

Report on Educational Tour

Organized by

Biochemistry Department

St. Edmund's College, Shillong

An educational tour was organized by our department (Biochemistry) which started on 14th January 2023. Our professors, sir, HOD Dr. Omarlin Kyndiah and Dr. James Wahlang took us to New Delhi and Bharatpur to visit many institutes.

We visited the Institutes like National Institute of Plant Genome Research (NIPGR), National Institute of Immunology (NII), Ram Lal Anand College, University of Delhi, University of Delhi South campus (Biotechnology Department), Genomics And Integrative Biology (CSIR-IGIB), ICAR- Directorate of Rapeseed Mustard research.

Day 1

On 16th of January we visited National Institute of Plant Genome Research (NIPGR). We were briefed about the institute by Dr. Saloni Mathur and she gave an introduction on her work on genome sequence on tomato. We also got a chance to visit different laboratory where they showed us different equipments present in different labs.

On the same day we visited National Institute of Immunology (NII), where we had our lunch. After our lunch the professors took us for campus tour and we met Prof. Sarika Gupta who told us about her work on Alzheimer's disease and bone diseases.



Day 2

On second day i.e. 17th January we visited Ram Lal Anand College where they explained and taught us about docking of protein molecules. After some refreshments we entered the microbiology lab where they showed the different equipments and their work. They showed us the colony of different bacterial and how they cultivate. They let us count it with the help of equipments and they showed us the different samples of bacteria growth in microscope. We also visited the lab where they work/study on different stones, they showed us how they study stones with the help of different kinds of microscope, and we got a chance to see the different kinds of beautiful stones. After observing the beautiful stones we headed to the radio studio which wasn't inaugurated, they showed us the equipments present in that studio. After touring the labs and studio we finally had our lunch in college and bid farewell after some photo shoot.

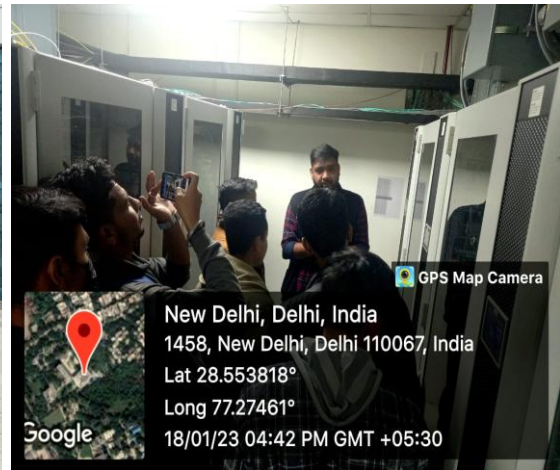
On the same day we visited Delhi University South campus (the biotech building) where we saw many labs with different equipments and there were many startups going on as well. We visited a lab in which they showed how fermentation happens and how they control the pressure and the temperature. We visited another lab where they prepare the milk powder from milk.



Day 3

On the third day in the afternoon we visited Genomics and Integrative Biology (CSIR-IGIB) where we had our lunch before having an interaction and visiting labs. After our lunch we visited the facility of zebra fish where we learned the different experiments that carry on them that help the human beings. We saw the different specimens of zebra fish and how they breed in specific conditions and modified species of zebra fish. When we were done with the zebra fish we visited another lab where we saw different equipments that are present and was briefed how those are being used and for what purpose they use it. Last and the final

lab we visited was a super computer lab where all the data is being stored, they even showed us how it works. After finishing our lab visit we had our snacks, took some group photos and that's how our third day ended. And on fourth day we took a full day rest.



Day 5

Finally it was day for us to visit ICAR- Directorate of Rapeseed Mustard Research, Bharatpur. We were briefed about the campus and the work they are working on. They gave us a lab tour and explained how they modify rapeseed mustard, they even showed mustard field. Dr. Prashant Yadav gave us detailed information on how they cultivate crops and what are the benefits of different species of rapeseed mustard. We were lucky enough that we came out in a Rajasthan newspaper.



We enjoyed a lot on this educational tour because we got an opportunity to visit many institutions and learn about many new things. Finally it was a day for us to say goodbye. We set off on January 24th to Delhi railway station, After a long journey in train we finally arrived at Guwahati Railway station on 25th of January.

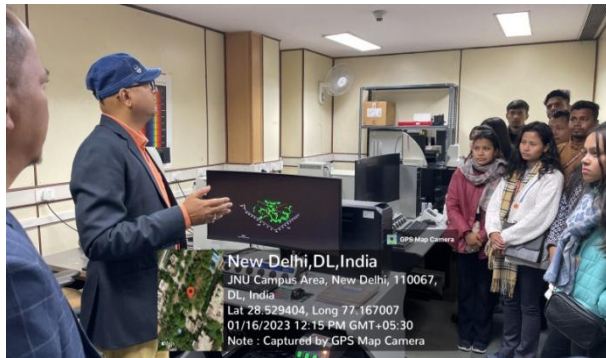
We then boarded in bus heading towards Shillong i.e. to our College, after reaching the college we finally departed to our respected homes and it was the end of our educational tour.

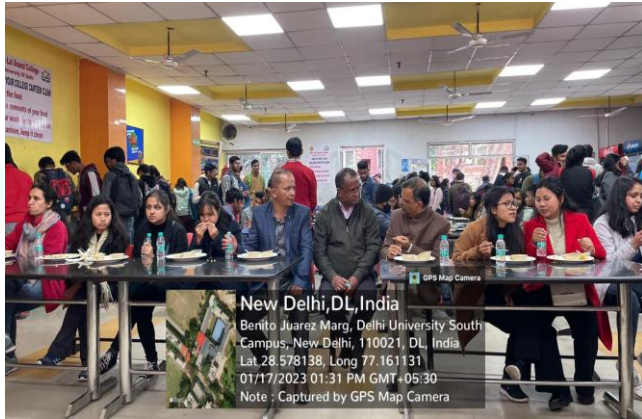
Submitted by

Suraj Singh and Daysun Raynier D.Shira

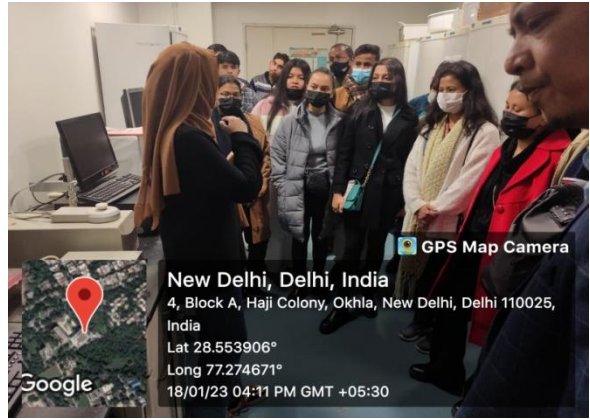
6th semester students

Gallery:

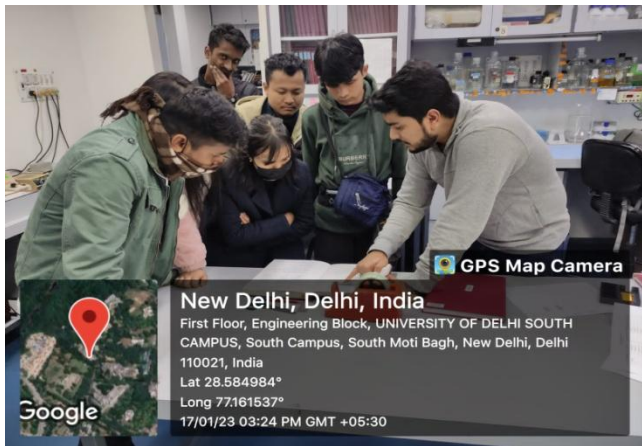




New Delhi, DL, India
Benito Juarez Marg, Delhi University South Campus, New Delhi, 110021, DL, India
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01/17/2023 01:31 PM GMT +05:30
Note : Captured by GPS Map Camera



New Delhi, Delhi, India
4, Block A, Haji Colony, Okhla, New Delhi, Delhi 110025, India
Lat 28.553906°
Long 77.274671°
18/01/23 04:11 PM GMT +05:30



New Delhi, Delhi, India
First Floor, Engineering Block, UNIVERSITY OF DELHI SOUTH CAMPUS, South Campus, South Moti Bagh, New Delhi, Delhi 110021, India
Lat 28.584984°
Long 77.161537°
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New Delhi, Delhi, India
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New Delhi, DL, India
JNU Campus Area, New Delhi, 110067, DL, India
Lat 28.529729, Long 77.166642
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New Delhi, DL, India
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