

Key Indicator 3.3- Extension Activities

- **Metric no. 3.3.1** Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year 2022-23

Describe the impact of extension activities in sensitizing students to social issues and holistic development within a maximum of 200 words.

Report on Extension Activities

Date: 09.12.2023 to 17.12.2023

Venue: Singur, Hooghly, West Bengal

Participants: A total of 5 students from Department of Physics, Rabindra Mahavidyalaya participated, with 2 from Semester 3 and 3 from Semester 5. Each student group worked collaboratively to prepare and present their unique science models.

Objective:

- Encourage scientific curiosity and a love for STEM among community members.
- Highlight the importance of STEM education through practical applications.
- Share students' scientific knowledge with the local community.
- Strengthen the relationship between the academic institution and the community.
- Provide hands-on learning opportunities for attendees.
- Motivate young attendees to pursue careers in science and technology.
- Showcase practical solutions to real-world problems.
- Enhance students' communication and presentation skills.
- Foster community engagement and involvement.

Exhibited Science Models:

1. **Demonstration of Mutual Inductance:** This model showcased the principles of mutual inductance between a primary and a secondary coil.
2. **Tesla Coil:** This model highlighted electrical transformer that uses high-frequency alternating current (AC) to increase voltage so that electricity in a Tesla coil can travel through the air often with arcs of lightning.
3. **Water ATM:** Focused on conservation and regulated usage of water this model was aimed at showcasing a ATM like concept which will dispense a limited amount of water if a valid "Water ATM card" is kept in place.
4. **People Counter:** This model demonstrated a counter which will keep the count of people entering a particular room or crossing a particular line.

Activities and Engagements:

- **Interactive Demonstrations:** Students provided live demonstrations of their models, explaining the underlying scientific principles and answering questions from the audience.

- **Hands-On Activities:** Attendees, especially children, were encouraged to participate in simple hands-on activities and experiments.
- **Science Quizzes:** Conducted to test and enhance the scientific knowledge of the audience as a part of a fun activity.

Outcomes: The extension activities were highly successful and achieved their primary goal of fostering interest in science among community members. The event saw the participation of over 200 people, including children, parents, and educators. Noteworthy outcomes included:

- Increased awareness and enthusiasm for scientific concepts and innovations.
- Positive feedback from attendees, highlighting the educational value of the exhibits.
- Strengthened community bonds and collaboration between the institution and local residents.

Notice Link:

https://rabindramahavidyalaya.ac.in/dept_notice/Singur%20Boimela%202023.pdf

Invitation for the event and Principal's note:

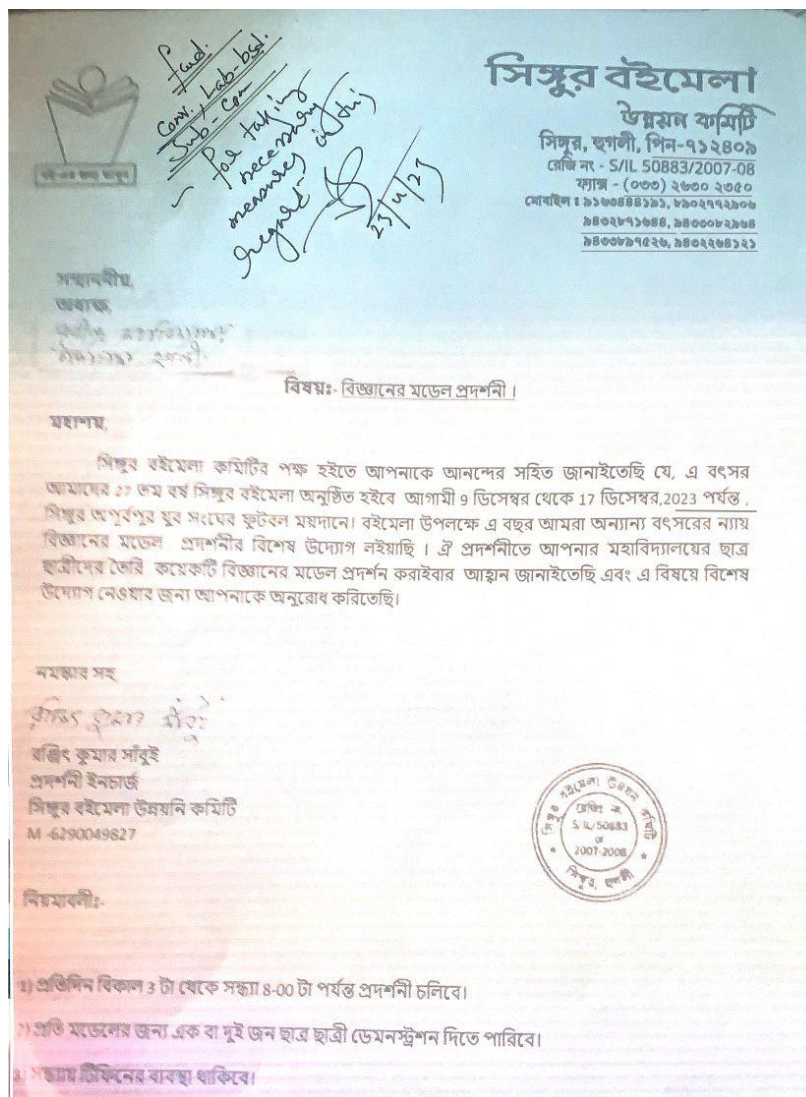


Figure 1: Invitation from organizers with Principial's note

Photograph From the event:



Figure 2: Semester III students with their models



Figure 3: Students demonstrating their science model in presence of one of the departmental faculty

Example of Certificates received from Organizers

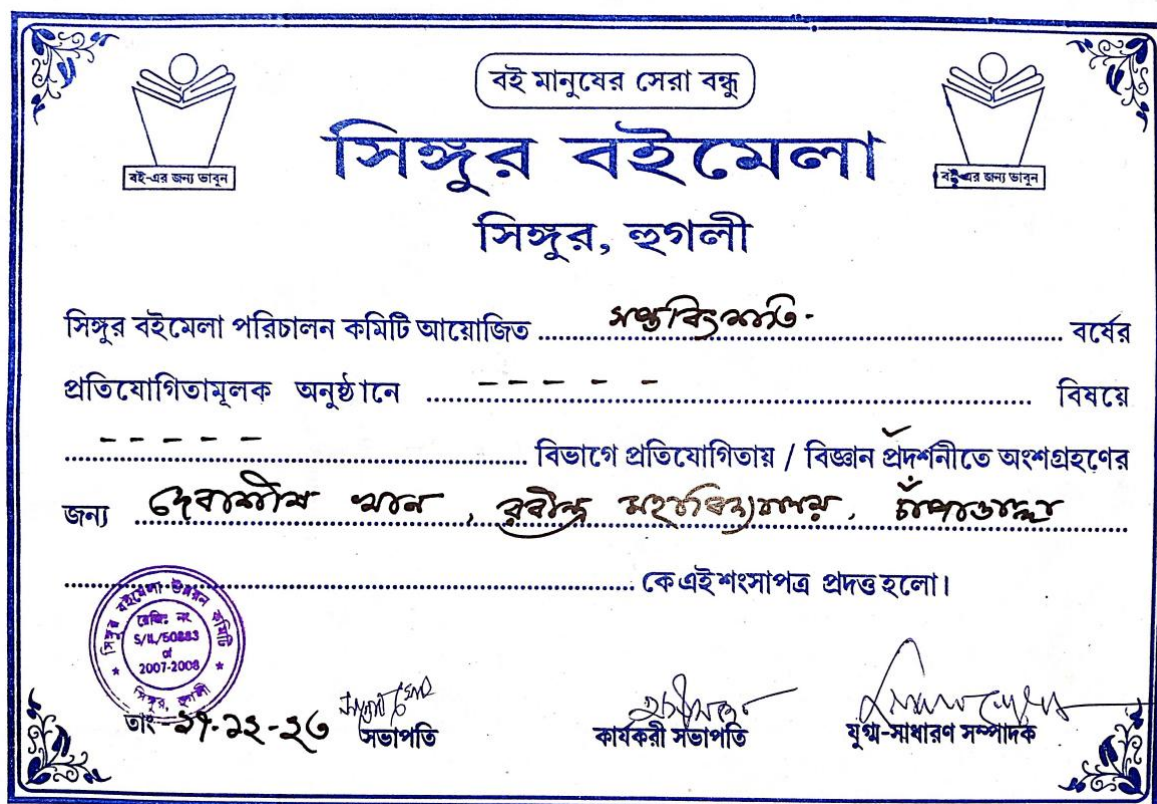


Figure 4: Example of certificate received from the organizers for the model exhibition

- Metric no. 3.3.2 Number of awards and recognitions received for extension activities from government / government recognized bodies during the year 2022-23

NIL