



“COVALENCE” THE CHEMICAL SOCIETY
DEPARTMENT OF CHEMISTRY
DEEN DAYAL UPADHYAYA COLLEGE
(UNIVERSITY OF DELHI)



Activity Report: Academic Year 2025–26

1. Election of Office Bearers

Date: 10 September 2025

The election for the office bearers of *COVALENCE – The Chemical Society* was successfully conducted under the supervision of faculty members Dr. K. K. Jha, Dr. Sangeeta Talwar, and Dr. Reema Chhabra. The results were declared on the same day.

Elected Covalence Council (2025–26):

- **President:** Harshit Srivastava, B.Sc. (Hons.) Chemistry, III Year
- **Vice President:** Dilwar Yadav, B.Sc. Programme (Chemistry), III Year
- **Secretary:** Mousam Kumavat, B.Sc. (Hons.) Chemistry, II Year
- **Joint Secretary:** Mohit Saini, B.Sc. Programme (Chemistry), II Year

2. Covalence Society Inauguration & Lecture Workshop

Date: 20 September 2025.

Topic: “*Chemistry of Drilling and Production Fluids in the Oil and Gas Industry*”

A lecture workshop was organized in Room No. 307 under the convenorship of Prof. Mahaveer Genwa and Teacher-in-Charge Dr. Chetna Angrish.

The resource person, **Dr. Vinod Indora**, Manager (Chemistry), ONGC Vadodara Plant, delivered an enlightening lecture on the role of chemistry in the oil and gas industry. He discussed the composition, properties, and applications of drilling and production fluids, alongside their industrial significance and environmental considerations.

The interactive session enabled students to engage in meaningful discussions, enhancing their understanding of industrial chemistry. The workshop concluded with a vote of thanks, acknowledging the speaker and faculty members for their guidance. The event successfully fostered academic enrichment and career awareness among students.

3. Euphoria'25 – Freshers' Party

Date: 25 September 2025

The Department of Chemistry organized *Euphoria'25*, the official Freshers' Party, under the aegis of the Covalence Society. The event featured music, dance, and cultural performances, creating a lively and welcoming environment for first-year students.

Event Conveners: Dr. Sunny Manohar and Prof. Mahaveer Genwa

4. Diksharambh 2025 – Delhi Darshan Trip

Date: 4 October 2025

As part of the induction programme, an educational trip was organized to Nehru Planetarium, Science Gallery, Pradhan Mantri Sangrahalaya (Teen Murti), and the Indian Air Force Museum (Palam).

The visit aimed to provide students with experiential learning related to space science and aerospace defense while fostering peer bonding. Students participated enthusiastically in demonstrations and exhibitions, relating theoretical concepts to real-life applications.

Teacher Coordinators: Dr. Sangeeta Talwar (Trip Coordinator), Dr. Sunny Manohar, Dr. Kapil Bohra, Dr. Jyoti

Student Coordinator: Mohit Saini

5. Alumni Interaction - Lecture Workshop

Date: 15 October 2025

Topic: *“Introduction to Defence Research, Materials Science & Engineering, and Additive Manufacturing”*

Organized under the convenorship of Prof. Mahaveer Genwa and Dr. Chetna Angrish. Our alumnus **Mr. Vyom Sharma**, Department of Metallurgical and Materials Engineering, Defence Institute of Advanced Technology (DIAT), Ministry of Defence, highlighted the applications of chemistry in DRDO research, materials science, and additive manufacturing, emphasizing sustainability and industrial relevance. The interactive format encouraged student engagement and awareness of research-driven career opportunities.

6. Hands-on Training Workshop

Date: 11 November 2025

A hands-on experimental workshop focusing on **Chemical Kinetics using innovative methods** was conducted by Dr. Ratna and Dr. Shashi Saxena. Seven students from B.Sc. Programme (Physical Sciences) and B.Sc. Programme (Life Sciences), III Semester, actively participated.

Students performed experiments independently and submitted individual laboratory reports, strengthening their experimental skills and analytical understanding.

7. Industrial Visit to Gurukul Kangri University, Haridwar

Dates: 3–4 April 2026

Participants: 31 students

The Department of Chemistry organized a two-day academic visit to Gurukul Kangri University, Haridwar, accompanied by **College Principal Prof. Hem Chand Jain**.

Faculty Members: Prof. Sangeeta Talwar (Trip Coordinator), Prof. Mahaveer Genwa

Day 1: Rishikesh Exploration

The visit commenced with a serene evening walk along the Ganga Ghat, followed by visits to Laxman Jhula and Ram Jhula. The day offered relaxation, scenic exposure, and student bonding.

Day 2: Gurukul Kangri University Visit

Students travelled through the forest region witnessing the Chilla Dam before reaching Gurukul Kangri University. They explored the Central Library, Pharmacy Department, Museum, and academic facilities. University staff provided insights into pharmaceutical research, Ayurvedic products, and academic opportunities.

The visit effectively combined learning with exploration and enhanced students' understanding of pharmaceutical sciences.

8. Lecture Workshop on Intellectual Property Rights (IPR)

Date: 8 April 2026

Topic: *“From Campus to Creation: Protecting Your Ideas Through IPR”*

Under the DBT Star College Scheme and Science Foundation, the Covalence Society organized a lecture by alumnus **Mr. Rajat Panchal**, Examiner of Patents & Designs, Office of the Controller General of Patents, Designs & Trademarks, DPIIT.

The session emphasized the importance of Intellectual Property Rights and encouraged students to view themselves as innovators. Complex concepts related to patents, copyrights, trademarks, and designs were explained using relatable examples.

Convener: Dr. Chetna Angrish

Teacher-in-Charge: Prof. Mahaveer Genwa

9. Research Conclave @ Deen Dayal Upadhyaya College

Date: 17 April 2026

A Research Conclave was jointly organized by the RDC, RCC, SRC, and ACR. Undergraduate research students from the Department of Chemistry presented their projects, showcasing analytical skills and research outcomes.

The conclave promoted peer learning, expert feedback, and research motivation among Semester VI students aspiring for the IV-year programme.

Session Chairs:

- Prof. Mahaveer Genwa – Physical Chemistry
- Prof. Vinod Kumar – Inorganic Chemistry
- Prof. Sangeeta Talwar – Organic Chemistry

Session Co-Chairs: Members of SRC and ACR

10. Rasayanotsava'26 – Annual Festival

Dates: 10–11 April 2026

The annual fest of the Covalence Society was successfully conducted under the guidance of Prof. Sangeeta Talwar, Dr. Kapil Bohra, and Dr. Sunny Manohar.

11. Bon Voyage'26 – Farewell Ceremony

Date: 28 April 2026

The official farewell for graduating students was organized by the Department of Chemistry with Dr. Jyoti and Dr. Reema Chhabra as coordinators.
