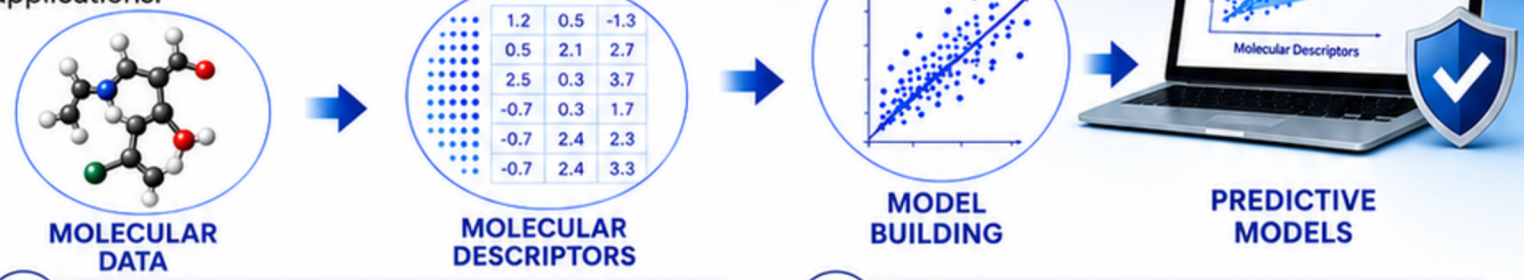
HANDS ON TRAINING PROGRAM

QSAR:

From Molecular Data to Predictive Models

CENTRE OF BIOINFORMATICS RESEARCH & TECHNOLOGY
ISO 9001:2015

Learn QSAR concepts and build predictive models using Python and Visual tools through hands-on sessions and real-world applications.



MOLECULAR DATA → MOLECULAR DESCRIPTORS → MODEL BUILDING → PREDICTIVE MODELS

WHAT YOU WILL LEARN

1. QSAR Concept, Applications & Workflow
2. Data Collection & Molecular Formats
3. Python Basics for QSAR
4. Descriptor Calculation
5. Data Processing using Python and Pandas
6. Linear Regression, Random Forest, Model Training, Decision Tree, Xgboost, and MLP
7. Model Validation & Visualization
8. Visual QSAR Pipeline, Workflow Creation

PROGRAM DETAILS

DATES
30 June – 9 July 2026

TIME
6:00 – 7:00 PM IST
(Tuesday is off)

DURATION
8 Days | 1 Hour per Day

MODE
Online (Live Interactive Sessions)

WHO SHOULD ATTEND?
Students, Researchers, Scientists, Academicians & Professionals in Pharma, Biotech, Agriculture, Chemistry, Data Science and related fields.

REGISTER NOW!

SCAN TO REGISTER

REGISTRATION CLOSING DATE
29 June 2026

COURSE INSTRUCTORS

Dr. Ajitha Antony
Bioinformatics Trainer, CBIRT

Dr. Tamanna Anwar
Organizer & Founder, CBIRT

TOOLS YOU WILL WORK WITH

ChEMBL | PubChem | Jupyter Notebook | RDKit | Python | Pandas | Scikit learn | Matplotlib | Seaborn | KNIME

WHY JOIN THIS PROGRAM?

- Hands-on learning with real datasets and tools
- Practical Python skills for QSAR modeling
- Build, validate and visualize predictive models
- Create workflows visually and compare with Python
- Certificate of Completion

CONTACT US | www.cbirt.net | info@cbirt.net | +91 6398142849

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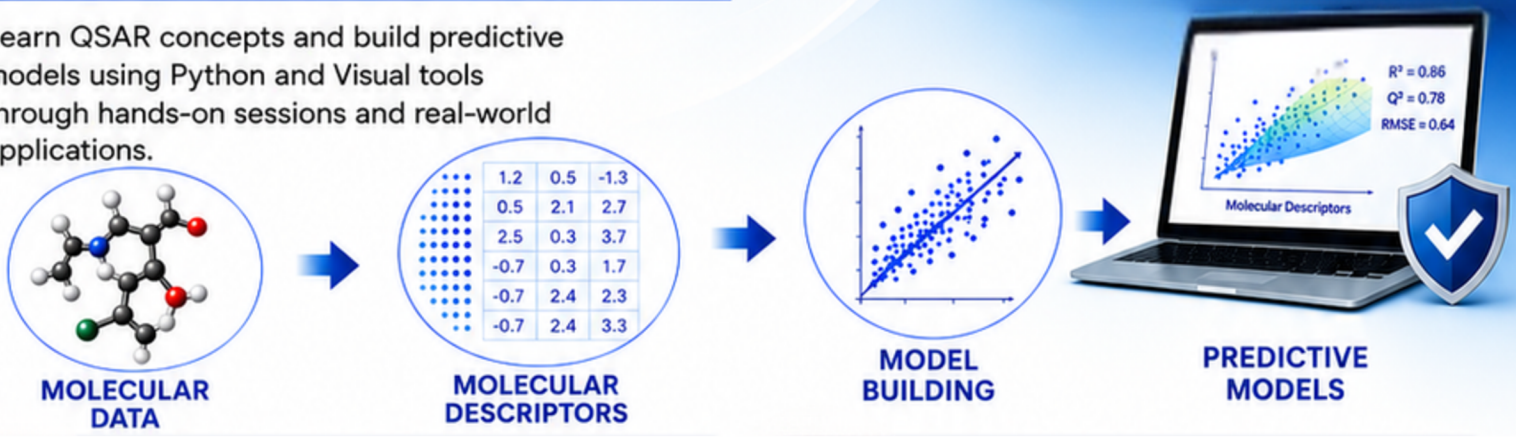

Training Registration

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

Scan the QR Code for the Registration Form

Registration Fee

STUDENTS
UPTO MASTERS INR-2250
PH.D 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
UPTO MASTERS USD 45
PH.D USD 50

POSTDOC/ RESEARCH SCHOLARS
USD 55

STAFF/FACULTY
USD 60

INDUSTRY PROFESSIONALS
USD 65

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