

EDUCATIONAL VISIT

1. Name of the Institute/Organization visited : National Centre for Seismology/Central Seismological Observatory-Shillong.
2. Duration and date of visit : 1 day, 22nd October 2021
3. Any specific event : Celebration of Azadi ka Amrit Mahotsav
4. Name(s) of coordinator : Dr. M. Lyndem and Dr. I. Sawkmie
5. Number of students participated : 10 (5th Semester)
6. Outcome of the visit:

The students and teachers were briefed by Dr. A.C. Lyngdoh, Scientist and Head, National Centre for Seismology/Central Seismological Observatory-Shillong about the center and its different sections, where the measurement of earthquakes and weather parameters are taken.

A brief idea about various instruments was also given to students.

- For measuring weather parameters: Anemometer, Wind vane, Stevenson screen, dry bulb and wet bulb, Ordinary Rain Gauge (ORG), Self-Automatic Rain Gauge (SARG), Evaporation PAN
- Automatic Weather Station (AWS): It consists of Antenna, ARTH- Air Temperature and Humidity Sensors, solar panel, battery, data locker.
- Tools to measure the magnitude of the earthquake: DAS (Distributed acoustic sensing)



The students showed keen interest in understanding the different parameters related to weather and earthquakes, and how they are measured, how the various instrument work, how the

data are collected, processed and transmitted to different centers across the country. The students were very happy and enjoyed to get first hand practical experience.



