



# BIJOY KRISHNA GIRLS' COLLEGE, HOWRAH

A NCTE and NAAC accredited (B<sup>++</sup>) College

5/3, MAHATMA GANDHI ROAD, HOWRAH – 711 101

RESEARCH & DEVELOPMENT CELL, IQAC

## Report on Visit to Satyendra Nath Bose National Centre for Basic Sciences & Attend IAP-WiSTEMM Programme

1. **Workshop/Seminar/Conference/Invited or Extension Lecture:** Interactive Session under IAP-WiSTEMM Initiative
2. **Online/Offline:** Offline
3. **Institutional/International/National/Regional:** Regional
4. **Title:** Visit to Satyendra Nath Bose National Centre for Basic Sciences & Attend IAP-WiSTEMM Programme
5. **Date:** February 1, 2025
6. **Organizers:** Inter-Academy Panel for Women in STEMM (IAP-WiSTEMM), jointly organized by the Indian National Science Academy (INSA), the Indian Academy of Sciences (IASc), and the National Academy of Sciences, India (NASI), in collaboration with Satyendra Nath Bose National Centre for Basic Sciences (SNBNCBS), Kolkata.  
The tour is organized by the Departments of Botany, Chemistry, Computer Science, Physics, Mathematics, Microbiology and Zoology, Bijoy Krishna Girls' College, Howrah
7. **Funding:** Department of Biotechnology (DBT) Star College Scheme Initiative
8. **Collaborators (with proof):**
  - Satyendra Nath Bose National Centre for Basic Sciences (SNBNCBS), Kolkata
  - Indian Institute of Science Education and Research (IISER) Kolkata
  - Indian Statistical Institute (ISI) Kolkata
  - Indian Institute of Technology (IIT) Kharagpur
  - Bijoy Krishna Girls' College, Howrah (under DBT Star College Scheme Initiative)



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From: Dr. Somdatta Sinha  
INSA Honorary Senior Scientist, IISER Kolkata

January 13, 2025

Dear Principal,

First, wish you and all the students, staff and faculty of your college a very happy and successful 2025.

I am writing this letter on behalf of the members of the regional taskforce of the Inter-Academy Panel for Women in STEM (IAP-WiSTEMM, <https://wistem.in/>), which is a joint initiative of the three national science academies of India - the Indian National Science Academy (INSA), the Indian Academy of Sciences (IASc), and the National Academy of Sciences, India (NASI). This initiative aims to be an inclusive one-stop resource for women working in India in any area of Science, Technology, Engineering, Mathematics, Medicine (STEMM) and allied fields. Along with highlighting the contributions of women in Indian science, it also aims to conduct mentorship interactions and programmes to provide avenues for young women students and faculty to interact; collate inspiring stories of women scientists, conduct summer programmes including leadership training programmes for women of different age groups.

To expand the reach of the initiative all over India we are starting to organize different programmes in different regions. I am writing to seek your help and collaboration in this endeavour. **We plan to organize an interaction with the undergraduate girl students studying different Science subjects from different colleges in and around Kolkata. This interaction will take place at the Satyendra Nath Bose National Centre for Basic Sciences (SNBNCBS, Block-JD, Sector-III, Salt Lake, Kolkata-700 106) on Saturday February 1, 2025 from 11AM to 5PM. The programme will consist of a few interactive talks by established women scientists from different disciplines, in which we expect the students to be active**

**participants. We also plan an interaction to discuss what are the possibilities/options for students to pursue activities in the field of science along with pure academic research/teaching.** The students will also get the opportunity to meet and ask any questions to women scientists and PhD students that they may have. I am sure the faculty accompanying the students will also find the programme and interaction very useful. We will have a tea break for 30 minutes at 3PM. I seek your permission in allowing the students to attend the above-mentioned programme on Feb 1.

To help us organize this programme, please let us know -

- How many students will be attending.
- What will be their academic level (e.g., 1st, 2nd or 3rd year), and main subject of study (e.g., Math, Phys, Chem, Biol, Env. Sci., etc.)
- How many faculty members will accompany them.

Kindly let us know your views by **January 20th**. We are looking forward to interacting with your students and faculty, and hope that this will pave the way for useful long term interactions between science and society through them. I will be happy to answer any queries that you may have.

With best regards,

*Somdatta Sinha.*

(Somdatta Sinha)

Cell: 8968744849; Email: [somdattasinha@gmail.com](mailto:somdattasinha@gmail.com)

**On behalf of:**

Dr. Anindita Bhadra, Biological Sciences, IISER Kolkata

Dr. Sushmita Mitra, Computer Sciences, ISI Kolkata

Dr. Swagata Dasgupta, Chemistry, IIT Kharagpur



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### Resource Persons:

- Dr. Somdatta Sinha, INSA Honorary Senior Scientist, IISER Kolkata
- Dr. Anindita Bhadra, Biological Sciences, IISER Kolkata
- Dr. Sushmita Mitra, Computer Sciences, ISI Kolkata
- Dr. Swagata Dasgupta, Chemistry, IIT Kharagpur
- Dr. Tanusri Saha-Dasgupta, Physics, SNBNCBS, Kolkata

### Number of Participants:

- Total Students Attended: 30

- **Botany**

1. Anuska Khan (Semester III)
2. Pushpita Mondal (Semester III)
3. Shatadipta Das (Semester I)

- **Chemistry**

4. Sayani Dasgupta (Semester V)
5. Shraddha Kanrar (Semester V)
6. Payel Mondal (Semester V)
7. Shinjan Chakrabarty (Semester V)
8. Suchana Halder (Semester V)

- **Computer Science**

9. Sumaita Khatun (Semester III)
10. Tulana Das (Semester III)
11. Tanaya Ghosh (Semester III)
12. Dipanwita Mandal (Semester III)

- **Mathematics**

13. Indrani Taki (Semester III)
14. Sayeeda Monsur (Semester III)
15. Sayani Mazumder (Semester III)

16. Sayani Das (Semester III)

17. Urmi Nath (Semester III)

- **Microbiology**

18. Udit Das (Semester III)
19. Uttara Basu (Semester III)
20. Ankita Patra (Semester III)
21. Bidisha Basak (Semester III)
22. Soumyata Saha (Semester III)

- **Physics**

23. Rumela Ghosh (Semester I)
24. Nidhi Singh (Semester V)
25. Artee Kumari (Semester V)

- **Zoology**

26. Ritika Das (Semester III)
27. Anupriya Shukla (Semester III)
28. Megha Hazra (Semester III)
29. Suhrita Dutta (Semester III)
30. Namrata Roychowdhury (Semester III)

- Accompanying Faculty Members: 5

1. Dr. Papiya Ghosh
2. Dr. Rupak Bhattacharyya
3. Dr. Pratap Mondal
4. Dr. Tanbir Nasim
5. Dr. Shyamal Kumar Pal

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**RESEARCH & DEVELOPMENT CELL, IQAC**

E-mail: rdcell@bkgc.in

Phone: 033-26412341

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**RESEARCH & DEVELOPMENT CELL, IQAC**Visit to  
Satyendra Nath Bose National Centre for Basic Sciences, Kolkata 106

&amp;

Attend  
IAP-WiSTEMM Programme

Date-01.02.2025

Attendance Sheet

Sl	Department	Semester	Full Name	Mobile Number	Signature
1	Botany	III	Anuska Khan	9748061234	Anuska Khan.
2	Botany	III	Pushpita Mondal	8420902174	Pushpita Mondal
3	Botany	I	Shatadipta Das	7439814971	Shatadipta Das
4	Chemistry	V	Sayani Dasgupta	7439546341	Sayani Dasgupta
5	Chemistry	V	Shraddha Kanrar	7044459990	Shraddha Kanrar
6	Chemistry	V	Payel Mondal	7596893835	Payel Mondal
7	Chemistry	V	Shinjan Chakrabarty	6291185561	Shinjan Chakrabarty
8	Chemistry	V	Suchana Halder	8420535118	Suchana Halder.
9	Computer Science	III	Sumaita Khatun	9836873635	Sumaita Khatun
10	Computer Science	III	Tulana Das	9073289096	Tulana Das.
11	Computer Science	III	Tanaya Ghosh	9330644951	Tanaya Ghosh
12	Computer Science	III	Dipanwita Mandal	6289288188	Dipanwita Mandal
13	Mathematics	III	Indrani Taki	8777326594	Indrani Taki
14	Mathematics	III	Sayeeda Monsur	9749137363	Sayeeda Monsur.
15	Mathematics	III	Sayani Mazumder	9088185181	Sayani Mazumder
16	Mathematics	III	Sayani Das	7890163035	Sayani Das
17	Mathematics	III	Urmi Nath	8584975022	Urmi Nath
18	Microbiology	III	Udita Das	9433546412	Udita Das
19	Microbiology	III	Uttara Basu	6290946556	Uttara Basu
20	Microbiology	III	Ankita Patra	6289301945	Ankita Patra
21	Microbiology	III	Bidisha Basak	7980690434	Bidisha Basak.
22	Microbiology	III	Soumyata Saha	7980513003	Soumyata Saha.
23	Physics	I	Rumela Ghosh	8902682893	Rumela Ghosh
24	Physics	V	Nidhi Singh	7044293701	Nidhi Singh
25	Physics	V	Artee Kumari	9432355422	Artee Kumari.
26	Zoology	III	Ritika Das	8777821983	Ritika Das
27	Zoology	III	Anupriya Shukla	7980193959	Anupriya Shukla.
28	Zoology	III	Megha Hazra	9330046770	Megha Hazra.
29	Zoology	III	Suhrita Dutta	9073806293	Suhrita Dutta
30	Zoology	III	Namrata Roychowdhury	6291124237	Namrata Roychowdhury



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**Report:** The interactive session under the IAP-WiSTEMM initiative provided an enriching experience for undergraduate female students. The event featured insightful talks by established women scientists across various STEM disciplines, discussing career opportunities, academic research pathways, and leadership roles for women in science. The interaction between students, faculty members, and resource persons fostered an engaging learning environment. The visit also facilitated discussions on interdisciplinary collaboration, inspiring young minds to pursue scientific research and innovation. Networking opportunities allowed the students to interact with experts, PhD scholars, and fellow students from different institutions, fostering meaningful discussions about research and innovation. The students actively participated in question-and-answer sessions, gaining clarity on academic and career prospects in STEM fields. Many expressed their enthusiasm for pursuing higher education and research, encouraged by the inspiring journeys of the invited resource persons.

The event also provided a platform to discuss the challenges faced by women in STEM and the importance of mentorship in overcoming these barriers. The discussions extended to funding opportunities, interdisciplinary research possibilities, and the importance of collaborations between colleges and research institutes. Students left the event with valuable knowledge, motivation, and a stronger sense of purpose in their academic and professional pursuits.

Under the DBT Star College Scheme Initiative, Bijoy Krishna Girls' College played a pivotal role in encouraging and organizing student participation for the event. The college facilitated student nominations from various science departments, ensuring an active and diverse group of participants. Faculty members from the college accompanied the students, guiding them throughout the visit and engaging in discussions on potential collaborations and research opportunities. This participation reinforced the college's commitment to promoting STEM education and empowering young women in scientific fields.

### **Programme Outcome:**

- Increased awareness about career opportunities for women in STEM fields, including research, industry, and academia.
- Enhanced student motivation to pursue higher education and scientific research through



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exposure to role models and real-world experiences.

- Strengthened networks between students, faculty, and eminent women scientists, fostering mentorship and guidance for future career paths.
- Encouraged interdisciplinary discussions and collaborative thinking, helping students understand the intersection of various scientific disciplines.
- Provided students with hands-on learning experiences and interactive discussions on challenges faced by women in STEMM and ways to overcome them.
- Inspired confidence among students to take leadership roles in their respective fields and actively participate in scientific communities.
- Initiation of potential future collaborations between Bijoy Krishna Girls' College and premier research institutes, ensuring continuous engagement and academic exchange.

### 13. Poster/Brochure/Banner:

 **Bijoy Krishna Girls' College, Howrah**  
5/3 MG Road, Howrah 711101  
R&D CELL, IQAC

 Department of  
BioTechnology,  
Government  
of India  
सत्यमेव जयते

**A DBT STAR COLLEGE SCHEME INITIATIVE**  
Departments of Botany, Chemistry, Computer Science, Mathematics,  
Microbiology, Physics & Zoology

**Visit to**  
**Satyendra Nath Bose National Centre for Basic Sciences, Kolkata 106**  
**&**  
**Attend**  
**IAP-WiSTEMM Programme**  
**on**  
**February 1, 2025**



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### 14. Sample certificate:





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## 15. Geotagged Pictures:





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Visit to SNBNCBS, Kolkata 106:  
IAP-WiSTEMM Programme

01 Feb, 25, 04:35:12 PM



Visit to SNBNCBS, Kolkata 106:  
IAP-WiSTEMM Programme

01 Feb, 25, 11:15:01 AM



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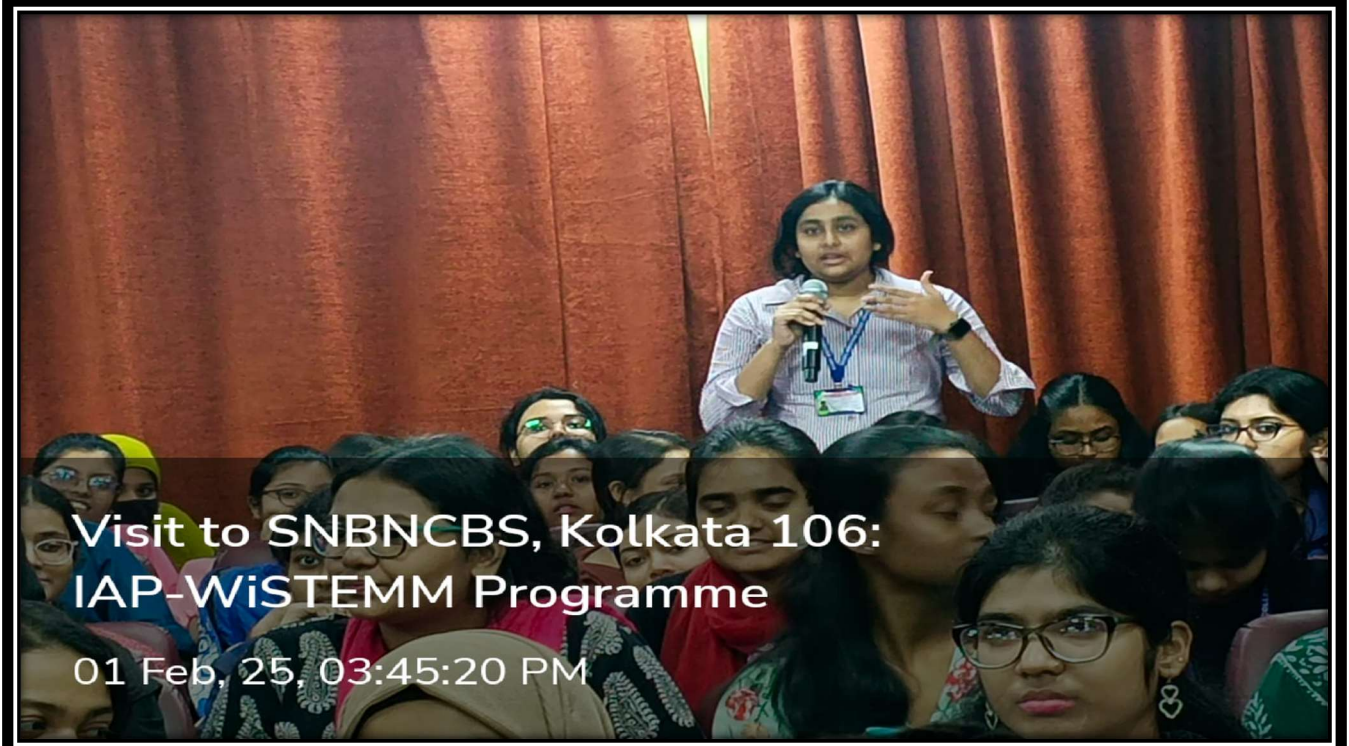
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Visit to SNBNCBS, Kolkata 106:  
IAP-WiSTEMM Programme

01 Feb, 25, 03:09:17 PM



Visit to SNBNCBS, Kolkata 106:  
IAP-WiSTEMM Programme

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