Certificate Course on

COMPUTER ASSISTED DRUG DESIGN

(Six-Months)

Jointly Organized by

Design Innovation Centre
Centre for Converging Technologies
University of Rajasthan, Jaipur

Design Innovation Center
Birla Institute of Scientific Research
Statue Circle, Jaipur

Objectives:

- To gain in-depth overview over the state-of-the art methods and techniques in the area of "Drug Designing"
- To design and interpret the results of Molecular Modeling, Docking. & Simulations.Lead optimization, structure based design, investigation of Ligand receptor interaction
- To have hands on experience with the advanced computational tools available for identifying drug-biomolecule interactions.

Eligibilty:

- Postgraduate Degree in Chemistry, Biochemistry, Zoology, Botany, Biotechnology, Microbiology, Bioinformatics, and related discipline.
- B.E./B.Tech., M.E./M.Tech., M. Pharm, etc. having basic knowledge of chemistry.
- Final year students of the above courses can join as a part of fulfilling their project work
- Research Scholars in any areas of life sciences & chemical sciences.

Course Duration & Fees :

- One Semester (60 hours - Lectures in Hybrid Mode)
- Fees - Nil, if recommended by parent organization
- A Certificate will be given upon successful completion. (Minimum 75% attendance is mandatory)

Course Goal:

- The course has been planned to introduce the aspirants to both theory and computational lab components on Basics of Drug action mechanism, theories of drug-receptor interactions, introduction to fundamental concepts behind the molecular modeling software, structure activity relationship of drug & drug like molecules, molecular docking & simulation techniques used in Drug designing. At the end of the course the student will be able to choose the appropriate method for a given problem related to Drug Design.

Future Opportunities:

- Opportunities in Pharmaceutical R&D sector as Trained personals.

Important Dates

- Last date of Application: **20 th September 2025**
- Number of Seats : 40
- Course Commencement date: 26 September 2025

Visit Website for more details and to apply online : https://www.bisr.res.in/cadd.php

Certificate Course on
COMPUTER ASSISTED DRUG DESIGN
(Six Months)

APPLICATION FORM (Offline)

1. **Applicant's Name :** _____

2. **Father's Name :** _____

3. **Address :** _____

Mobile: _____ **Email:** _____

4. **Education Qualification (Tick appropriate):**

□ **PG.: University/Institute Name:** _____ **Completed/ Pursuing, If pursuing, Semester/Year**_____ **Subject/Discipline** _____**Enrolment No,** _____

□ **Ph.D. University/Institute Name:** _____ **Completed/ Pursuing, If pursuing, Ph.D. Registration No.** _____ **Ph.D. topic**: _____

_____

5. **If pursuing PG/Research Scholar, kindly forward it by the head of the department. Date:** _____
HoD/Incharge Signature: _____

6. **Give a brief reason, why do you want to attend this course?**

_____
_____
_____
_____
_____
_____

Date: _____   **Signature of Candidate**

Note:
- Tentative date of Commencement: 26 September 2025.
- **Training Mode:** Training Program will be in Hybrid Mode for 60 hours including onsite laboratory time.
- **Fees**: No Fees will be charged from PG students/ Research Scholars recommended by their organization
- **How to Apply:**
  - Offline: Kindly send the scanned soft copy of this application at radhakishan@bisr.res.in on or before **20 Sep 2025.**
  - Online : visit course website for the link.
  - Selected students will be informed through email only.
- Visit www.bisr.res.in/cadd.php for more details about the course and online application.

Convener