

Institute of Climate Change and Environment (ICCE)

Student-Led Climate Awareness and Scientific Outreach at Gazipur Agricultural University 2024



Gazipur Agricultural University
Gazipur 1706

Green Minds, Bold Moves: GAU Youth in Action

1. Shadow Climate Science Olympiad (SCSO)

The Shadow Climate Science Olympiad (SCSO), organized by the GAU Science Club, was Bangladesh's first climate science competition engaging 1,450 students across school, college, and university levels. Designed in three rounds—Preliminary (online quiz), Survey (climate awareness), and Final (solution-based presentations)—the Olympiad empowered youth to tackle real-world climate challenges and propose innovative solutions.

The event was successfully executed through the tireless efforts of club members, who coordinated logistics, facilitated hybrid formats, and mentored participants. Their dedication ensured smooth implementation despite challenges like political instability and limited technological access in remote areas.

Held in Gazipur, the Olympiad simulated international formats to prepare students for global platforms like the Climate Science Olympiad (CSO). Ten capacity-building workshops and a mentorship program supported top scorers in advancing their climate leadership journey.

This initiative was made possible through funding and strategic support from the International Centre for Climate Change and Development (ICCCAD) and Sweden (Sverige), whose backing enabled inclusive participation and high-quality programming. Additionally, the Institute of Climate Change and Environment (ICCE) provided vital technical support to the students of the GAU Science Club, enhancing the scientific rigor and practical relevance of the Olympiad. The event sparked interest in climate careers and advocacy, positioning youth as emerging leaders in sustainability and environmental action.



Moments from the Olympiad: Youth tackling real-world climate challenges with science and creativity.

2. Tree Distribution Program on World Environment Day

On June 5, 2024, to mark World Environment Day, the GAU Science Club organized a meaningful ‘Tree Distribution Program’ at GAU High School. With global temperatures rising and environmental stress intensifying, the initiative aimed to promote tree planting as a practical step toward climate resilience.

A total of 170 saplings of diverse plant species were distributed among students, encouraging them to take personal responsibility for greening their surroundings. Prior to the distribution, club executives conducted a brief awareness session on environmental safety, climate challenges, and the role of youth in protecting the planet.

The event was further enriched by the technical guidance and support of the Institute of Climate Change and Environment (ICCE), whose collaboration helped shape the educational content and outreach strategy. Together, ICCE and the Science Club fostered a spirit of environmental stewardship, empowering students to become active contributors to a sustainable future.



Students receiving saplings during the Tree Distribution Program.

3. iGEM Pathways: Inspiring Synthetic Biology for Future Goals

On July 1, 2024, the BSMRAU Science Club, in collaboration with the iGEM team, hosted a seminar and workshop titled “**iGEM Pathways: Synthetic Biology for Future Goals**” at the Old Auditorium, BSMRAU. The event brought together final-year and master’s students for an engaging exploration of synthetic biology’s potential in solving global challenges.

Led by the dynamic iGEM team, the sessions featured insightful presentations and interactive discussions that sparked curiosity and innovation. The event successfully introduced participants to the iGEM framework, encouraged interdisciplinary thinking, and motivated students to explore synthetic biology as a tool for sustainable development. It marked a meaningful step toward building a future-ready scientific community at GAU.



Participants receiving certificates and prizes during the iGEM Pathways seminar and workshop at GAU.