

INDUSTRIAL VISIT TO JNTBGRI

The DBT funded Industrial visit of Botany and biotechnology 2019-22 bath to Jawaharlal Nehru Tropical Botanical Garden and Research Institute, Palode, Trivandrum was held on 14th of March 2022. We started our journey by 8 reached the destination by quarter to 10. Our guide, Mrs. Kavitha from there accompanied us and she explained each and every details of the plant varieties in the premises. Also we saw a 22 million years old angiosperm tree fossil which was excavated from Tamilnadu. There were some interesting plants like the insectivorous plant *Nepenthes khasiana* which is exclusively seen in Khasi hills of Meghalaya, Hundreds of orchid varieties, various lotus and water lilly sps, huge number of succulent plants collection etc. Then we moved to the Biotechnology department of JNTPGRI by 2.05pm which mainly does plant DNA isolation and analysis works. We visited the biotechnology research labs and the research workers over there introduced and explained the working and uses of various instruments like vortex meter, homogenizer, large centrifuge, oven, agarose gel electrophoretic apparatus, PCR apparatus, cooling centrifuge, Real time PCR etc that they use for their research works. Then, we visited microbiology lab where we met a research scholar who does her work on anti-bacterial film forming properties of a plant. She explained the process of extraction of plant using the Soxhlet apparatus, explained working of various equipments and that was a really informative section. Then, we returned to our college by 4.15 and we thoroughly enjoyed the return journey by dancing in the bus. We reached the college by 6.15. This was the very first ever trip our batchmates had together and we are very much grateful to our teachers who arranged such a great IV to TBGRI.



LIST OF FINAL YEAR (SIX SEMESTER) BSC BOTANY AND BIOTECHNOLOGY STUDENTS

THOSE WHO ARE PARTICIPATED IN THE TOUR CONDUCTED BY DEPARTMENT OF BIOTECHNOLOGY

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3. Dr Reshma R,
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TOUR REPORT

Field study helps to develop a deeper understanding of nature, the way living things function moreover how they show effective heredity and variation.

The 4 day trip was planned to visit places like Wayanad and Munnar. As per schedule the air bus named SOUPARNIKA reached the college 5.30 pm on 22nd March 2022. There were 8 boys and 24 girls along with our teacher Reshma miss and Dr. Ambili S mam (HOD of Dept of Biochemistry) accompanied by Mr Sarath Sir (Asst Prof, Dept of Politics).

Wayanad was our first destination. On March 23rd we reached the hotel at 5.00am. At 7.30am, we start our journey to Edakkal Cave which is a historic cave that enlightens the pictorial drawings and engraving that indicates the presence of ancient human settlements in the region. Next we head towards Banasura Sagar Dam which is the largest earthen dam in India and second largest of its kind in Asia where a floating solar panel is situated. The first day our trip was really awesome. After a wonderful day we checked in to a hotel at 8pm and stayed a night there.

On the second day we went to Kuruva island a protected river delta. It lies in the bank of Kabani river, it was a adventurous trip that we swam and walks through the river where it is shallow and rocky on the surface. We spent almost a half day there enjoying the beauty of nature and pureness of crystal clear water. However, the area is a protected forest where many wild animals are residing so our guard try to keep us away from dense area. Our next place was Elibiliri estate where we experienced an adventurous trekking on huge rocks where we saw elephant path and various kinds of birds. Also the water falls breaking out through the rocks gave out the purest of pure water. It was totally a soothing natural treat. After a mindblowing day we started our journey to Munnar.

The next day on 25th March we reached Munnar at 7am and checked in a hotel for refreshment and breakfast. Then again we start our journey to Rose Garden Munnar where a variety of flowers and its hybrid varieties were there which is very educational to us as a student. Next we reached at Mattupetti dam the place where we shop and enjoyed a lot. The scenery of Lake and dam area was spectacular for us. After a good lunch we reached Eco point. This was a magical place because it replicates what we speak there as eco. Here we gathered together and took a nice group photo and enjoyed a lot there. Then next we headed to Hill top Point, this was a popular tourist attractions of Munnar. The view point from the top hill were really memorable and the stunning hills with chilled breeze gifted us with a pleasant feeling. From there we went to a 360° view point which slightly low from there which was a new experience for us. The cool wind from there makes our mind stress relief. Next we went to Kundala dam which is a famous spot for movie shooting and walking into the pine forest there gives us a feeling of foreign place. We spent most of the day there and after a long thrilling and fabulous day we returned to Kollam and reached the college on March 26 early morning. This study tour was really special to us both in educational and enjoyable way .