

Report on Exposure Visit and Session on Climate Change Resilience and Sustainability Through Ecorestoration

Organized by: Biodiversity Club, MES Asmabi College

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Introduction

On January 30, 2025, the Biodiversity Club of MES Asmabi College organized an Exposure Visit and an Expert Session on Climate Change Resilience and Sustainability Through Ecorestoration, led by Dr. Amitha Bachan K.H. The program aimed to provide students with practical knowledge of biodiversity conservation, climate resilience, and ecological restoration techniques through field visits and expert discussions.

Objective of the Visit and Session

- To understand the importance of ecological restoration in combating climate change.
- To explore coastal restoration techniques and their impact on biodiversity.
- To study the significance of sacred groves in traditional conservation practices.
- To observe nurseries for threatened and riparian plants and their role in habitat restoration.

Field Visits

1. Coastal Restoration Site at Our Panchayath

Students visited a coastal restoration site, where they learned about the impact of climate change on coastal ecosystems and how mangrove plantations and sand dune stabilizations help in mitigating coastal erosion and preserving marine biodiversity.

2. Sacred Grove at SN Puram

The visit to the Sacred Grove at SN Puram provided insights into traditional conservation practices. Dr. Amitha Bachan explained how sacred groves act as biodiversity hotspots, preserving medicinal plants, native flora, and fauna. The role of local communities in maintaining these groves was also highlighted.

3. Threatened Plant Nursery and Riparian Plant Nursery at the College

At the Threatened Plant Nursery, students observed efforts to propagate and conserve rare and endangered plant species. The Riparian Plant Nursery showcased plants essential for riverbank stabilization, preventing erosion, and maintaining the ecological health of freshwater ecosystems.

Expert Session by Dr. Amitha Bachan K.H.

Following the field visits, Dr. Amitha Bachan conducted an interactive session on Climate Change Resilience and Sustainability Through Ecorestoration. The session covered:

- The science of ecorestoration and its role in mitigating climate change impacts.
- The importance of native species in biodiversity conservation.
- Case studies of successful ecological restoration projects.
- The role of students and local communities in sustainable conservation efforts.

Conclusion

The exposure visit and expert session provided valuable experiential learning, deepening students' understanding of biodiversity conservation, climate resilience, and sustainable ecological practices. The visit strengthened their awareness of real-world conservation efforts and inspired them to participate actively in environmental restoration initiatives.



