

Date:18/03/26

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

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

Category of event/activity: Scientific Activity

Facilitators/ Resource Persons: Mr. Chintan Patel: Sr. Executives, Amoli Organics Pvt. Ltd., Vadodara.

Faculty Co-ordinator: Dr. Nikita Patel

Mode of conduct: Offline

Date: 17/03/2026

Time: Theoretical Session - : 10:00 am – 11:30 am

Practical Session - : 02:00 pm – 03:30 pm

Venue: Auditorium-II, KPGU

Objectives of the Event

- To provide participants with an understanding of the fundamental principles of Medicinal Chemistry and its role in modern drug discovery and development.
- To familiarize students with the importance of structure–activity relationship (SAR) studies in designing effective therapeutic molecules.
- To introduce modern computational techniques, including Molecular Docking, that support rational drug design.
- To encourage students to pursue research and innovation in pharmaceutical sciences 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 “**Medicinal Chemistry: Modern Approaches in Drug Design**” to strengthen the understanding of students and faculty in the field of pharmaceutical research. The lecture focused on the fundamental concepts of Medicinal Chemistry and its vital role in the discovery, optimization, and development of therapeutic agents.

The expert explained modern drug design strategies, including structure–activity relationship (SAR) studies, molecular modifications, and computational techniques such as Molecular Docking for predicting interactions between drug molecules and biological targets. The session emphasized how Medicinal Chemistry integrates chemical and biological principles to develop safer and more effective medicines.

The program also highlighted the role of the Student Startup and Innovation Policy (SSIP) in encouraging students to develop innovative research ideas and explore entrepreneurial opportunities in pharmaceutical sciences. The lecture inspired participants to adopt research-oriented approaches in medicinal chemistry and drug development.

Key Outcomes

- Participants gained a clear understanding of the principles and significance of Medicinal Chemistry in drug discovery.
- Students learned about structure–activity relationship (SAR) studies and their importance in designing new therapeutic compounds.
- The lecture enhanced awareness of Molecular Docking and computer-aided drug design techniques.
- Participants understood the integration of experimental chemistry with computational methods for efficient drug development.
- The program motivated students to pursue research in medicinal and pharmaceutical chemistry.
- Academic interaction between experts, faculty, and students promoted knowledge sharing and research collaboration.
- Students became more aware of career opportunities in pharmaceutical industries and research institutions.

Number of Participants: 33 Students

Target Audience: UG and PG Students of KSS

Collaborating Department/Organization: NA

Students' Feedback

Students expressed positive feedback regarding the expert lecture on Medicinal Chemistry. They appreciated the practical insights into modern drug discovery and found the discussion on Molecular Docking and structure–activity relationships highly informative. The session helped participants connect theoretical concepts with real-world pharmaceutical applications and motivated them to explore research opportunities in medicinal chemistry and drug development.

Conclusion

The One Day Expert Lecture Series on “**Medicinal Chemistry: Modern Approaches in Drug Design**” concluded successfully with enthusiastic participation from students and faculty members. The lecture enhanced participants' understanding of modern drug discovery processes and highlighted the importance of Medicinal Chemistry in developing new therapeutic agents. Overall, the event enriched academic knowledge, encouraged scientific research, and promoted awareness of contemporary approaches in pharmaceutical sciences.

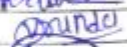
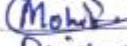
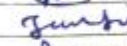
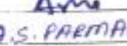
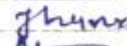
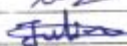
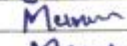
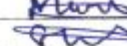
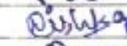
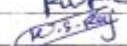
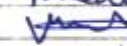
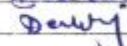
Photographs of Event





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 Hareeshbhai	
13	2407249035	Patanvadiya Abhikumar Mukeshbhai	
14	2407249038	Patanwadiya 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 Hasmukhbhai	

Name & Signature of Session Coordinator:

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

