

## **Visit to IISER Kolkata on National Science Day**

**Date of Visit:** 28<sup>th</sup> February, 2024

**Organized by:** Scientia, Science Club of Barasat Govt. College

**Time:** 11 am – 5 pm

**Venue:** Indian Institute of Science Education and Research Kolkata (IISER KOLKATA) at Mohanpur campus, Kalyani

**Total Number of participants:** Students (15) + Teachers (2)

Name of Student	Semester	Department
Sayan Halder	UG Sem -6	Zoology
Safina Alam	UG Sem -4	
IshikaSardar	UG Sem -1	
Farhan Hossain	UG Sem -1	Physics
Sagnik Dutta	UG Sem -1	
Tuhin Biswas	UG Sem -1	
Soumita Ghosh	UG Sem -4	Mathematics
Sk Samin	UG Sem -4	
Akash Das	UG Sem -6	
Soumalya Sil	UG Sem -6	
Tamanna Saha	UG Sem -6	
SangbartGhosh	UG Sem -6	Botany
Ayan Biswas	UG Sem -6	
Saptarshi Das	UG Sem -6	
Rohini Mondal	UG Sem -1	Chemistry
<b>Total Students = 15</b>		
Name of Teacher	Department	
Dr. Nisith Chandra Das	Mathematics	
Dr. Prasanta Paul	Mathematics	

### **Objective:**

1. To arouse curiosity of the young minds.
2. To enhance conceptual understanding of topics previously learned by the students.
3. To acquaint students with advanced research and higher education opportunities at IISER
4. To relate institutional research with the course content at college.

### **Practice:**

- Scientia, Science Club of Barasat Government College organized a visit to IISER (Indian Education of Science Education and Research), Kolkata on National Science Day. The day started with a trip to the Biological Research laboratories to learn about current research works on protein chemistry and cancer treatment.
- Students learned the techniques of preservation and culture procedure of animal or plant cells for research purposes.
- Research scholars of the Institute demonstrated operation of various instruments along with explanation of the principle of working to the students. They were acquainted with cutting edge research facilities of the institute and interacted with young researchers and professors.

- They also participated in the science exhibition where various science experiments and models were exhibited and explained.
  - Lastly, students attended popular science talk at Ashima Chowdhury Lecture hall on solar and gravitational astronomy.
  - The students were encouraged to record their experiences.
- The experience provided an impetus to the students to pursue scientific research in future.


**INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH KOLKATA**  
cordially invites you to

# INSTITUTE OPEN DAY

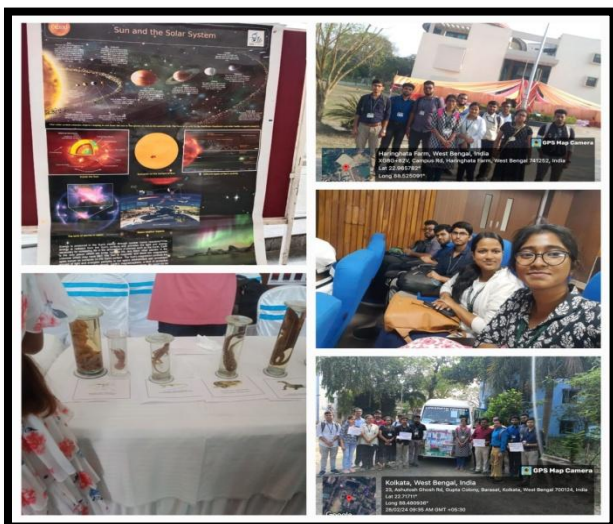
on the occasion of  
**NATIONAL SCIENCE DAY**  
**28TH FEBRUARY, 2024**  
**RABINDRANATH TAGORE AUDITORIUM**

**11:00 AM to 03:00 PM**  
Laboratory visits at the institute's departments and insight into cutting edge research facilities  
Interactions with young researchers, students and professors  
Exhibition . Models . Displays . Posters

**03:00 PM to 05:00 PM**  
First screening of the documentary film "Acharya Prafulla Chandra Ray : a chemist a humanist"  
Popular science talk by Prof. Padmanabhan Balaram (former director, Indian Institute of Science)



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**A Memorable Day In IISER Kolkata**  
*(Arshad Hossain, Sem-I, Physics I Honours.)*

At the very first I would like to give special gratitude to the honorable principal of our college, Dr. Samar Chattopadhyay and also to the professors of mathematics, Dr. Health Chandra Das and Dr. Prasanta Paul, to give me the opportunity of visiting the institute like IISER on the occasion of National Science Day, 28.02.2024. In the morning a group of about 15 students and some professors of my institution, I was impressed by the environment, decorations, discipline of the campus. I can't express the excitement of my journey as we got to the institute by the bus at about 10:30 AM. Then Health sir delivered a beautiful lecture on National Science Day, after Health sir, the respective principal shared the story of our CV Raman and his Nobel prize and also told about IISERK.



After that we started our journey by a mini bus. In the bus Akshay Das served us an energetic speech. We arrived in the campus of IISER Kolkata at about 11:00 AM. Many lectures were invited for the institute for the "Institute Open Day" program. I was impressed by the environment, decorations, discipline of the campus. I can't express the excitement of my journey as we got to the institute by the bus at about 10:30 AM. Then Health sir delivered a beautiful lecture on National Science Day, after Health sir, the respective principal shared the story of our CV Raman and his Nobel prize and also told about IISERK.



Then our professors registered our names for the programme. Then after we went to the biological research lab followed by a volunteer of the institute. There a researcher of the lab described about the all the cases, instruments and machines used by him. There I came to know about a lot of research works specially on proteins and cancer treatment. Then he showed us how they preserve animal or plant cells for research works and how they grow the cells artificially.



**A memorable day at IISER Kolkata on National Science Day (28.02.2024)**  
*(Juhin Biswas, Semester I I, Physics Department)*

This is a memorable day of my life. We were 15 students in our group along with our respected professors of Mathematics Department, Dr. Prasanta Paul and Dr. Nalini Chandra Das. Before our journey started our honorable principal Dr. Samar Chattopadhyay delivered an energetic lecture about higher study and IISERK on occasion of National Science Day. Then we started our journey and entered at the campus of IISER Kolkata at about 11:00 AM.




Then our professors registered our names for the programme. Then at first I went to the Biological Science lab for visiting. I came to know about a lot of research works specially on proteins and cancer treatment from there. Then they showed me how to preserve animal or plant cells for research works and how they grow the cells artificially. They also showed me a lot of equipments and machines usually use in Biological sciences.



**Biological Science Lab**

**A VISIT TO IISER KOLKATA ON 28<sup>TH</sup> FEBRUARY 2024**  
*(NISHU MONDAL, CHEMISTRY HONORS, SEM-1)*

On National Science Day, I had the incredible opportunity to visit the esteemed Indian Institute of Science Education and Research (IISER) in Kolkata. We were a group of about 15 students from my school, along with two teachers of my school, Dr. Prasenjit Das and Dr. Health Chandra Das. We started the journey from our college at about 10:30 AM and reached there at 11:30 AM.




After our registration was done by the professors, I, along with my friends went to the Biological Science lab visiting, escorted by a research in this lab. Being a PCB student I thought that I had to able to enjoy the lab, but the professors at IISER were so good that I almost understood everything they told us. I came to know different aspects of biological research, such as various types of bacteria and their use in research, research on cancer treatment, how to make DNA, all kinds of other things. They also told us about DNA and its importance in research. There were different kind of machines used by the researchers that caught my eye.



After the lab visit we also went to another lab where they prepared a cancer medication. There I came to know about various cells and didn't know for millions of years. There were also various posters on cancer, along with I had a poster on Sun and Solar System. I participated in a small game there, but unfortunately due to scarcity in time I could not finish it.





## Student's reports on the visit