

## Report on Visit to Weather Station & PM 2.5 Detector at NSB, RMC

The students of Chemistry department have an educational tour today (21/06/24) to acquire some knowledge on Weather Station set up at New Science Building Campus of Rammohan College in association with Indian Meteorological Dept, Kolkata. Students feel enthusiastic to know that, their college is the only college in North Kolkata having this unique Weather Station facility which is capable of measuring maximum and minimum temperature, relative humidity atmospheric pressure, wind direction and rainfall data.



Prof. Moumita Mandal, Assistant Professor of Geography Department, is describing the functioning of Weather Station and enlighten the students about the data collection.

Our students have also seen the air quality monitoring instrument **Particulate Matter 2.5 Detector (PM 2.5)** which has been installed in premises of New Science Building of RMC in collaboration with IISER, Kolkata and got experience about the pollution of their birthplace Kolkata in terms of measuring total particulate matter with diameter  $< 2.5 \mu$  which is generated through the emissions of burning of coal, oil, diesel & wood.



Prof Shibu Das, Assistant Professor of Botany Department, is guiding the students to monitor changing City air quality by PM 2.5 Detector and throw some light on various health challenges to the residents due to inhalation of particulate matter of diameter  $< 2.5 \mu$ .