



Prabodhan Shikshan Prasarak Sanstha's

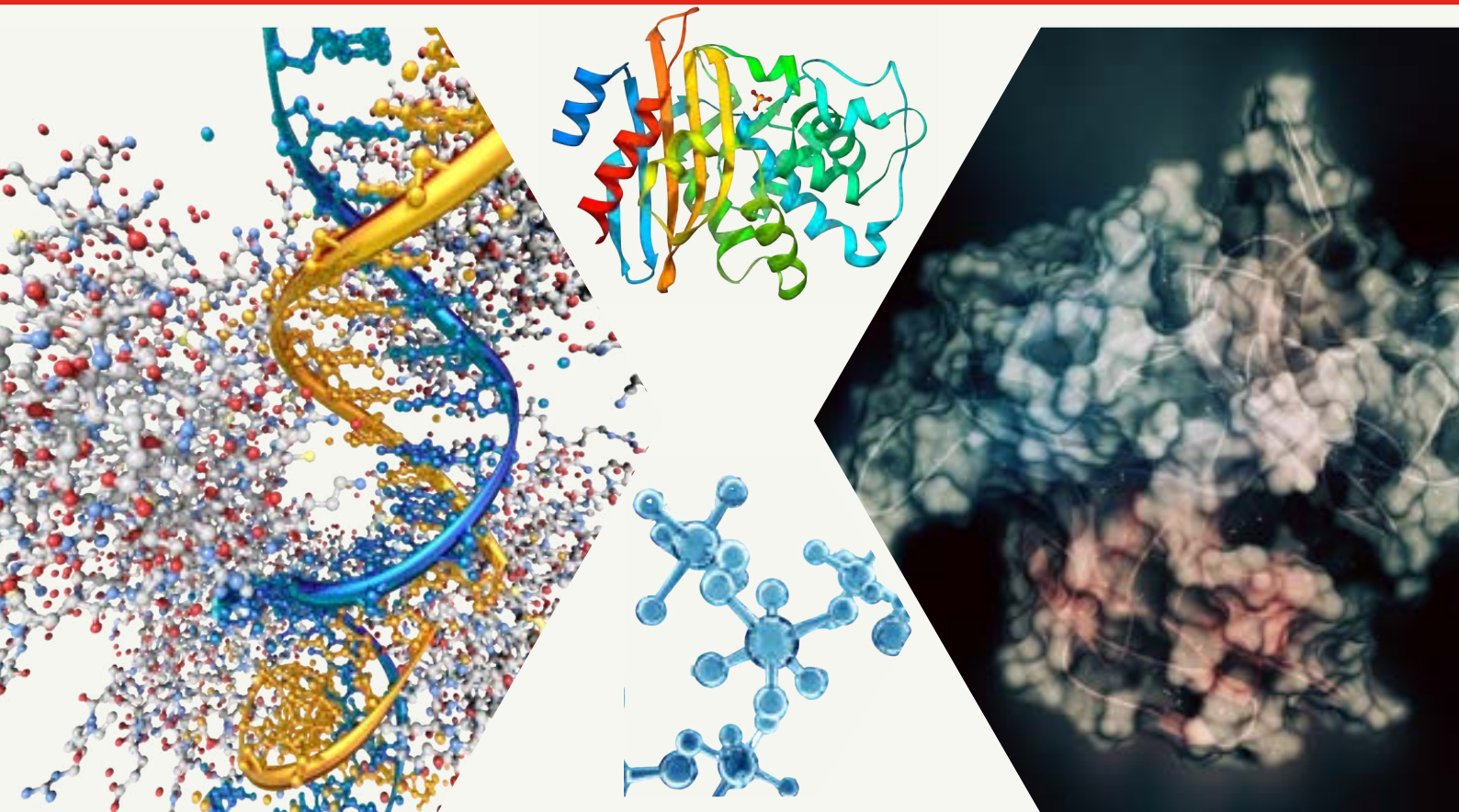
Indira Institute of Pharmacy, Sadavali

Affiliated to University of Mumbai (B. Pharm) & MSBTE, Mumbai (D. Pharm)
NAAC Accreditation B++ Grade, ISO 9001:2015 Certified, UGC 2(f) recognized
Under the Aegis of IQAC

&

In collaboration with

Shri B.V. Patel Education Trust, Ahmedabad &
Association of Pharmaceutical Teachers of India (APTI),
Maharashtra State Branch



ORGANIZES

Two Day Workshop on

Molecular Docking Unlocked: Hands-On Training with Open-Source Drug Discovery Tools

DATE

September 29-30, 2025

TIME

10:00 am to 5.00 pm

VENUE

Indira Institute of Pharmacy,
Sadavali (Devrukh),
Ratnagiri 415 804, Maharashtra

WHO SHOULD ATTEND ?

Faculty, UG/ PG students & Industry
professionals, Researchers/ anyone
who wish to learn Molecular Docking

Registration Fees:

INR 1500/-
(First 30 Seats only)

Learning Objectives of the Workshop

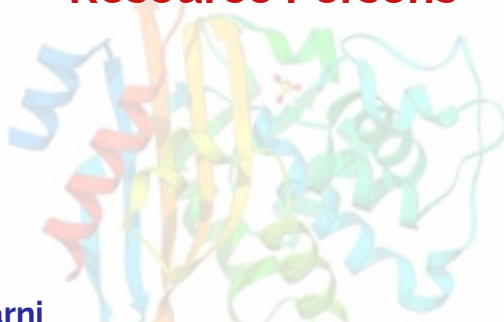
- To train and encourage aspiring researchers from rural areas to engage in drug discovery research.
- To introduce the principles and workflows of molecular docking and structure-based drug design.
- To provide hands-on training in widely-used open-access software such as AutoDock Tools (ADT), Vina, PyMOL, Discovery Studio Visualizer, and SwissADME.
- To promote research and skill development in cheminformatics and molecular modeling using computational tools

Resource Persons



Dr. Ravindra G. Kulkarni

Professor, Dept. of Pharm. Chem.,
B.V's Poona College of Pharmacy, Pune,
Maharashtra



Dr. Bhakti Hirlekar

Assistant Professor, Dept. of Pharm. Chemistry,
Manipal College of Pharmaceutical Sciences,
MAHE, Manipal, Karnataka

CHIEF PATRONS

Shri. Ravindraji Mane

Ex-State Minister, Maharashtra & Chairman
Prabodhan Shikshan Prasarak Sanstha, Ambav

Shri. Manohar Surve

Vice-Chariman

Prabodhan Shikshan Prasarak Sanstha, Ambav

Mrs. Neha Mane

Executive Chairperson

Prabodhan Shikshan Prasarak Sanstha, Ambav

Dr. S. P. Adeshara

Chairman

Shri B. V. Patel Education Trust, Ahmedabad

PATRON

Shri. Pradumnya Mane

Chief Executive Officer (CEO)

Prabodhan Shikshan Prasarak Sanstha, Ambav

CONVENERS

Dr. Amol B. Khade

Principal & Professor

Indira Institute of Pharmacy, Sadavali, Devrukh

Dr. Neeta Shrivastava

Deputy Director

Shri. B. V. Patel Education Trust, Ahmedabad

Coordinators

Mr. Vivek Kulkarni **Dr. Medha Khade**

94211 41242

94042 47859

Asst. coordinators

Mr. Prashant Gurav **Mr. Rohit Raj** **Mr. Nikul Patel**

95457 66765

77951 17319

80070 04041



Registration details

Scan the QR code to pay
registration amount
boism-94211441222@boi



Scan the QR code to register



For Registration: 13/09/2025

Registration Fees: Rs. 1500/-

Bank details for Payment:

Bank name: Bank of India, Devrukh Branch

Account No. 144010110001260

Account Name: Principal, Indira Institute of Pharmacy,
Sadavali

IFSC CODE: BKID0001440

Branch: Devrukh, Ratnagiri

About the Indira Institute of Pharmacy (IIP), Sadavali

Indira Institute of Pharmacy, Sadavali was established in the year **2008** under the flagship of **Prabodhan Shikshan Prasarak Santha Ambav**, Devrukh, Ratnagiri. At present, the Institute offers **D. Pharm** and **B. Pharm**. Programs with 60 intakes for each. The **D. Pharm** program is affiliated to **Maharashtra State Board of Technical Education (MSBTE)** and **B. Pharm** program is affiliated to the University of Mumbai. The Institute is approved by the **Pharmacy Council of India (PCI)** & Government of Maharashtra. The Institute is recognized under **Section 2(f) of the UGC Act, 1956**. The institute has **ISO 9001:2015 certification**. The institute has strong industrial consultancy and ranked under the **gold category** of the **AICTE CII survey**. The institute is Reaccredited by **NAAC with B++ grade with CGPA of 2.95**. The institute has a strong **industry connect** and done so far more than **6 million** rupees of work in **consultancy & Services**. For details visit - **www.iip.ind.in**

Vision of the Institute

To be a prime source of pharmaceutical education in Konkan region for developing globally competent and professional Pharmacists.



About the Shri B.V. Patel Education Trust, Ahmedabad

Shri B.V. Patel Education Trust is established in the fond memory of the **First Drug Controller of Gujarat, Shri Bhupendrabhai V. Patel in the year 1974**. Vision and Mission of the Trust is **educational activities in the field of Pharmacy and allied sciences** to support pharma industry with skilled scientists / technocrats / management professionals. To fulfil this goal the Trust carries out various programmes like International Symposiums, Hands on Training Workshops, Industry Oriented Dissertation Programs, etc. The Trust also conducts **Shri B.V. Patel Essay Competition** annually where students / academicians / industry professionals from various field can participate. In addition to this the Trust also organises **Shri B.V. Patel Memorial Lecture every year in 'Indian Pharmaceutical Congress'** where the winners of Essay Competition also receive medals and cash prize. The Trust is also planning to start Certificate Courses for pharma and allied science graduates to prepare them for industry oriented skilled human resource. The Trust is also working to come up with **innovative programmes to support students and promote educational activities in Gujarat**.

For details visit – **www.bvpedutrust.com**

About The APTI, Maharashtra State Branch

The Maharashtra State Branch is a key part of the APTI's structure. As a regional body, it works to implement the national association's mission and objectives within the state. It has its own leadership and a list of contact persons from various Pharmacy colleges in Maharashtra. These local contacts are essential for coordinating activities and engaging with members at a grassroots level. The branch likely organizes its own local events, workshops, and seminars to address the specific needs and interests of its members in Maharashtra.

The APTI's national body also has a strong presence in Maharashtra, with several national-level office bearers and committee members hailing from institutions within the state.

For details visit - <https://aptiindia.org/maharashtra>

About the content of the workshop:

The workshop provides comprehensive training on **molecular docking**. The content ranges from the installation of open-access software to hands-on practical experience, including case studies, to ensure a thorough understanding of both the theoretical principles and practical application.

- **Introduction to Molecular Modeling:** This session will cover the fundamental principles, different types, and the crucial role of molecular modeling in modern drug discovery. The key open-access tools to be used, such as AutoDock Vina, PyMOL, and Discovery Studio Client, will also be introduced.
- **Software Installation and Setup:** A hands-on, guided session where participants will install and configure the necessary software (ADT, Vina, PyMOL, and Discovery Studio Client) on their personal computers.
- **File Preparation:** A practical session on how to prepare protein and ligand files for docking simulations, including how to define the specific binding site (Grid Box Setup) on the protein.
- **Docking with AutoDock Vina:** A step-by-step tutorial on how to perform a docking run using the prepared files and AutoDock Vina.
- **Docking Result Analysis:** This session focuses on understanding how to interpret the results and what the binding scores mean. Participants will learn how to select the most favorable poses, analyze the interactions between the protein and the ligand, and present their findings in a professional, publication-ready format.
- **Mini Project and Discussion:** Participants will apply their newly acquired skills to a small, guided project, followed by a discussion of their findings.
- **Troubleshooting and Best Practices:** A session dedicated to identifying and resolving common issues encountered during the docking process, as well as offering advice on best practices for reliable and reproducible results.
- **Feedback and Wrap-up:** An open forum for participant feedback, questions, and a final summary of the workshop.