

Sustainable Development Goal 6 (SDG 6)



1. Club Name: Apekshaa

Activity Title: NMMS Teaching Module – Environmental Science & Sanitation (SDG 6: Clean Water & Sanitation)

Conducted NMMS mentoring sessions at REC School focusing on water conservation, sanitation, and hygiene practices, connecting classroom learning with real-world applications.

Impact:

- **Participants:** 100+ students
- Completed **4 modules on sanitation and water conservation**
- Achieved **100% participation in hygiene workshops**
- Increased awareness of **clean water and hygiene practices**

2. Club Name: Designer's Consortium

Activity Title: HYDROSCOPE – Portable Water Testing System (SDG 6: Clean Water & Sanitation)

HYDROSCOPE, developed by the Designers' Consortium Club, is a portable water testing system that integrates microfluidics, dielectrophoresis, holography, and AI-assisted classification to enable rapid and accurate detection of water contaminants. The system is designed for real-time monitoring, providing a cost-effective and scalable solution for ensuring safe water quality in both rural and urban settings.

Impact:

- **Participants:** DC Spektrum teams
- Enabled **on-site, real-time detection of contaminants**
- Improved **speed, accuracy, and efficiency of water testing**
- Promoted **innovative, technology-driven water safety solutions**

