



The Department of Geology, St. Anthony's College, Shillong, hosted a guest lecture titled "Carbon Dynamics in Polar Regions Shaped by Recent Warming Trends" on 14th October 2025 at Noel Conference Hall. The event drew enthusiastic participation from all major students and faculty members of the Department, marking an overall attendance of around more than 60 participants.

Mr. Dibinus Kassar, Lecturer in the Department of Geology, warmly welcomed the resource persons: Dr. Biswajit Roy, DST-INSPIRE Faculty and Geoscientist at the National Centre for Polar and Ocean Research (NCPOR), and Dr. Sourav Mukhopadhyay, Teaching Associate at North-Eastern Hill University, Tura. Fifth-semester student Manfeeneedee Blah delivered an inspiring welcome address. Dr. Van Jennifer Joan Wallang, Head of Department, felicitated both resource persons.

Dr. Roy opened with an overview of global warming, atmospheric water vapour distribution, thermohaline circulation, Arctic sea ice decline, and its linkage to Northeast India's rainfall patterns. He highlighted NCPOR's ongoing geoscientific research and key expeditions including Antarctic, Arctic, Himalayan, and Southern Ocean missions. His talk concluded with an introduction to macroalgae and its ecological significance.

The lecture proved highly informative and engaging, equipping students with valuable insights into polar carbon dynamics and climate interconnections. The session enriched understanding of global environmental challenges and their regional implications.