

## NATIONAL ICE CORE LAB



The national ice core laboratory established at the Department Earth Sciences is first of its kind in the country to study the Himalayan cryosphere for Paleoclimate and Recent changes in the climate. The laboratory was established with the support of Department of Science and Technology (DST) under the Prime Ministers national

mission on Climate Change under the program National Mission for Sustaining the Himalayan Ecosystem (NMSHE) at a grant of Rupees 90 Million (9 Crore) under the supervision of Professor Shakil A Romshoo. The Laboratory hosts isotope analyzer, ice core drills, Total Organic carbon (TOC) analyzer and other equipments to analyze the ice cores.



## AIR QUALITY OBSERVATORY



The air Quality Observatory established at the Department Earth Sciences under the assistance of Ministry of Earth Sciences under the program “System of Air Quality and Weather Forecasting And Research” (SAFAR). The Lab is the only air quality observatory for monitoring air Quality particularly Particulate Matter (PM) 2.5, 2.10, CO, CO<sub>2</sub>, CH<sub>4</sub>, Nitrous Oxide and Ozone. The Lab is operational since 2013 under the supervision of Professor Shakil A Romshoo.