

Date:18/03/26

A Report on “One Day Expert Lecture Series on “Cheminformatics: Modern Approaches in Drug Design”

Title of the Activity: One Day Workshop on One Day Offline Expert Lecture Series on “Cheminformatics: Modern Approaches in Drug Design”

Category of event/activity: Scientific Activity

Facilitators/ Resource Persons: Dr. Darshna Kanthecha: Assistant Professor,
Department of Chemistry, Arts, Science & R. A.
Patel Commerce College, Bhadran- Affiliated to
SARDAR PATEL UNIVERSITY, Gujarat, India.

Faculty Co-ordinator: Dr. Miral Vora

Mode of conduct: Offline

Date: 17/03/2026

Time: Theoretical Session -: 45:00 am – 01:15 am

Practical Session -: 03:45 pm – 05:00 pm

Venue: Auditorium-II, KPGU

Objectives of the Event

- To introduce the concepts and applications of Cheminformatics in analysing chemical and biological data.
- To familiarize participants with computational approaches used in modern drug discovery.
- To provide an understanding of Molecular Docking and computer-aided drug design for predicting drug–target interactions.

- To encourage students to explore interdisciplinary research and innovation through the Student Startup and Innovation Policy (SSIP).

Description of the Event

The Department of Chemistry at Krishna School of Science (KSS) organized a One Day Expert Lecture Series on “**Cheminformatics: Modern Approaches in Drug Design**” with the objective of introducing students and faculty to modern computational techniques used in pharmaceutical research. The lecture emphasized the role of Cheminformatics in managing, analysing, and interpreting chemical and biological data to accelerate the drug discovery process.

The expert discussed various computational tools used in chemical database analysis, molecular modelling, Molecular Docking, and computer-aided drug design. Participants learned how computational methods help predict biological activity, optimize lead compounds, and reduce the time and cost involved in developing new drugs.

The lecture also highlighted the importance of interdisciplinary research by integrating chemistry, biology, and computational science. Students were encouraged to utilize the opportunities available through the Student Startup and Innovation Policy (SSIP) for innovation, research, and entrepreneurship in chemical and pharmaceutical sciences.

Key Outcomes

- Students developed a comprehensive understanding of Cheminformatics and its applications in drug discovery.
- Participants learned how computational tools are used to manage and analyse chemical and biological datasets.
- The lecture enhanced awareness of Molecular Docking and computer-aided drug design techniques.
- Students understood the role of computational approaches in predicting biological activity and optimizing drug candidates.
- The program encouraged research in interdisciplinary fields such as computational chemistry, bioinformatics, and pharmaceutical sciences.
- The activity promoted interaction among experts, faculty members, and students, encouraging collaborative research.
- Participants gained awareness of modern computational research tools and career opportunities in pharmaceutical research and allied industries.

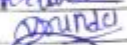
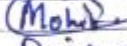
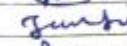
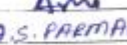
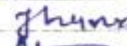
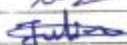
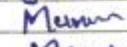
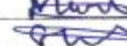
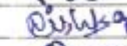
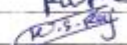
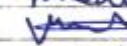
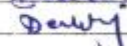
Number of Participants: 33 Students

Target Audience: UG and PG Students of KSS



KPGU

B.Sc. NEP Semester- 3 (Chemistry)

Sr. No.	Enrolment No.	Student's Name	Signature
1	2407249003	Bariya Nishaben Ishwarbhai	
2	2407249008	Chauhan Harpalsinh Arjunsinh	
3	2407249013	Desai Krishnaben Hiteshbhai	
4	2407249014	Desai Vrundaben Amitkumar	
5	2407249019	Jangir Mohit Sunilkumar	
6	2407249023	Machi Priyanshi Girishkumar	
7	2407249025	Mistry Meet Devendrakumar	
8	2407249027	Padhiyar Jankiba Bharatsinh	
9	2407249029	Panchal Palak Deepakbhai	
10	2407249030	Pandya Amiben Akshaykumar	
11	2407249032	Parmar Ajaykumar Sureshbhai	
12	2407249033	Parmar Jhanvi Hareshbhai	
13	2407249035	Patanvadiya Abhikumar Mukeshbhai	
14	2407249038	Patanvadiya Dip Dashrathbhai	
15	2407249039	Patel Aastha Jaimin	
16	2407249042	Patel Hetkumar Piyushbhai	
17	2407249046	Patel Jaykumar Maheshbhai	
18	2407249048	Patel Julinkumar Jitendrabhai	
19	2407249049	Patel Manan Sanjaybhai	
20	2407249050	Patel Marin Rajeshkumar	
21	2407249051	Patel Muktiben Dharmeshbhai	
22	2407249053	Patel Nishika Samirbhai	
23	2407249054	Patel Omvijaykumar	
24	2407249065	Patil Nandraj Rameshchandra	
25	2407249067	Raj Kuldeepsinh Surendrasinh	
26	2407249069	Rana Binisha Rajveersinh	
27	2407249078	Tadvi Mayur	
28	2407249079	Tailor Moxa Vireshbhai	
29	2407249080	Upadhyay Shiv Manojkumar	
30	2407249092	Vasava Priyanka Maheshbhai	
31	2407249093	Limbachiya Rajkumar Amitkumar	
32	2407249095	Patel Rudrakumar Maheshbhai	
33	2407249100	Singh Devraj Hasnmukhbhai	

Name & Signature of Session Coordinator:

- 1) Dr. Miral Vora & 
- 2) Dr. Nikita Patel

