



A One-day Workshop  
on

## “Computer Aided Drug Designing: A Pathway to Precision Medicine”

Organized by  
**The School of Sciences**

**Netaji Subhas Open University**



### About the Theme of the Workshop

Computer-Aided Drug Design (CADD) is at the forefront of modern drug discovery, offering a powerful, interdisciplinary approach that combines biology, chemistry, physics, and computational science to develop targeted therapies. As a key component of contemporary biological research, CADD bridges the gap between traditional drug development and precision medicine by designing drugs tailored to individual genetic and molecular profiles. Techniques such as molecular docking, molecular dynamics simulations, and machine learning enable the prediction of drug-target interactions, optimization of drug efficacy, and reduction of adverse effects. This workshop will highlight the importance of CADD in modern biology, emphasizing its role in precision medicine and fostering innovation across multiple scientific disciplines to create more personalized and effective treatments.

**DATE: 15<sup>TH</sup> MAY, 2025**  
**TIME: 10.30 A.M. – 5 P.M.**

**Venue:** Subhas Chandra Sabhaghar,  
NSOU Headquarters, DD-26, Sector-I, Salt  
Lake City, Kolkata - 700 064

### Objective of the Workshop

- ✓ To gain hands-on experience with the relevant cutting-edge tools for drug designing
- ✓ To learn from distinguished invited speakers
- ✓ Networking with peers working or interested in same research area

### Eligible Participants

- ✓ PG Students, Research Scholars, and Faculty Members of NSOU and other institutions.
- ✓ Industry Personnels may also join us.
- ✓ Seats are limited (**10 for participants of NSOU and 20 from other institutions**)
- ✓ Participants need to carry their own Laptop for the hands-on training session.

### Selection of Participants

- ✓ As limited seats are available, participants will be shortlisted on a first-come, first-served basis.
- ✓ **Registration starts on 20<sup>th</sup> April, 2025**
- ✓ **Registration will close on 2<sup>nd</sup> May, 2025.**

### Registration Fees

- ✓ PG Students, Research Scholars (NSOU): Rs. 100/-
- ✓ Faculty Members (NSOU): Rs. 200/-
- ✓ PG Students, Research Scholars (Other than NSOU): Rs. 300/-
- ✓ Faculty Members (Other than NSOU) and Industry Personnels: Rs. 500/-

### Registration Fees Payment

The bank details for Registration Fee Payment will be shared with the selected participants via email. The participants will be required to sent the transaction proof for confirmation of registration.

### Registration Link

<https://forms.gle/kCBVAYAWSZnDxU3F9>



## About NSOU

Netaji Subhas Open University (NSOU) is the premier state open university in West Bengal, established in 1997 and named after the iconic freedom fighter Netaji Subhas Chandra Bose. Headquartered in Kolkata, NSOU aims to provide inclusive and flexible higher education opportunities through the distance learning mode, especially for those who cannot pursue traditional, full-time education. The university offers a wide range of undergraduate, postgraduate, diploma, and certificate programs across disciplines such as arts, science, commerce, education, and social sciences. Its learner-centric approach, use of modern educational technologies, and extensive network of study centres across West Bengal make it accessible to a diverse student base, including working professionals and rural learners. NSOU is recognized by the University Grants Commission (UGC) and adheres to the norms set by the Distance Education Bureau (DEB). With its commitment to promoting lifelong learning, skill development, and academic excellence, NSOU plays a significant role in expanding the reach of quality higher education throughout the state.

## About School of Sciences, NSOU

The School of Sciences at NSOU, offers quality education in science through the open and distance learning (ODL) mode. It provides undergraduate and postgraduate programs in subjects like Zoology, Botany, Mathematics, Physics, Chemistry, Geography, and Environmental Science. The school emphasizes both theoretical knowledge and practical skills, supported by study materials, contact programs, and laboratory sessions. It aims to make science education accessible and inclusive, catering to learners from diverse backgrounds. With a focus on academic excellence and innovation, the School of Sciences contributes significantly to NSOU's mission of democratizing higher education in the state.

## Distinguished Speakers

**Dr. Sudipto Saha**  
Associate Professor,  
Department of Biological  
Sciences,  
Bose Institute



**Dr. Mehboob Hoque**  
Assistant Professor,  
Department of Biological  
Sciences,  
Aliah University



## Resource Person

**Dr. Aayatti Mallick Gupta**  
NPDF, IISER, Kolkata &  
Visiting Scientist at Wesleyan  
University, USA



### How to Reach the Venue!

**Nearest Train Station:** Biddhannagar Railway Station, from here Bus/Auto will take you to venue

**Nearest Metro Station:** City Centre, walking distance from here

GoogleMapLink:

[https://maps.app.goo.gl/zAcaDbExvDoHnF7X9?g\\_st=aw](https://maps.app.goo.gl/zAcaDbExvDoHnF7X9?g_st=aw)

**Nearest Landmark: ILS Hospital, Salt Lake, Kolkata**

## Instructions for the Participants

For best experience you are advised to install the following tools in your computer system.

✓ **Discovery Studio Visualizer, PyMOL, AutoDock Vina, VMD and don't forget to carry your laptop charger.**

## Organizing Committee



**Prof. Indrajit Lahiri**  
Hon'ble Vice-Chancellor, NSOU  
(Chief Patron)



**Prof. Bibhas Guha**  
Director, School of Sciences, NSOU  
(Chairperson)



**Prof. Anirban Ghosh**  
Head, Department of Zoology, NSOU  
(Organizing Secretary)



**Ashif Ahamed**  
Assistant Professor of Zoology, NSOU  
(Convenor)



**Dr. Niladri Sekhar Mondal**  
Assistant Professor of ENVS, NSOU  
(Member)



**Dr. Puspall Mukherjee**  
Assistant Professor of Chemistry, NSOU  
(Member)



**Contact us:**

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