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- **TITLE OF EVENT/ PROGRAMME (SEMINAR/ WEBINAR/ WORKSHOP/ EXTENSION LECTURE/ EXTENSION ACTIVITY/ ANY OTHER ACTIVITY):**

Visit to a Research Institute

- **THEME OF THE EVENT/ PROGRAMME:**

Introduction of graduate students to Research Laboratories and research environment

- **ACADEMIC SESSION:** 2022-2023
➤ **DATE:** 2nd February, 2023
➤ **VENUE:**

Bose Institute Unified Academic Campus, Bidhan Nagar, Kolkata-700091

- **OBJECTIVE/ PURPOSE:**

A total number of 25 students of semester 1 from the Department of Biochemistry were selected and sent for a visit to the laboratories in Bose Institute with a view to develop rich research eco-culture and encourage a scientific temper towards research and technology among the students. The sole purpose of conducting the Research institute Tour was to aware the students about the benefits of scientific research and technology. The young students were encouraged towards scientific researches by the senior and young researchers who shared their research infrastructure with them. The students were being exposed for the first time to the research eco-culture through demonstration of scientific experiments and sophisticated instruments .

- **SPEAKER/S / RESOURCE PERSON/S:**

The day started with a Welcome Address by Dr. Anupama Ghosh, Associate Professor, Division of Plant Biology, Bose Institute, followed by two lectures by two eminent scientists:

- (1) Introduction to microscopy techniques used in biological research by Prof. Srimanti Sarkar.
- (2) Fundamentals of the analysis of the biological macromolecules by Prof. Subho Chaudhuri.

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TARGET AUDIENCE/ PARTICIPANTS:

A total number of 25 students of semester 1 from the Department of Biochemistry were selected and sent.

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➤ **ATTENDANCE SHEET:**

1. Soumyadeep Paul
2. Shayantan Mitra
3. Indravati Saha
4. Monami Adhikary
5. Anindya Halder
6. Parna Kundu
7. Sonakshi Pramanik
8. Sreeparna Sahoo
9. Arni Maity
10. Nausheen Nisar Ansari
11. Preranna Sheet
12. Soumalya Naiya
13. Md Shoaib Ahmed Ansari
14. Sumon Satpati
15. Srijani Saha
16. Suvansha Singh
17. Prerana Mazumdar
18. Pratul Acharya
19. Sk Anzum Rana
20. Ahanabha Sett
21. Saheli Chowdhury
22. Dipayan Singha
23. Payel Halder
24. Subarna Mondal
25. Suzana Dey


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➤ **BRIEF REPORT ABOUT THE EVENT/ PROGRAMME:**

A total number of 25 students of semester 1 from the Department of Biochemistry were selected and sent for a visit to the laboratories in Bose Institute with a view to develop rich research eco-culture and encourage a scientific temper towards research and technology among the students. The day started with a Welcome Address by Dr. Anupama Ghosh, Associate Professor, Division of Plant Biology, Bose Institute, followed by two lectures by two eminent scientists:

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The students were next transferred to laboratory where they were provided with demonstration and hands-on experiences of selected scientific experiments and modern sophisticated instruments. The instruments shown included nucleic acid and protein gel electrophoresis system, confocal microscopy, automated analyzer, centrifuge and lyophilizer. The students were also accompanied to visit the tissue culture facility where they were shown how the maize plants are grown, injected with *Ustilago maydis* fungus and their effects on the maize plants. The final visit for the students was arranged to a Microbiological laboratory to observe the microbiological experiments on streaking of bacterial colonies and growth of microbes in BOD incubator and shaker.

The students were next transferred from Bose Institute, Saltlake Campus to main campus at Rajabazar, Kolkata where they were allowed to have a tour round the building and visit the museum. During this short-tour, the students were enlightened with the history of the institute and reminiscence of the pioneer research works of Sir Acharya Jagadish Chandra Bose followed by an exhibition of his instruments.

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➤ **EXPECTED OUTCOME:**

The students were exposed to the outer and broader scientific research community. The students were being exposed for the first time to the research eco-culture through demonstration of scientific experiments and sophisticated modern instruments which they study theoretically in their syllabus.

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