

Report on Nobel Day Celebrations 2025

Organized by: Department of Chemistry

**Institution: Government College (Autonomous),
Rajamahendravaram**

1. Introduction

The Nobel Prize is the world's most prestigious award, established by the will of Alfred Nobel to honor those who have provided the "greatest benefit on mankind". Observed annually on December 10th, Nobel Day celebrates scientific temper and the transformative power of research.

In alignment with this global spirit, the Department of Chemistry organized a special celebratory event. By engaging students in a Poster Presentation Competition, the department aimed to inspire the next generation of scientists to move beyond textbooks and immerse themselves in the stories of innovation behind significant chemical breakthroughs.

2. Objectives of the Programme

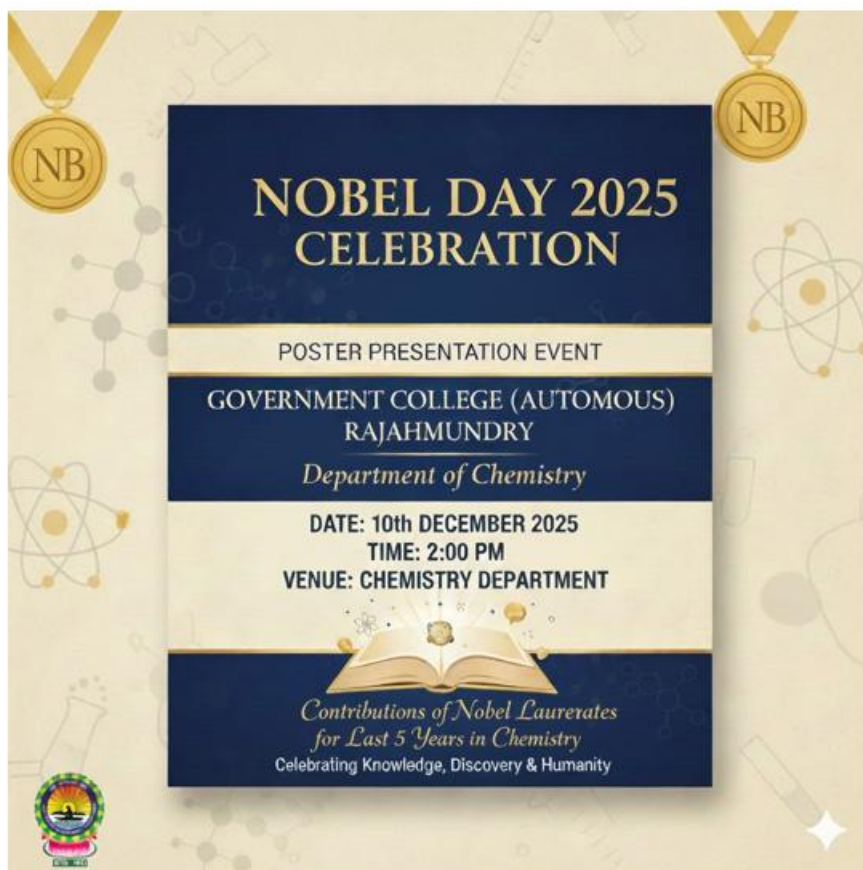
The primary goals of this initiative were:

- Commemorating Scientific Excellence: Honoring Nobel Laureates who have advanced human knowledge in Chemistry.**
- Fostering Scientific Temper: Encouraging interest in research and innovation beyond the standard curriculum.**
- Enhancing Presentation Skills: Providing a platform to develop academic communication through technical posters.**

- **Promoting Awareness of Modern Research: Familiarizing students with recent discoveries such as Click Chemistry, Quantum Dots, and Green Synthesis.**
- **Bridging Theory and Practice: Helping students connect classroom concepts to real-world impacts**

3. The Event Launch

The program commenced on December 10, 2025, at 2:00 PM. The outreach began with an official flyer inviting students to translate complex chemical theories into visual narratives.



4. Participant Overview

The event saw enthusiastic participation from both Undergraduate and Postgraduate students, with a total of 20 participants.

Academic Level	Number of Participants	Specialization/Category
Postgraduate (M.Sc.)	15	Organic, Analytical, and Physical Chemistry
Undergraduate (B.Sc.)	5	III B.Sc. Chemistry (H)
Total Participation	20	

5. Theme & Technical Presentations

The central theme for the competition was "Pioneers of the New Era: Celebrating Nobel Laureates in Chemistry (2021–2025)". This theme allowed students to explore the most recent and impactful breakthroughs in the scientific world.

Program Coordinator

Dr.M.Padmaja

Panel of Judges

The poster session was evaluated by a distinguished panel of faculty members who assessed the participants based on their technical command and presentation clarity:

- **Dr. K. Narasimha Murthy**
- **Dr. M. Trinadh**
- **Dr. M. Shanta Kumari**
- **Dr. P. Surekha**

Highlights of Student Presentations:

- **Md. Soha Alia: Delivered an excellent and in-depth presentation on Quantum Dots, meticulously detailing their synthesis and the physical properties that led to the 2023 Nobel Prize.**
- **Rachel: Presented the discovery and synthesis of Quantum Dots (2023 Nobel Prize), specifically highlighting their revolutionary role and diverse applications in the field of nanotechnology.**
- **Vizesh: Provided a comprehensive explanation of the development of Metal-Organic Frameworks (MOFs), focusing on the foundational and practical contributions of Susumu Kitagawa, Richard Robson, and Omar M. Yaghi.**
- **Collaborative Sessions: Groups of students actively engaged the audience by explaining the development of Asymmetric Organocatalysis, emphasizing its role as a major breakthrough in sustainable and "green" chemical synthesis.**



Rachel presenting the revolutionary discovery and synthesis of **Quantum Dots**, pioneered by Nobel Laureates **Moungi Bawendi, Louis Brus, and Alexei Ekimov** (2023).



Vizesh explaining the revolutionary development of **Metal-Organic Frameworks (MOFs)**



Students explaining **Development of Asymmetric Organocatalysis**.

6. Recognition of Academic Excellence

Following a rigorous evaluation of technical content and visual clarity, the following students were recognized for their outstanding work:

- **First Prize: Md. Soha Alia (II M.Sc.)**
- **Second Prize: Mutyalu and Rambabu (I M.Sc.)**
- **Third Prize: Kusmitha (II M.Sc.)**
- **Consolidation Prize: S. Satwika (II M.Sc.)**

7. Media & Press Coverage

The event received positive attention from the local press, highlighting the department's efforts to foster a research-oriented environment among students.



Conclusion

The Nobel Day 2025 celebrations successfully provided a platform for academic growth, allowing students to explore the cutting edge of chemical research while developing essential professional skills.