

SMBT College of Pharmacy, Nashik, Maharashtra.
Under the Aegis of IQAC and IIC

in collaboration with

BV Patel Education Foundation, Ahmedabad, Gujarat

Organizes Two days Hands on Training Workshop on

Computational Drug Discovery: Molecular Docking, Network Pharmacology and ADMET Analysis

13th and 14th Oct. 2026



SMBT College of Pharmacy is a premier institute under SMBT Educational Trust, is committed to excellence in pharmaceutical education and research. With state-of-the-art laboratories, experienced faculty, and a vibrant academic environment, the college fosters innovation, skill development, and hands-on learning. Located amidst the serene Nandi Hills of Igatpuri, SMBT provides an ideal setting for professional growth. The institute continually strives to empower students and researchers through quality training, workshops, and industry-oriented programs.

BV Patel Education Foundation (formerly known as Shri Bhupendra V. Patel Education Foundation and earlier known as Shri B.V. Patel Education Trust), is named after the First Drug Controller of Gujarat State Shri Bhupendrabhai V. Patel. Vision and Mission of the Foundation are to organize and conduct educational programs in the field of pharmacy and allied sciences and to support pharma industry and academia with skilled manpower, scientists, technocrats and management professionals. To achieve this aim, the Foundation organizes Hands on Training Workshops, Faculty Development Programmes, Technician Development Programmes with various Universities, Colleges, Private Laboratories, Companies and institutions across India. The Foundation also conducts Certificate Courses for pharma and allied science graduates to prepare them for industry oriented skilled human resources. The Foundation is also working to come up with innovative programmes to support students and promote educational activities across India in healthcare.

For details, visit: www.bvpedufoundation.com (www.bvpedutrust.com)

PATRON

Shri. S. P. Adeshara

Director, BV Patel Education Foundation

Objective of Workshop: The workshop aims to equip rural students and researchers with practical skills on comprehensive understanding of molecular docking and network pharmacology and their applications in modern drug discovery. It will offer hands-on training in protein and ligand preparation, molecular docking, and protein–ligand interaction analysis using freely available computational tools. Participants will also gain practical exposure to network construction, target identification, pathway analysis, and in silico ADMET and drug-likeness prediction using online platforms. Overall, the workshop is designed to strengthen computational skills that support research, project development, scientific publications, and interdisciplinary drug discovery.

Who can attend: The faculty members, Ph.D. research scholars and UG/PG students of Pharmacy/ Science are eligible to attend this workshop

-Co-ordinator-

Dr. Nirmala V. Shinde

HOD, Department of
Pharmaceutical Chemistry,
SMBT College of Pharmacy,
Nandi Hills, Nashik.

-Convener-

Dr. Neeta Shrivastava

BV Patel Education
Foundation, Ahmedabad,
Gujarat

Dr. Yogesh V. Ushir

Principal,
SMBT College of Pharmacy,
Nandi Hills, Nashik.

Time	Session	Details
Day 1: Molecular Docking and Structure -Based Drug Discovery		
9:30–10:00	Registration and Breakfast	
10:00–10:30	Inauguration	
10:30–11:00	Introduction to Structure -Based Drug Discovery and its Significance	
11:00–01:00	Session 1	Protein Structure Retrieval and Visualization using PDB, Biovia discovery/ Autodock Vina
1:00–2:00	Lunch Break	
2:00–3:30	Session 2	Ligand Preparation and Molecular Docking using PyRx
3:30–4:00	Session 3	Analysis of Docking Results by Biovia drug discovery and Protein –Ligand Interactions
Day 2: Network Pharmacology and ADMET Analysis		
9:30–10:30	Introduction to Network Pharmacology and Systems Biology	
10:30–11:30	Session 4	Target Prediction and Database Mining
11:30–01:00	Session 5	Network Construction and Analysis using Cytoscape and STRING
1:00–2:00	Lunch Break	
2:00–3:30	Session 6	ADMET Prediction and Drug -Likeness Analysis using Swiss ADME and Related Tools
3:30–4:00	Session 7	Case study and Integrated workflow in Drug Discovery
4:00–4:30	Valedictory Function, Feedback and Certificate Distribution	

Confirmation of Participation and Certificates:

- Upon registration, a confirmation email will be sent to the selected participants.
- Certificates will be awarded only to participants who maintain 100% attendance and complete the feedback form of the program.

REGISTRATION FOR THE WORKSHOP

Interested candidates have to register through the given



Scan For Registration



Scan For Payment

Account No :- **60537101161**

Account Name :- **SMBT Sevabhavi Trust Pharmacy**

IFSC Code :- **MAHB0002579**

Bank Name :- **Bank of Maharashtra**

Registration Fees -

For Students: ₹ 500/- | For Faculty: ₹ 1200/-

Limited to 20 participants only

Last date of registration: **05th October 2026**

-For More Details-

Dr. Sachin K. Bhosale

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Dr. Harsha I. Narkhede

9850683264

