

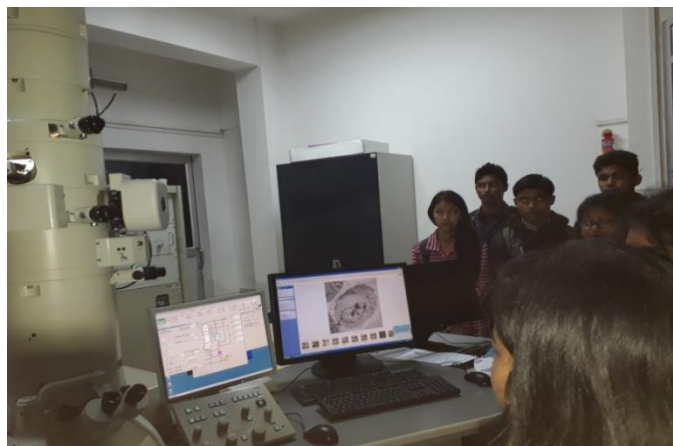
A Visit to Sophisticated Analytical Instrument Facility(SAIF),

Northeastern Hill University, Shillong

Date: 30.10.2017

The Department of Zoology, J. N. College, Boko carried out a day long educational excursion tour to Shillong on 30-10-2017. A group of 19 members including 15 students of B Sc. 1st semester, 3 faculty members and one lab bearer visited SAIF (Sophisticated Analytical Instrument Facility) at NEHU (Northeastern Hill University) as a part of this educational tour. This tour was carried out primarily with an objective of introducing students to advanced laboratories with sophisticated instruments. The students got the opportunity of observing both Transmission Electron Microscope and Scanning Electron Microscope. The faculties of SAIF demonstrated the working principle of both these highly sophisticated microscopes. The student group first visited the TEM unit of SAIF and got the opportunity to observe the cell organelle like Mitochondria, Lysosome, Ribosome etc. under Transmission Electron Microscope. Mr. Dannis Bareh, Senior Technical Assistant of TEM Unit clearly demonstrated the principle and application of the instrument. Later on the students visited the Ultramicrotome Unit of the SAIF, where Dr. Anjali Haloi demonstrated the Ultra microtome along with the Dimond Knife. Dr. Haloi also discussed about the preparation of sample for Transmission Electron Microscope. Next the students visited the SEM Unit of SAIF. Mrs. C. Thaba Senior Technical Assistant of SEM Unit discussed the principle, procedure and application of the instrument. Mr. Nari K. Rynjah, Senior Technical Assistant of TEM Unit showed a few samples in the Scanning Electron Microscope. Dr. Rahul Chakraborty, Technical Assistant was also present during the demonstration. Subsequently students visited the AAS Unit and DMRX-Image Analysis Unit of SAIF, where Dr. Paul S. Dkhar and Dr. S. K. Prasad gave demonstrations on the concerned instruments respectively. After completion of the visit to SAIF the students were taken to Shillong Peak, Elephant Fall and the City as a part of site seeing. It was in true sense a complete exposure programme for the young students.

VISIT TO SOPHISTICATED ANALYTICAL INSTRUMENT FACILITY (SAIF) ON 30.10.2017



Group of Students with Teacher Incharge at SAIF



Demonstration of Equipment



Student and Resource Person interaction



Student and Resource Person interaction



Demonstration of SEM