

**Departmental Study Tour Conducted by the Department of Chemistry, Shillong College.on**  
**6<sup>th</sup> December 2018**

The Department of Chemistry Shillong College conducted a one day study tour to Umlyngka Primary Milk Producing Co-operative Society and to Meghalaya Pollution Control Board on the 6<sup>th</sup> December 2018. The objective of the trip was to enable the students to have an idea as to the functioning and operation of these two enterprises. The students and faculty set out early morning and headed to Umlyngka, Upper Shillong where the Umlyngka Primary Milk Producing Co-operative Society is located. This Society is the primary unit which is responsible for dispensing quality milk to the town under the brand name, “Megha Milk”, which has been recently renamed “Na Ri” The students were given insights as to the different processes involved in mass milk production. These included collection, storage, quality tests and final disbursement. The students also met with several dairy farmers who were happy to share their experiences with the students. It was an eye opening and informative meeting that drew the attention of the students to the challenges and accomplishments of the society.

The faculty and students also paid a visit to the Meghalaya State Pollution Control Board situated at Lum Pyngngad, Shillong. The primary objective of The Meghalaya State Pollution Control Board is to prevent, control and abate air and water pollution. The Board ensures protection of the environment to prevent calamities that might pose a threat to life and property. The students were given a well guided tour of the different laboratories that are engaged in Water analysis, Air quality Monitoring, Soil sediment and Soil Waste Monitoring among others. The scientists in the institution enlightened the students on the various projects undertaken by the Board in different regions of the state. The laboratories are well equipped with a number of sophisticated instruments like Atomic absorption Spectrophotometer, B.O.D Incubator, Flame Photometer, Gas Chromatograph, UV-Spectrophotometer to name a few. The Scientists in the different laboratories explained through detailed demonstration about the functioning of the instruments and the kinds of tests performed. A few of the instruments were familiar to the students and the visit provided them with a good opportunity to see the instruments first hand.

The study tour went off well and concluded with students well exhausted but also well informed. They gathered a renewed appreciation on the quality of milk production by the Umlyngka Primary Milk Producing Co-operative Society which is now produced on a bigger scale under the brand name ‘Na Ri’ . The visit to Meghalaya State Pollution Control Board, Lum Pyngngad enabled them to gain knowledge on the various techniques to check, control and maintain air, water and soil quality in the State.