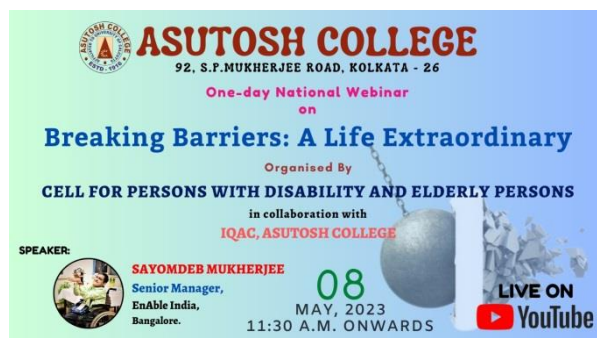


**MAY, 2023**

**REPORT ON ONE-DAY NATIONAL WEBINAR *BREAKING BARRIERS: A LIFE EXTRAORDINARY***  
**ORGANISED BY CELL FOR PERSONS WITH DISABILITY AND ELDERLY PERSONS**  
**IN COLLABORATION WITH IQAC, ASUTOSH**  
**8 MAY 2023**

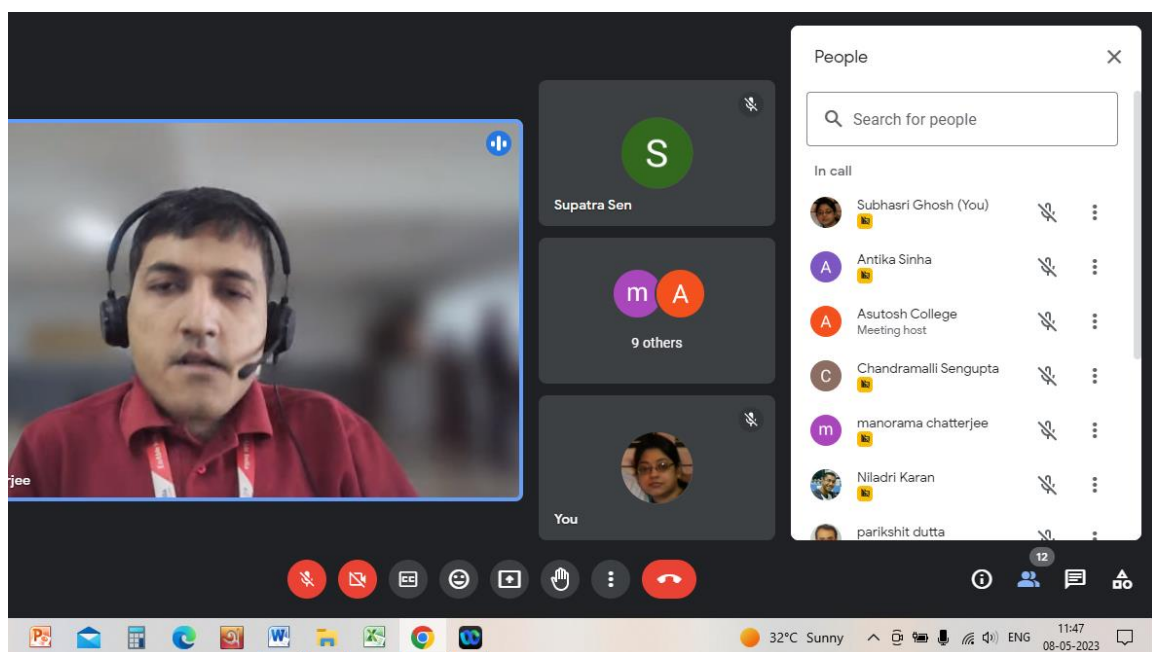
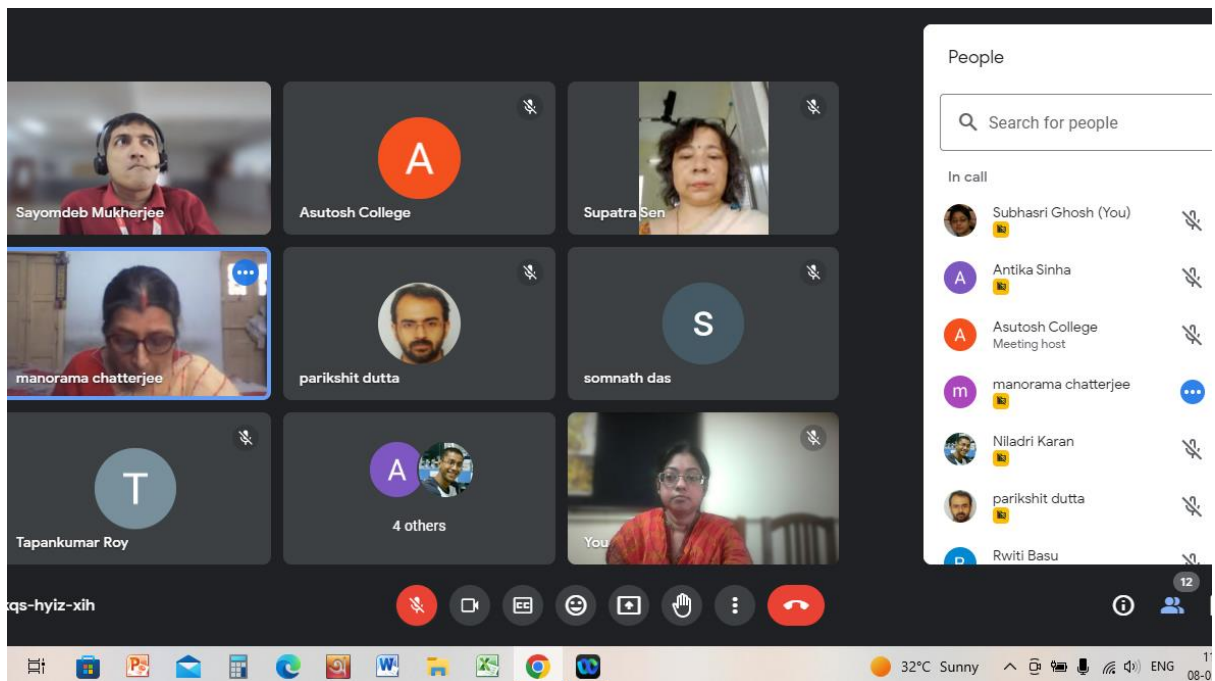


A national level webinar titled *Breaking Barriers: A Life Extraordinary* was organised by the Cell for Persons with Disability and Elderly Persons of Asutosh College in collaboration with IQAC, Asutosh College, on 8 May 2023, from 11.30 AM. It was essentially mooted as an inspirational talk, to enthuse the audience, faculties and students alike, as how to overcome the hurdles in life, how to internalise the never-say-die attitude. To this end, the speaker Mr Sayomdeb Mukherjee, Senior Manager of EnAble India, presently based in Bangalore, was an apt choice as he personifies courage, perseverance and serves as an idol for thousands.

The session was introduced by one of the conveners of the Cell, Dr Subhasri Ghosh, followed by a brief narration of the inception of the Cell, its work and future plans by Dr Manorama Chatterjee. Dr Supatra Sen, the other convener of the Cell, introduced the esteemed speaker. Mr Mukherjee, also known as RJ Den, mesmerised the audience with his life-story. Afflicted with a rare genetic disease Dopa Responsive Dystonia, he became wheelchair bound. He hardly had any motor movements. However, he never let his physical immobility overshadow his mental strength. Egged on by a supportive family, Sayomdeb completed his schooling with flying colours and did his graduation in English literature. A stint as a successful RJ, made him a household name. His early morning programme *Haal Chhero na Bondhu* helped him reach out to millions. Listeners would wait for his show to imbibe positive spirits from his words. Mr Mukherjee also detailed his work at EnAble India where he is involved in the managerial capacity overseeing training and livelihood opportunities for the disabled. He ended his speech with a short feature cataloguing a day in his life, where right from waking up in the morning, till he goes to sleep at night, how he tackles his disability and leads an extraordinary life has been beautifully captured.

A lively question and answer session, helmed by Dr Parikshit Dutta, followed, where Mr Mukherjee expressed his wish to tie up with Asutosh College to explore further possibilities

of collaboration, especially for hands-on-training to the specially abled students and prepare them for the job market. At the end the vote of thanks was delivered by Smt Antika Sinha.



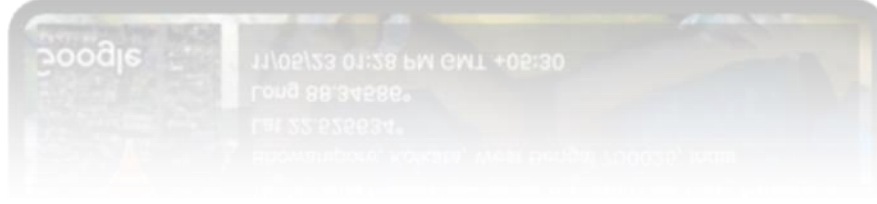
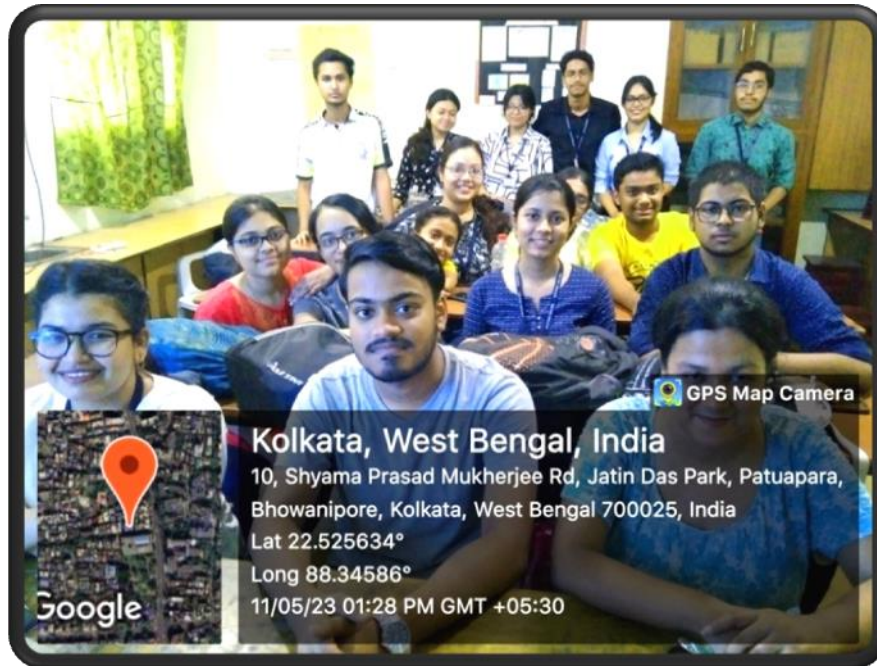
The image shows a Zoom meeting interface. On the left, a large video window displays a man wearing a red shirt and a headset. To the right, a grid of nine participant thumbnails is visible, each with a name and a small video icon. The participants are: Sraboni Roy, parikshit dutta, Supatra Sen, manorama chat..., Asutosh College, somnath das, Antika Sinha, 2 others, and You. At the bottom of the Zoom window, there is a toolbar with icons for mute, video off, chat, gallery view, hand raise, help, and end meeting. Below the Zoom window, the Windows taskbar is visible, showing the Start button, taskbar search, and several open applications including Microsoft Edge, Outlook, and various office software. The system tray on the right shows the date and time as 12:07 on 08-05-2023, along with weather information (32°C Sunny) and system icons for network, volume, and power.

Participant Name	Thumbnail Description
Sraboni Roy	Thumbnail with letter 'S'
parikshit dutta	Thumbnail with a portrait of a man
Supatra Sen	Thumbnail with letter 'S'
manorama chat...	Thumbnail with letter 'm'
Asutosh College	Thumbnail with letter 'A'
somnath das	Thumbnail with letter 'S'
Antika Sinha	Thumbnail with letter 'A'
2 others	Thumbnail with letter 'R' and a group of people
You	Thumbnail with a portrait of a woman

Report

**Sem II - Students' Seminar Competition**

11 May 2023





A **Students' Seminar Competition** with Semester II under graduate students was organized by Dept. of Microbiology in association with IQAC, Asutosh College on 11 May 2023, Thursday. The students were divided into four Groups. Each group was given 12 min for presentation and 3 min for Question Answer Session. The event was based on the following topics:

1. Interdisciplinary Science
2. History of Microbiology
3. Biochemistry – Medicinal Drugs and Side Effects
4. Covid 19: A Mystery To A Pandemic, in 93 Days

**Convener:**

Dr. Kuntal Kanti Goswami, HOD, Dept. of Microbiology, Asutosh College.

**Organizing Committee & Judges:**

Dr. Pranab Kumar Das, Assistant Professor, Dept. of Microbiology

Dr. Shankar Chandra Basu, Assistant Professor, Dept. of Microbiology

**Summary of the Programme:**

**Group A - Interdisciplinary Science**

The role of microorganisms in preparation of vaccines as well as their misuse as bio-weapon has been emphasized here. The ultra structures of bacteria as capsular polysaccharides, frimbrae, cilia and viral coat proteins- which contributes to their virulent properties has been vividly describe. Moreover, scope of virology and it's use in the recent COVID- 19 pandemic has been highlighted in this lecture. Finally, sophisticated modern day molecular-biology tools and next generation sequencing techniques had been described.

**Group B - History of Microbiology**

There are numerous eminent scientists and researchers who had contributed significantly towards the development of microbiology. Contribution of them has been reviewed in this lecture. Firstly, the contribution of Antonie van Leeuwenhoek (invention of microscope) and Louis Pasteur (Father of Microbiology) had been described. Then the lecture proceeded further with the path breaking discoveries of Joseph Lister - antiseptic discovery, Edward Jenner- vaccination, Robert Koch- development of cowpox vaccine, Alexander Fleming-discovery of penicillin antibiotic, Paul Ehrilch - development of chemotherapy; etc. and these had been satisfactory explained.

**Group C – Medicinal Drugs and Side Effects**

Many allopathic drugs have been banned nowadays due to their immense side effects. Misuse of such drugs has been highlighted in this lecture. To begin with, different types of allopathic drugs that we consume in day to day life, and their mode of action have been explained. Then, the reason behind banning

of two very common drugs - ranitidine and Lynoral has been emphasized. Ranitidine acts as H<sub>2</sub> blocker, but on the other hand, low-level of N-Nitrosodimethylamine (NDMA) is formed inside the body which is quite carcinogenic in nature. Likewise, Lynoral (Ethinylestradiol) is an oestrogen medication used widely in birth control pills in combination with progestin has been banned due to innumerable side effects as blood clots, cardiovascular disorders, liver damage, uterine cancer etc. The presentation was well and all queries were satisfactorily addressed to.

### **Group D- Covid 19: A Mystery To A Pandemic, in 93 Days**

COVID- 19 pandemic had been a nightmare to every citizen worldwide, which exterminated numerous lives ranging from young ones to adults and even elderly people. This lecture was focused towards COVID-19, the mystery of 93 Days. The onset of this pandemic as an epidemic in Wuhan of China on late December 2019 was mentioned. On the succeeding days, how this epidemic had rapidly spread out throughout the world and took the form of a dangerous infectious disease was explained with various statistical data. Later the lecture proceeded with explanation of corona virus life cycle and its infection cycle within a human host. The worldwide economic loss incurred due to COVID-19 and other statistical data were also explained. Moreover, the students emphasized on the pivotal role taken by different Indian and Abroad institutes towards research on COVID-19 and corona virus, as well as "COVAXIN" development by Bharat Biotech, and "CoviShield" manufactured by Serum Institute of India Pvt Ltd, Pune is worthy mentioned.

### **Outcome of the Event:**

The event had revealed in students; increased research awareness and enthusiasm, improvement of professional presentation and self-evaluation skills, and promotion of active learning and collaboration with peers and professors. The competition had nurtured young minds and inculcated zeal of research idea and innovativeness among students.

### **Results:**

#### **1<sup>st</sup>: Group C**

Sl No.	Name	College Roll No.
1	Debarpan Mukhopadhyay	473
2	Jagriti Das	291
3	Srija Bhadra	465

#### **2<sup>nd</sup> : Group A**

Sl No.	Name	College Roll No.
1	Anuja Dhar	175
2	Anwasha Mukherjee	177
3	Tanushree Saha	527
4	Oindrilla Dutta	159
5	Tamanna Sinha	817

6	Paroma Nath	249
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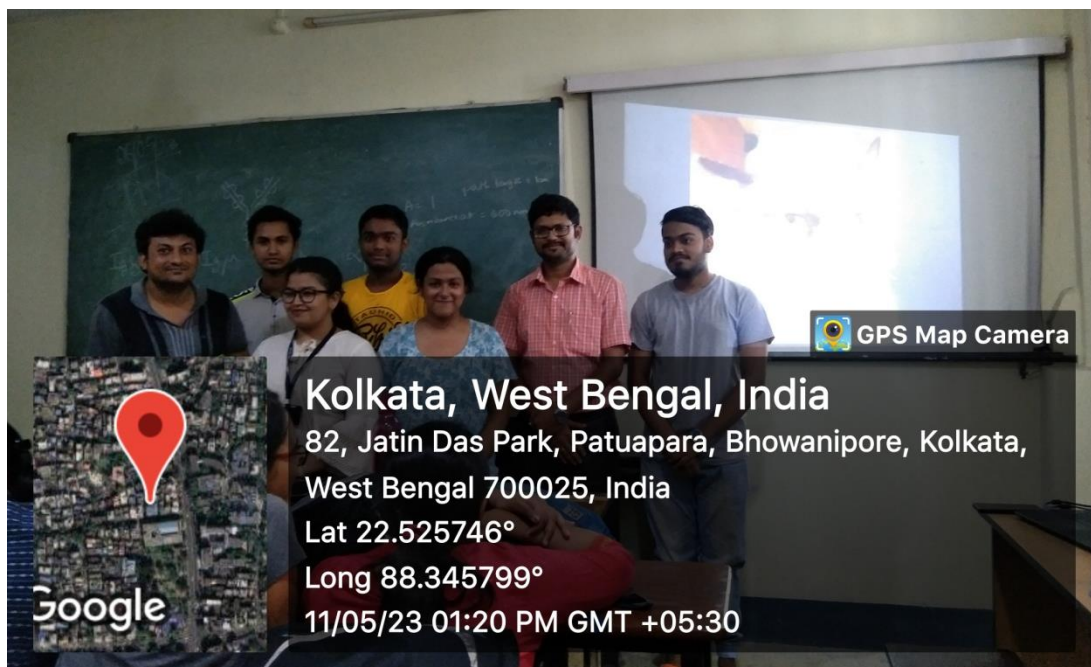
**3<sup>rd</sup> : Group D**

Sl No.	Name	College Roll No.
1	Mayurakshi Basak	82
2	Debmalya Sarkar	463
3	Janhavi Gupta	67
4	Saikat Bose	94
5	Ankita Barua	560
6	Subhranu Poddar	209

**4<sup>th</sup> : Group B**

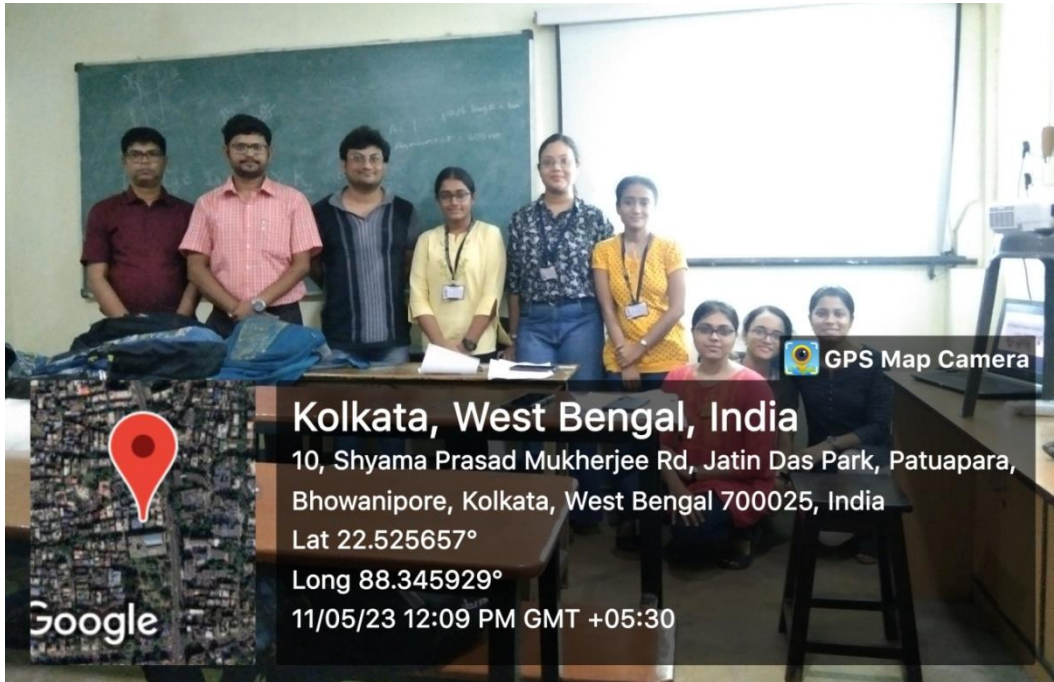
Sl No.	Name	College Roll No.
1	Biswadip Mukherjee	791

**Some Glimpse of the Event:**



**1<sup>st</sup> : Group C with Teachers**

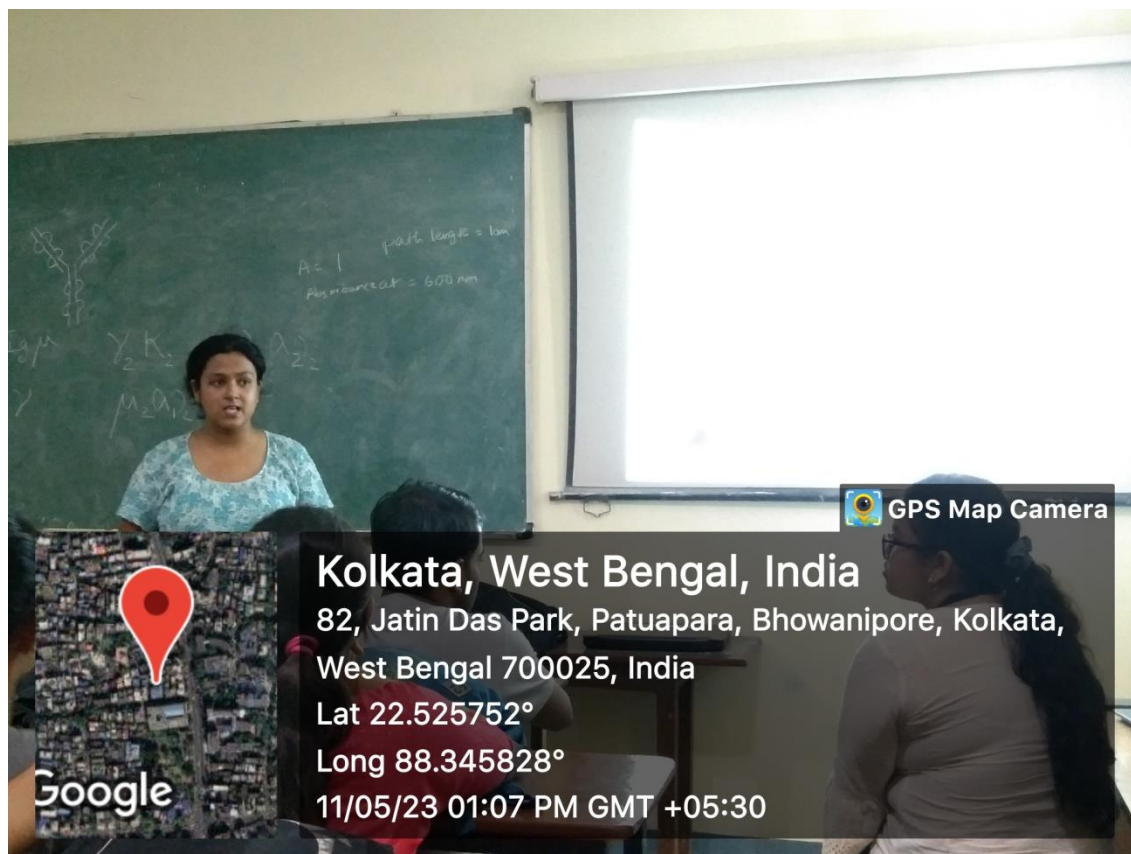




2<sup>nd</sup> : Group A with Teachers



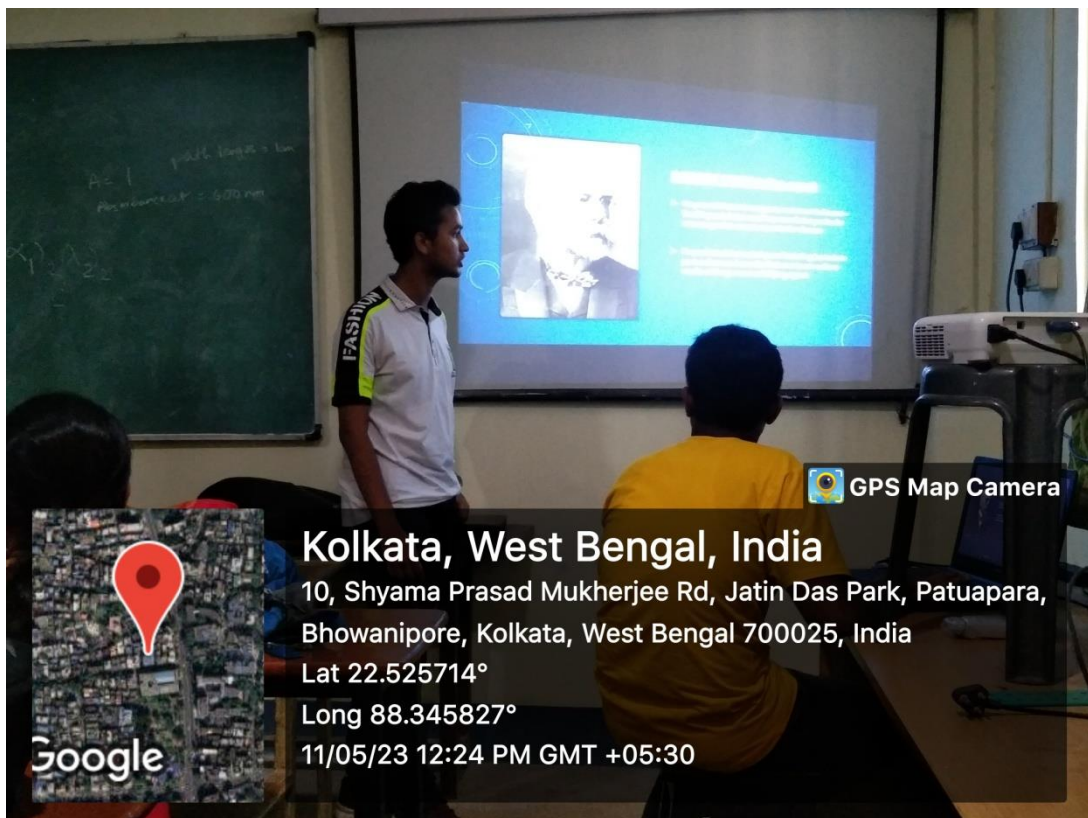
3<sup>rd</sup> : Group D with Teachers



**ASUTOSH COLLEGE**  
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Kolkata – 700026



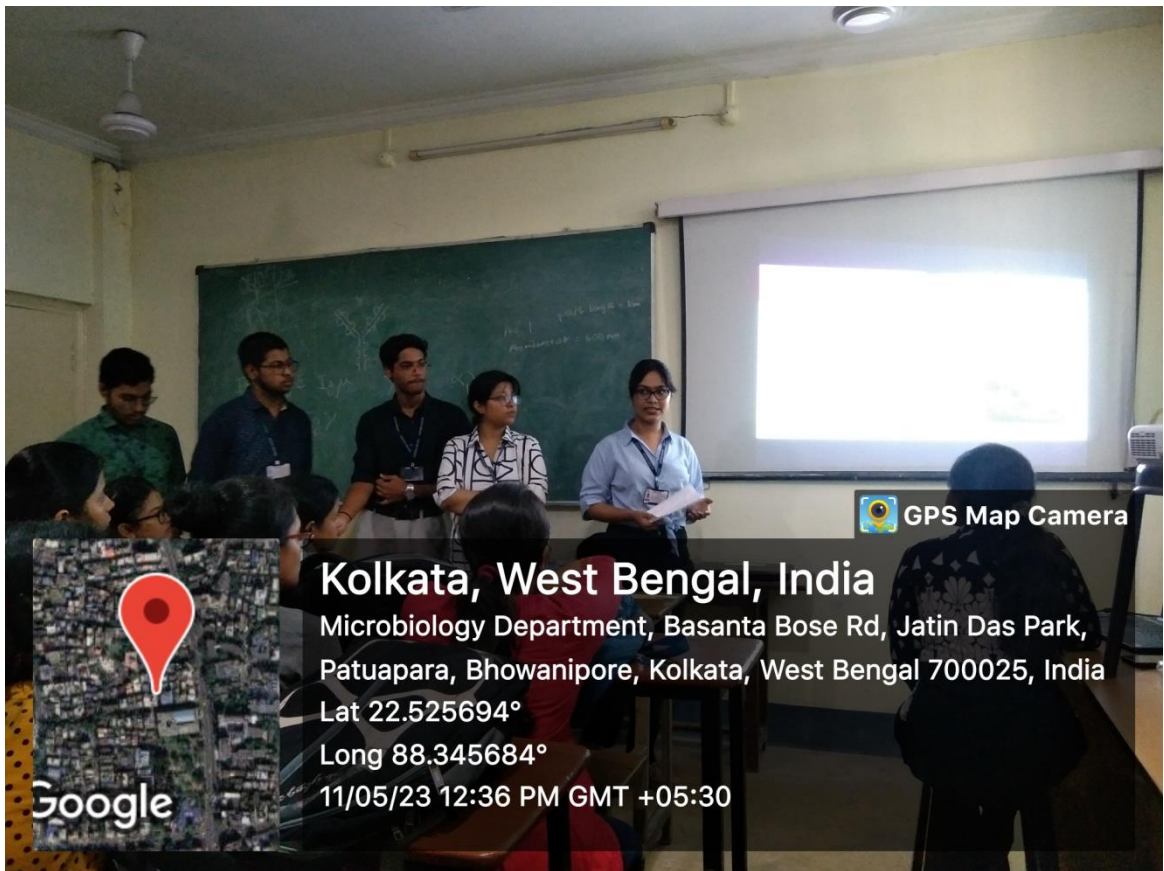
Phone: 2455-4504/2486-3912  
Fax : (033) 2486-3006  
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Web : [www.asutoshcollege.in](http://www.asutoshcollege.in)



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Web : [www.asutoshcollege.in](http://www.asutoshcollege.in)



## Detailed Report

The Department of Physics, Asutosh College has organized a departmental workshop on “**Innovative Projects using Arduino**” on 12/05/2023. The required data are presented below:

Name of the Dept. - Physics

Date & Day – 12/05/2023, Friday.

Name of the seminar/webinar/workshop – Workshop on Innovative Projects using Arduino.

The organising committee -

- 1) Dr. Amit Kumar Bhattacharjee (Convener),
  - 2) Dr. Surjya Sarathi Bhattacharyya & Dr. Manorama Chatterjee (Joint convener),
  - 3) Dr. Parikshit Dutta (Event Organizer),
  - 4) Dr. Aditi Das (Joint Event Organizer),
  - 5) Participants - Students of Semester 4 Honours.
  - 6) Interview Panel – (a) Prof. Sourav Kumar Bhowmik, Assistant Professor, Department of Electronics, (b) all other faculty members of Department of Physics.
  - 7) Judge – Prof. Sourav Kumar Bhowmik (Assistant Professor, Department of Electronics).
  - 8) Mr. Somnath Das, I.T. (Flyer Preparation),
- YouTube Link - No. It's an offline initiative.

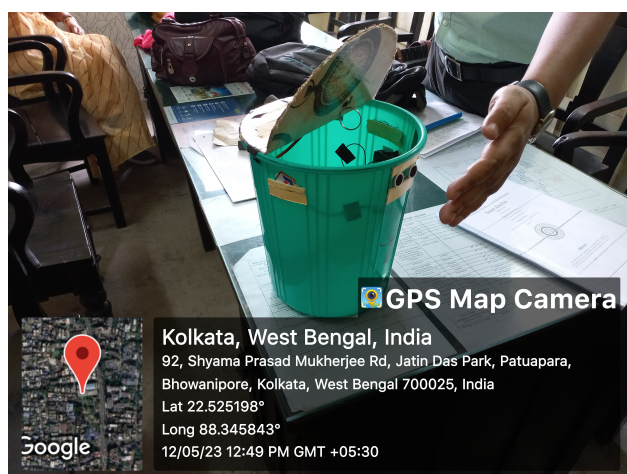
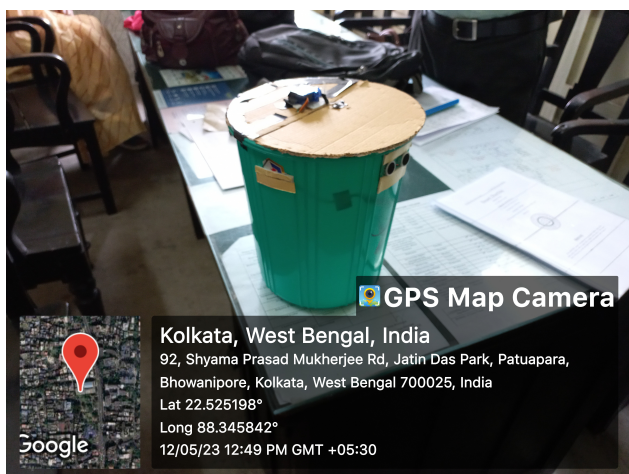
## Brief summary of the initiative:

The workshop was inaugurated in the presence of our Honourable guests Prof. Sourav Kumar Bhowmik, Dr. Manas Kabi (Principal), Prof. Apurba Roy (Vice Principal), Prof. Rina Kar Dutta (Teachers Council Member), Prof. Tapti De (Academic sub-committee Member), Sri. Bhaskar Mridha (GB Member) and Dr. Sriparna Datta Roy (IQAC coordinator), alongwith the faculty members of the Department and **39** student participants of the 4<sup>th</sup> Semester Honours. All invited guests interacted with the student participants to learn about their Project and their varied application outside the domain of the subject. With the help of a Desktop PC/Laptop and Arduino uno board, students demonstrated various projects ranging from “Smart Dustbin” to LED adder and various other innovative projects. Details can be found in the attached Participation and Score card.

The students then faced a viva-voce by Prof. Bhowmik & other faculty members of the Department. Depending on the overall performance these students earned the rank:

1<sup>st</sup>. Soham Bodhak, 2<sup>nd</sup>. Manmeet Buddhadeb Sarkar, Arijit Das & Debasmita Roy, 3<sup>rd</sup>. Nupur Sarkar.

A few memories are attached.



A Smart dustbin that opens when sensed in presence of a hand!

Demonstration to Academic Sub-committee members Prof. Tapti Dey & Prof. Kunal Sinha





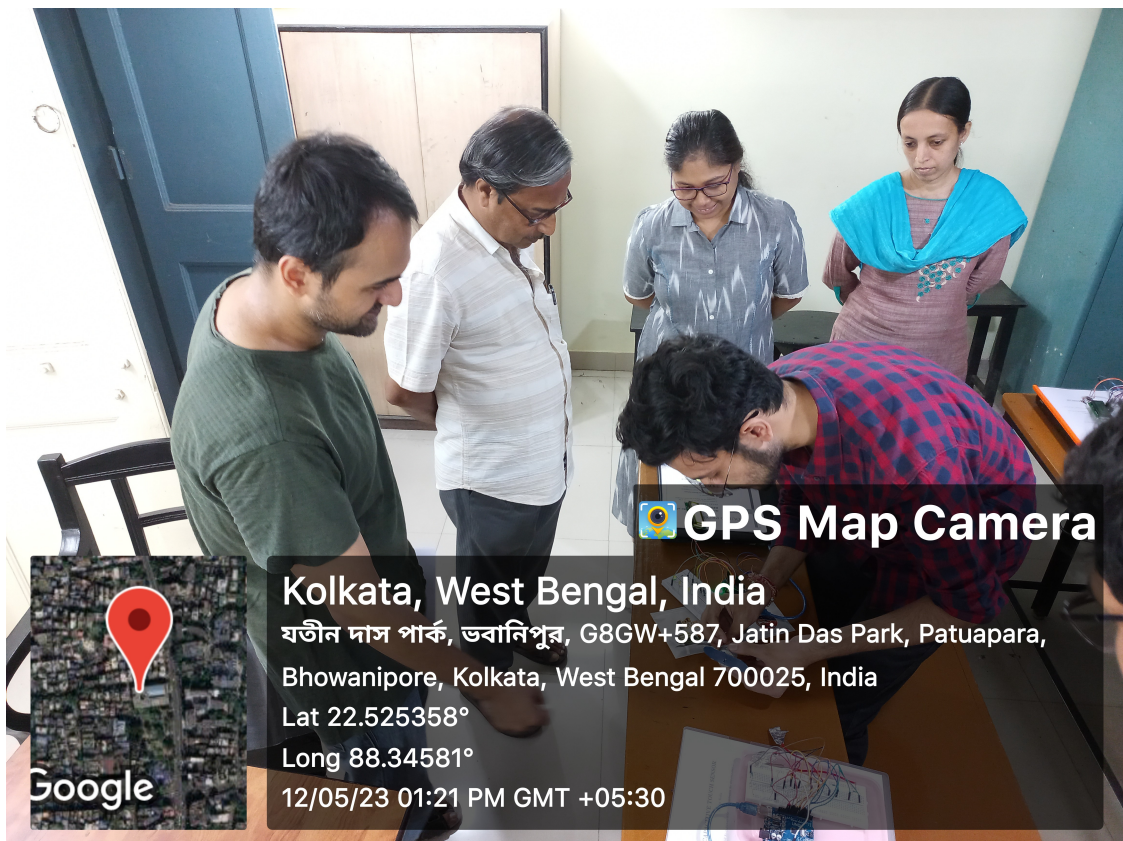
Students before initiation of the event

Interaction with  
IQAC  
Coordinator Dr.  
Sriparna Datta  
Roy & Vice  
Principal Prof.  
Apurba Roy.





Student Viva-voce with Demonstration to Hon'ble GB Member Prof. Bhaskar Mridha





A few more memorable moments of the day :



# **ALUMNI LECTURE REPORT**

**Topic: “ VARIOUS CAREER OPTIONS AFTER COMPLETION OF GRADUATION IN BIOSCIENCES”**

**By Miss Shreya Chakraborty**

**24 May 2023**

An alumni Lecture Series on “ VARIOUS CAREER OPTIONS AFTER COMPLETION OF GRADUATION IN BIOSCIENCES” was organized by Department of Microbiology , Asutosh College on 24 May 2023, Wednesday.

❖ **Convener:**

Dr. Kuntal Kanti Goswami, HOD , Department of Microbiology,Asutosh College.

❖ **Organizing Committee:**

All Faculty Members of Department of Microbiology,Asutosh College.

❖ **Agenda of the program:**

This seminar was organized to enrich students with the knowledge of various career perspective after completion of graduation in biosciences and special emphasis on how students should prepare themselves for various entrance examinations required to get admission in Master degree, Integrated Ph.D and MBA courses. Students also learned how to prepare for interviews.

❖ **Resource Person:** Shreya Chakraborty

❖ **Position:** Ex-student of Department Of Microbiology, Asutosh College (UG Batch :2016-2019), M.Sc (Biotechnology, University of Calcutta, First Class first)

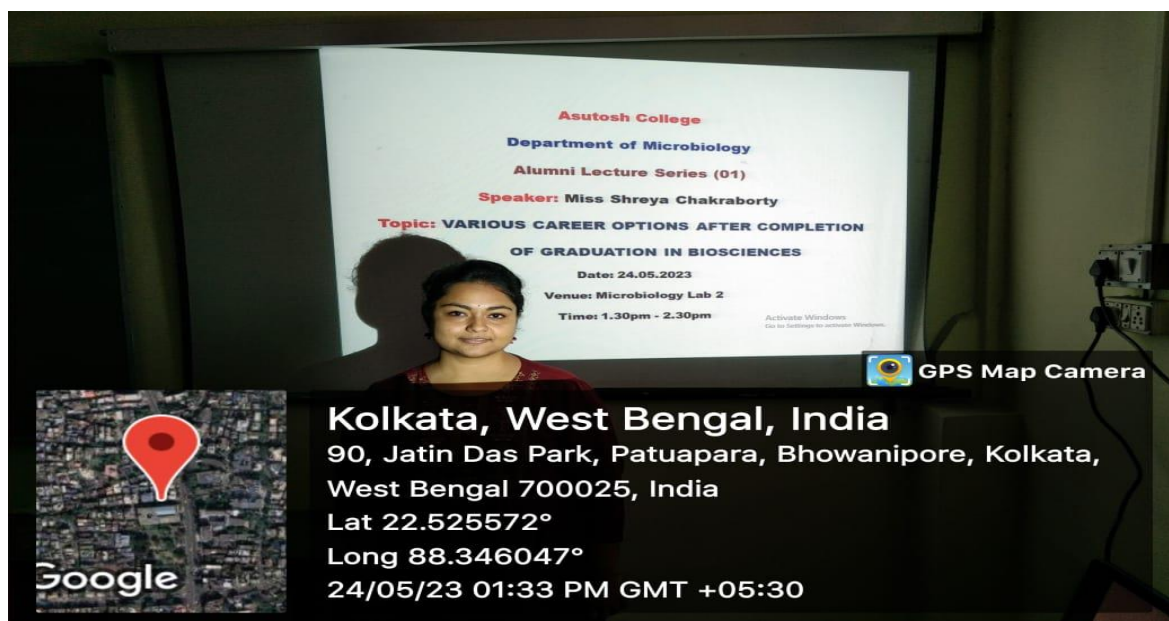
❖ **Course of the Event:**

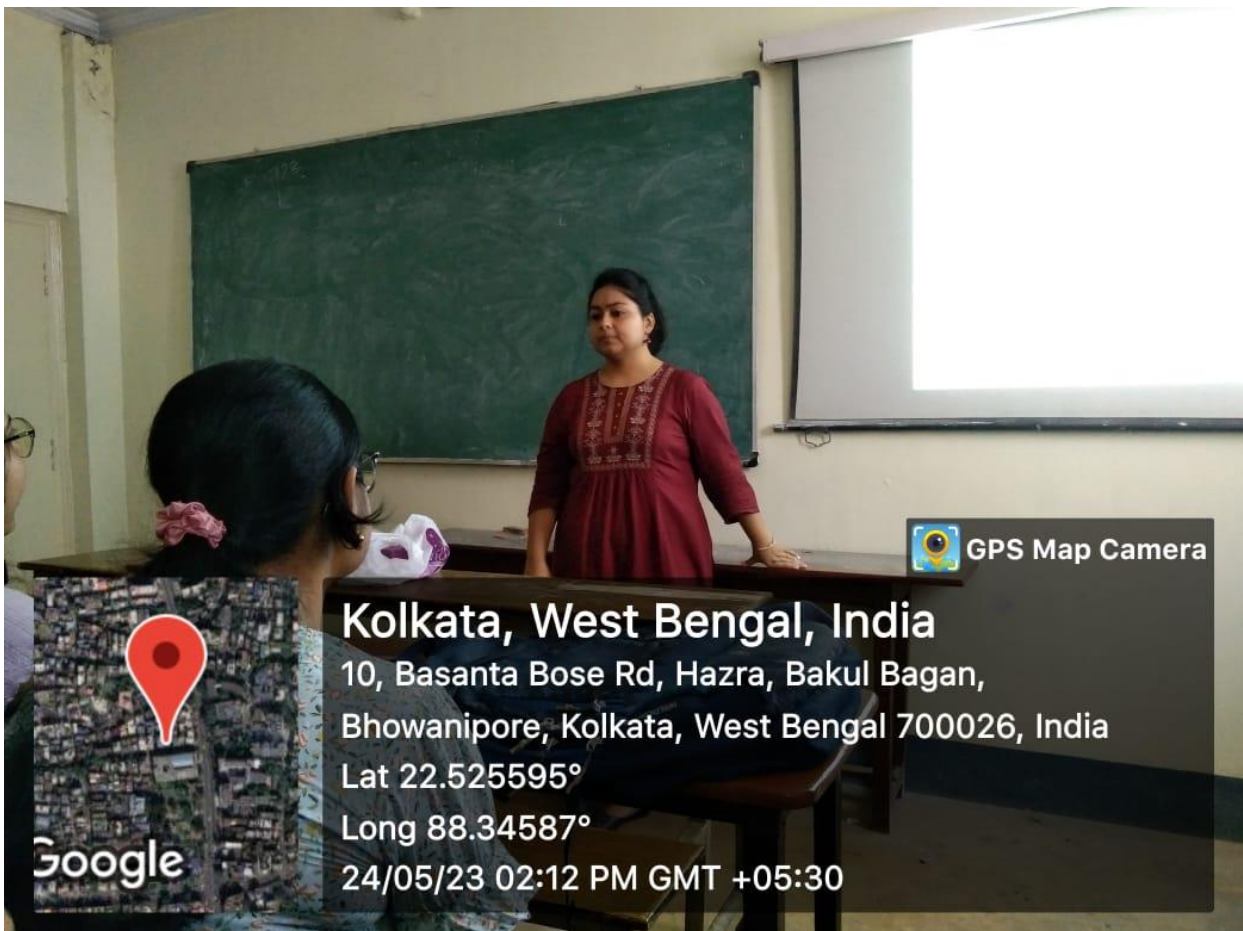
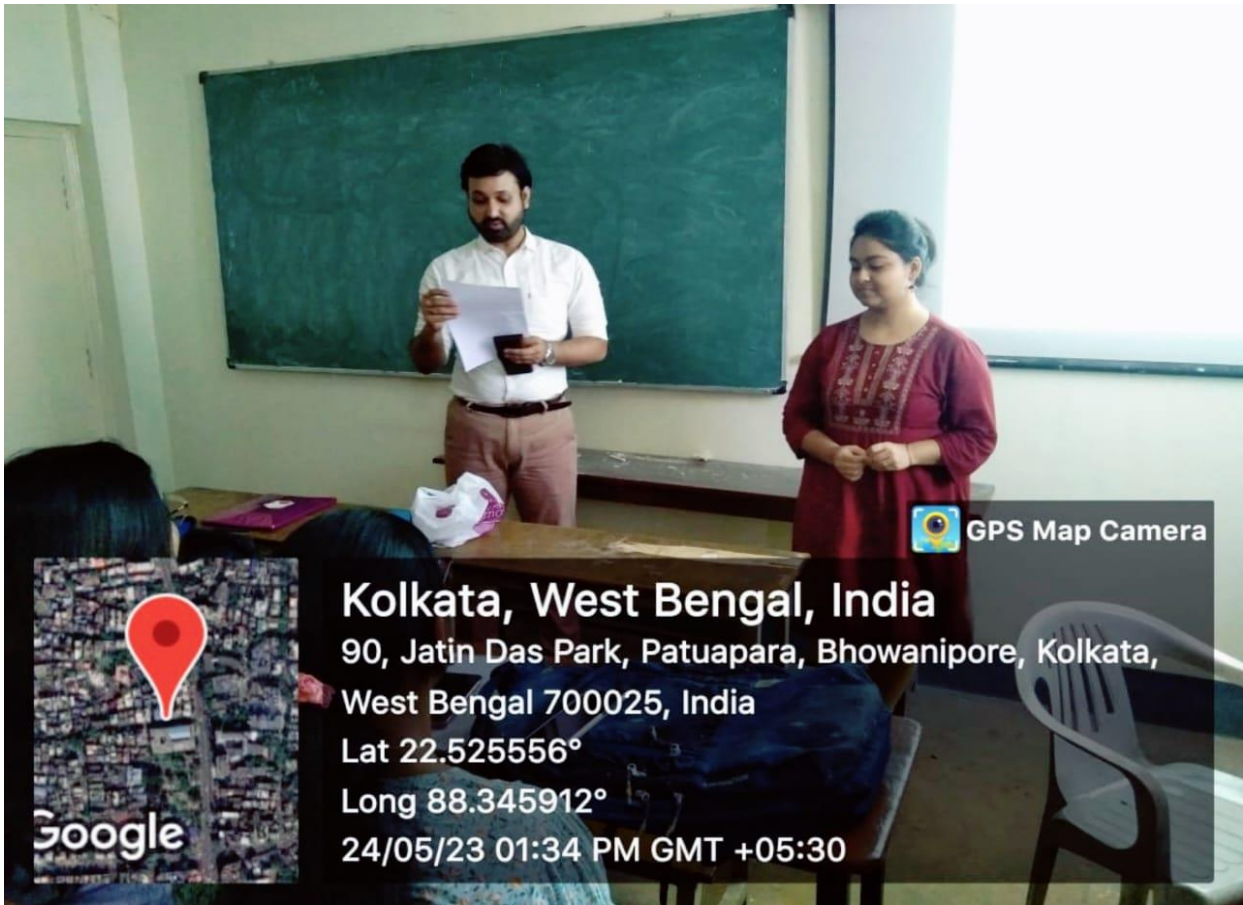
Miss Shreya started the session with a brief overview of various avenues after completion of graduation in Microbiology . She told about the syllabus , question

patterns and preparation strategies for various entrance exams like TIFR JGEEBILS (conducted by TIFR in collaboration with IITs) , JAM , and other exams conducted by central universities like Benaras Hindu University , Jawaharlal Nehru University, Pondicherry University and others . Students were also given ideas about the master degree courses offered by the University of Calcutta in various disciplines like Biotechnology, Microbiology, Genetics, Environmental Science, Biophysics and Molecular Biology and others and also about the entrance exams conducted by University of Calcutta for getting admission in post graduation. Students also learned how to think of a SOP ( Statement of Purpose) and how to write it in a proper and in a more attractive way . Students got idea about various central and state government jobs for which they can also prepare for just after completion of their graduation .Students also learned about industry based job opportunities. Shreya concluded her speech with the topic “ Ethics that should be maintained in a research laboratory as well as in life.”

- ❖ **Vote of Thanks given by:** Students of Sixth Semester and The Faculty Members of Department of Microbiology

### Some Pictures of the event:







GPS Map Camera

**Kolkata, West Bengal, India**

90, Jatin Das Park, Patuapara, Bhowanipore, Kolkata,  
West Bengal 700025, India

Lat 22.525625°

Long 88.346106°

24/05/23 02:33 PM GMT +05:30

