

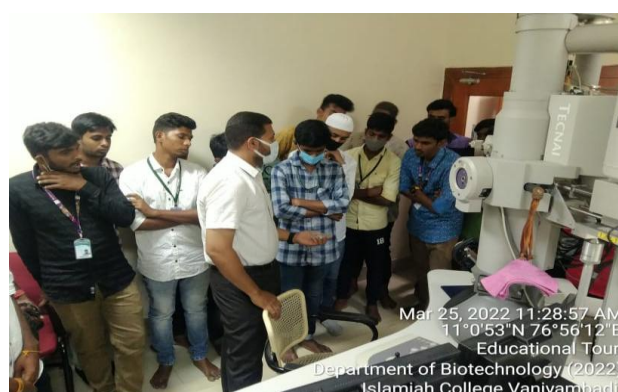
DEPARTMENT OF BIOTECHNOLOGY
Islamiah College (Autonomous), Vaniyambadi
Educational Tour Report – MARCH 2022

Department of Biotechnology arranged an educational tour for UG and PG biotechnology students, from 25.03.2022 to 26.03.2022 to Coimbatore and Ooty. Tour was conducted as per the guidelines laid down by the Regional Joint Director, Vellore. There were 48 students and 3 staff members and a lab assistant accompanied the students.

Students assembled at the college premises at 9.00 pm on 24.03.2022 and proceeded to Coimbatore and reached safely by 6.00 am, on 25.03.2022. The students and staff members visited Tamil Nadu Agricultural University (TNAU), Coimbatore. All the students were taken to two important divisions of the University – Department of Nanoscience and Technology and Centre for Plant Molecular Biology.

Department of Nanoscience and Technology

Nanotechnology is one of the most fascinating fields of science in the 21st century capable of revolutionizing a wide spectrum of disciplines including agriculture. This Center has state-of-the-art infrastructure facility, sophisticated equipments such as Scanning Electron Microscope, Transmission Electron Microscope, Atomic Force Microscope etc. Currently, they are working on nano-agri inputs, biosensors, nano-food systems etc. It maintains strong working relationships with National and International research organizations, agriculture industries and farmers. On our arrival at Department of Nanoscience and Technology Head Dr. A. Lakshmanan, warmly welcomed us. He had taken time off his busy schedule to arrange department visit. The students and staff members visited Nanotechnology Lab. All the students were taken to three important divisions of the laboratory – X-ray Diffraction lab, Scanning Electron Microscope and Transmission Electron Microscope lab. Students were given a complete profile of the Nanoscience and Nanotechnology Laboratory by **Dr. Pon. Sathyamurthy**, Asst. Prof. of Nanoscience through in his presentation and lab visit.





Centre for Plant Molecular Biology

An expert from the institute Dr. N. Manikanda Boopathi, Professor, Department of Plant Biotechnology, Centre for Plant molecular Biology and Biotechnology, Tamil Nadu Agricultural University, Coimbatore gave lecture about the institute, about plant tissue culture production and the research undertaken in the institute. Our students enjoyed the lecture programme after which large numbers of questions were raised by our students in regard to plant tissue culture production the expert answered meticulously to the queries.



Boat House

Next day on 26.03.2020 our team moved to boat house, Ooty. Boat house is a beautiful place to watch out. Lake is enclosed with a long and wide stretch of water bordered by the sky scraper trees added beauty to the lake, this beautiful lake is being used for boat rowing for centuries. Our students enjoyed boat riding. This place provided an opportunity to our students to see people from different states of our country even people from other countries.

Tea Industry Museum

Next our team visit to the tea museum was an opportunity for our students to learn the process of preparation of tea dust. There are series of processing steps right through the green tea leaf to the tea dust were demonstrated by a series of machineries set up. It was amazing to watch out at the same place all the tea dust making processes.

Pine Forest

The pine forest situated between Ooty and Thalakunda is a small downhill region where pine trees are arranged in an orderly fashion. The **Pine Forest** spans over a small downhill region and are arranged in a natural orderly fashion that is indeed spectacular to look at. The **Pine Forest** features an evergreen and resinous collection of trees that grows between 3 to 80 meters tall while a majority of them tower between 15 and 45 meters tall. The **Pine Forest** is long-lived with almost all trees arriving at hundred to even a thousand years old while a few even cross the thousand mark reaching the age of 4,000 as well. It is a small downhill region where pine trees are arranged in an orderly fashion. The waters of Kamaraj-Sagar Dam are visible from the bottom of the hill.

Shooting Spot

A wondrous meadow, it looks like some place that has come alive from dreams. It's picturesque settings have made it a preferred location for shooting of many films. The steep climb to the main view point up till the **Shooting Point** given a definite high.

Botanical Garden:

It is the finest Valley mark of the mountain top chill city Ooty. This garden enclosed by a variety of large number of floral plant patches. Walk-roads bordered by finely engineered plant architect. This garden bordered by trees of great heights, many of the trees are exogenous and brought here from different continents of the world. Two special gardens are mentioned worthy, a **house of ferns** developed and housed under the glass pane house is a fine seat to see, another

is **foliage garden** which is a fine attract for the plant researchers. The floor of the garden carved out into number of small floral gardens and there is a fossil plant 20 million year old has been put up in one place amazingly a fine piece of testimony of past history of plants. Our students enjoyed and learn by the opportunity.

At the end of the tour we reached our college at 7.00 am on 27.03.2022. We express our sincere thanks to the management and particularly respected secretary and correspondent Janab L.M. Muneer Ahmed and respected Principal Dr. T. Mohamed Ilyas for their unflinching support and constant encouragement. We thank profusely Regional Joint Director and Collegiate Education, Vellore, for the graceful permission for conducting the educational tour programme successfully.

A handwritten signature in blue ink, appearing to read 'Mohamed Ilyas', with a long horizontal flourish extending to the right.

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