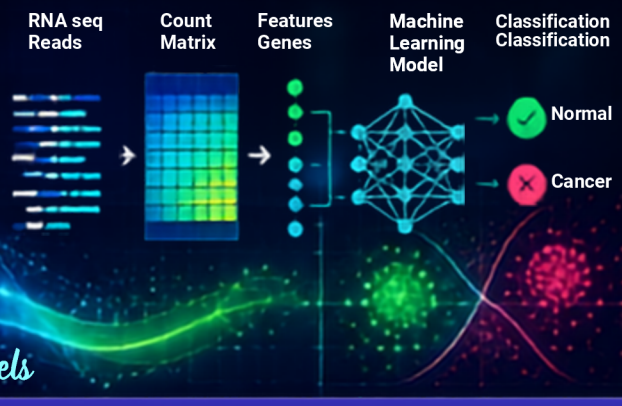
CENTRE OF BIOINFORMATICS RESEARCH & TECHNOLOGY
ISO 9001:2015

Hands-on Training

Building Machine Learning Models

Normal vs. Cancer Classification Using Gene Expression Data

Turn Transcriptomics Data into Predictive Cancer Models



2-week | 15–28 Sept. 2026 | Registration Closes: 14 Sept. 2026 | 6:00–7:00 PM (IST) | Monday to Friday

Online

About the Workshop

This intensive hands-on workshop is designed to equip participants with practical skills to build machine learning models for classifying normal vs. cancer samples using RNA-seq transcriptomic data. Participants will work with real datasets, starting from count matrix preprocessing to differential gene expression analysis (DEseq2), feature selection, model building, optimization, evaluation, and finally, prediction on new data.

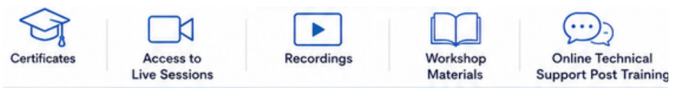
Topics

- Introduction to RNA seq & Transcriptomic Data
- Count matrix to DEG Analysis
- Construction of ML Dataset
- Machine Learning Model Development
- Model Optimization
- Model Evaluation & Interpretation
- Prediction on New Data

Eligibility

B.Sc/B Tech./ M.Sc./ M.Tech./ PhD in life sciences or pharmacy, as well as Teaching and Industry professionals

Program Benefits



Course Instructors

Dr. Ajitha Antony
Bioinformatics Trainer
CBIRT

Dr. Tamanna Anwar
Organizer & Founder
CBIRT

More Details

Tools

Prerequisites

- **Basic understanding on Transcriptomics**

System Requirements:

- Windows 10/11, macOS, or Linux | **RAM:** Minimum **8 GB**; **16 GB recommended** | **Processor:** Intel Core i5 / AMD Ryzen 5 or above

REGISTER NOW!

CBIRT

Contact Us:

+91-6398142849

info@cbirt.net

http://www.cbirt.net

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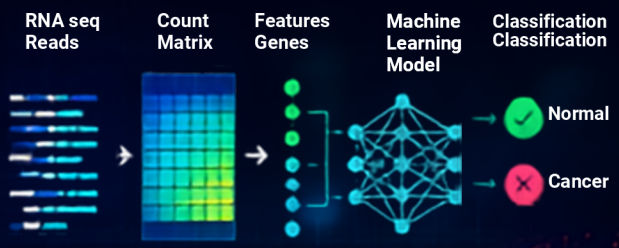

Registration Process

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	PH.D
INR-2250	INR-2500

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		POSTDOC/ RESEARCH SCHOLARS	STAFF/FACULTY	INDUSTRY PROFESSIONALS
Upto Masters	PH.D			
USD 40	USD 50	USD 60	USD 70	USD 80

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