



# A Hands-on-training Program on Computational Strategies for the Design and Development of Pharmaceuticals

12-18  
DECEMBER  
2022 | MUMBAI

Under the scheme of  
Synergistic Training Program Utilizing the Scientific and Technological Infrastructure (STUTI)  
An initiative by Department of Science and Technology, India  
Organized by Institute of Chemical Technology, Mumbai (PMU)  
Hosted by SVKM's Dr. Bhanuben Nanavati College of Pharmacy, Mumbai

SVKM's Dr. Bhanuben Nanavati College of Pharmacy is one of the top Pharmacy Institutes in the State of Maharashtra situated in, Vile Parle (West), Mumbai. Since 2004, it has achieved brilliance in pharmaceutical culture and research and has become a center of excellence in the field of pharmaceutical sciences. The college received the prestigious AICTE-CII best Industry-linked pharmacy institute Degree survey award in 2015 and 2017. It was conferred the Platinum category in the Pharmacy degree (standard) category for 2016. The college is Ranked All India NIRF ranking at 28th Rank in the Pharmacy college category for the year 2021.

Computer-aided Drug Design and Development (CADD) approaches are widely used in drug discovery programs by academia and pharmaceutical companies. This workshop will reflect on the current trends, recent advances, and novel strategies in the design and development of drugs. Rational drug design methods such as structure-based and ligand-based drug discovery techniques, virtual screening, and cheminformatics will be covered in detail. The second part of the workshop will focus on the development and optimization of formulation properties and targeting strategies to enhance drug delivery. The workshop will include expert lectures by computational scientists from academia and industry, where the delegates will be enlightened about the science behind computational simulations in modern-day drug discovery and development. The primary objective of this program is to provide the delegates with hands-on exercises and practice assignments using diverse computational tools. While the scientific meeting will be guided by experts in the field of CADD, talks are framed toward illustrating how chemistry – biology – design synergistically interact to bridge into the realm of medicine for effective therapeutics.

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NO REGISTRATION FEE

### Mode of the training program

- All the lectures and training shall be conducted using “offline mode”.
- The participants can interact and network with speakers and experts after each session.

Eligibility:

The minimum qualification is Post Graduate (Science/ Pharmacy) or B. Tech. (Technology/Pharmacy), Faculty Members/Scientists/ Post-Doc Fellows, Ph. D. Fellows, and Industry Personnel actively involved in R&D.

Duration: 7 days

No. of participants: 30 (Not more than 3 people from one Institute are allowed)

## CONTACT DETAILS

## DST STUTI ICT

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