation.

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

TOPICS

- ✓ Introduction and applications of Exome sequencing
- ✓ Data Acquisition & Quality Control
Hands-on: Data download, FastQC, MultiQC, trimming
- ✓ Alignment to Reference Genome
Hands-on: BWA-MEM alignment, SAMtools usage
- ✓ Post-alignment Processing
Hands-on: Picard for duplicates, GATK for BQSR
- ✓ Variant Calling – SNPs and Indels
Hands-on: GATK HaplotypeCaller, VCF exploration
- ✓ Variant Filtering & Annotation
Hands-on: Filtering (GATK/bcftools), ANNOVAR, snpEff
- ✓ Functional Interpretation
Variant prioritization and scoring tools: SIFT, PolyPhen, CADD

PROGRAM BENEFITS

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

COURSE INSTRUCTORS

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

REGISTER NOW



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Hands-on Training

Whole Exome Sequencing Data Analysis From Raw Reads to Clinical Insights



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.



Scan the QR Code for
the Registration Form

REGISTRATION PROCESS

**STUDENTS****UPTO MASTERS**INR ~~2500~~ 2000**PH.D**INR ~~2750~~ 2250**POSTDOC/RESEARCH SCHOLARS**INR ~~3000~~ 2500**STAFF/FACULTY**INR ~~3500~~ 2750**INDUSTRY PROFESSIONALS**INR ~~4000~~ 3250**INTERNATIONAL PARTICIPANTS***(Including all Living, Working, or Studying Abroad at the time of the Workshop).***STUDENTS****UPTO MASTERS**USD ~~45~~ 40.0**POSTDOC/
RESEARCH SCHOLARS**USD ~~55~~ 50.0**STAFF/FACULTY**USD ~~60~~ 55.0**INDUSTRY
PROFESSIONALS**USD ~~65~~ 60.0**PH.D**USD ~~50~~ 45.0

PAYMENT METHODS

SCAN QR CODE**UPI ID****PAYPAL ID****ONLINE TRANSFER**

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