

**CHEMIZEN
LABS**

Explore. Simulate. Discover. Innovate.



सत्यमेव जयते

MSME

REGISTERED

MICRO, SMALL & MEDIUM
ENTERPRISES

1-MONTH HANDS-ON INTERNSHIP

MOLECULAR DOCKING & COMPUTATIONAL DRUG DISCOVERY

(AutoDock 4 / AutoDock Vina)

Explore. Simulate. Discover. Innovate.**100%
Practical
Workflow****E-Certificate
Provided****Live
Virtual
Sessions**

ARG 77

GLU 126

ASP 81

TYR 210

CURRICULUM OVERVIEW



1. CORE FUNDAMENTALS

Basics of Bioinformatics &
Biological Databases

2. STRUCTURE PREDICTION

Homology Modelling using SWISS-MODEL



3. VIRTUAL SCREENING

Hands-on Molecular Docking
(AutoDock 4 / AutoDock Vina)

4. BINDING ANALYSIS

Protein-Ligand Interaction &
Biomolecular Analysis

5. DRUG PROPERTIES

ADMET Analysis for Drug-Likeness &
Pharmacokinetics

6. 3D VISUALIZATION

Structural rendering using PyMOL,
UCSF Chimera & Discovery Studio

7. ACADEMIC INSIGHTS

Computational Drug Discovery Workflows &
Research Publication Guidance

PROGRAM DETAILS



DURATION

1 Month (Total = 12 Lectures)



DATES

17th September – 16th October 2026

TIMINGS

07:00 PM – 08:00 PM IST



PLATFORM

Online via Google Meet



WHO CAN JOIN?

Students (UG/PG), Researchers, &
Faculty in Pharmacy, Biotechnology,
& Life Sciences

ADDITIONAL BENEFITS



RECORDING SESSION ACCESS

All live sessions will be recorded.
Interns will get access to recordings
for the entire program duration.

E-CERTIFICATE PROVIDED

e-Certificate will be provided
to all the participants upon
successful completion.

REGISTRATION FEES

PARTICIPANT CATEGORY	STANDARD FEE	LATE FEE (AFTER 15/09/2026)
UG / PG STUDENTS	₹ 600	₹ 1000
PhD / FACULTY / INDUSTRY	₹ 800	₹ 1000



EMAIL QUERIES

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DIRECT REGISTRATION LINK

<https://forms.gle/3Xn5gX9aY7xNv17u6>

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