

Report on

Outreach Activities

**Conducted under DBT Star College Scheme
FOR ACADEMIC YEAR 2023-24**

Date: 31.01.2024



Organized by:

**Department of Chemistry, Krishna Chandra College,
Hetampur, Birbhum, West Bengal.**

Event: Visit of Chemistry Department by Students from Neighboring Schools (1. Hetampur Raj Girls High School, 2. Dubrajpur Sree Sree Saradeswari Vidyamandir for Girls' (H.S.), 3. Dubrajpur Sri Sri Sarada Vidyapith, 4. Dubrajpur Girls' High School, 5. RBSD High School)

Objective: The primary goal of the outreach program was to foster interest in the field of chemistry among high school students from neighboring schools, provide them with exposure to advanced laboratory techniques, and inspire them to consider careers in science.

Participants:

- Students including one of the Guide teacher from following schools was present

1. Hetampur Raj Girls High School
2. Dubrajpur Sree Sree Saradeswari Vidyamandir for Girls' (H.S.)
3. Dubrajpur Sri Sri Sarada Vidyapith
4. Dubrajpur Girls' High School
5. RBSD High School

- Students and Faculty Members from the Chemistry Department, Krishna Chandra College, Hetampur

Total Number of School students: 95
Total Numbers of Teachers from Schools: 06
Total number of College students involved: 15
Total Number of Faculty of Chemistry Department: 07
Total Number Non Teaching staff involved: 03

Program Details:

1. Welcome and Introduction:

- The program began with a warm welcome by Dr. Lalan Chandra Mandal , Head of the Chemistry Department. Dr. Gautam Chatterjee, Principal of the college delivered his speech indicating perspective and aim of this outreach programme. Dr. Shyamal K. Jash, Overall Coordinator of DBT Star College Scheme, and IQAC Coordinator of the college delivered motivational speech to the students and explained in details the motto of the programme. The students of the Chemistry Department were introduced to the facilities and provided with an overview of the department's research and educational activities.

2. Laboratory Tour:

- The visiting students were given a guided tour of the college's chemistry laboratories. Faculty members demonstrated various laboratory equipment and techniques, including spectroscopy, chromatography, and titration. Students had the opportunity to observe ongoing experiments and interact with the faculty.

3. Hands-On Activities:

- The students participated in hands-on experiments designed to be both educational and engaging. Activities included:
 - **Chemical Reactions:** Simple and safe chemical reactions to illustrate basic principles.
 - **pH Measurement:** Using pH indicators to test different solutions.
 - **Crystal Formation:** Growing crystals to observe and study their properties.
 - **Other activities like Titration, Use of UV- Visible Spectrometer instrument were shown to the students.**

The following instruments and their function were shown and demonstrated by the students and faculty members of the Department : Mr. Tanay Kumar Mondal, Saikat Kumar Ruj and Arif-Ul Haque:



4. Interactive Session:

- An interactive session was held where students could ask questions about chemistry as a subject, potential career paths in science, and higher education opportunities. Faculty members provided insights and shared their experiences in the field.

5. Presentation:

- A presentation titled "The Wonders of Chemistry: From the Lab to Everyday Life" was delivered by Dr. Debranjana Ghosh, Associate Professor of Department of Chemistry.

The presentation highlighted the relevance of chemistry in everyday life and its impact on various industries.

6. Feedback and Closing Remarks:

- The program concluded with a feedback session where students shared their experiences and suggestions. Mr. Santosh Sing Sardar, Asst. Professor of Chemistry thanked the students for their participation and encouraged them to pursue their interest in science.





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Outcomes:

- The program successfully sparked interest among the high school students, with many expressing a newfound enthusiasm for chemistry.
- Students gained practical experience through hands-on activities and better understood the practical applications of chemistry.
- Positive feedback was received from both students and teachers, with requests for similar future events.

Acknowledgments:

- We extend our gratitude to the all faculty members who dedicated themselves in organization and facilitated the program.
- Special thanks to the visiting students and their teachers for their participation and engagement.

Future Recommendations:

- It is recommended to conduct similar outreach programs on a regular basis to continually inspire and educate young minds.
- Consider expanding the program to include more interactive and diverse activities based on student feedback.

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