SUSTAINABLE DEVELOPMENT GOAL 6

Clean Water and Sanitation

Woxsen University | Ethics, Responsibility & Sustainability (ERS) Activity Report | January – July 2026

This report presents 3 ERS activities carried out between January and July 2026 that contribute to SDG 6 (Clean Water and Sanitation). Activities that address several goals are reported under each relevant SDG, so some entries also appear in other SDG reports. Related recurring sessions have been grouped into a single entry.

TerraLab – Portable Science Laboratory

Date and time	25 Feb 2026
Venue	ZPHS, Kamkole
School / Department	School of Technology (Team Kankyō)
Participants	57
SDG alignment	SDG 2, SDG 4, SDG 6, SDG 9, SDG 13

A portable laboratory taken to the school so that students of class 9 and above could measure soil moisture, water pH, TDS, turbidity and temperature with sensors, and relate the readings to issues such as water contamination, soil health, acid rain and climate change.

TerraLab replaces textbook-only teaching with hands-on environmental experiments, building data literacy, environmental awareness and problem-solving skills. After the session participants could connect changes in water and soil parameters with real environmental problems around them.







HydroGuardian 2.0 – AI-Powered Aquaculture System

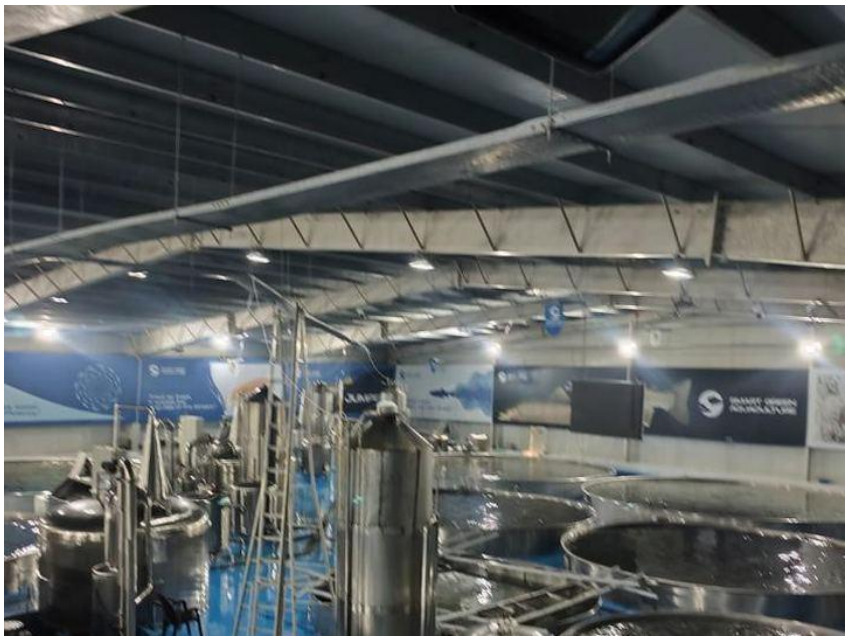
Date and time	11 May 2026, 10:00 am – 1:00 pm
Venue	Smartgreen Aquaculture Limited
School / Department	School of Technology (Societal Internship Program)
Participants	4
SDG alignment	SDG 6, SDG 9, SDG 14

A student project that combines IoT sensors with AI/ML to monitor aquaculture water quality and compute a real-time Hydro Stress Index, so fish farmers get early warning of risks to fish health.

Traditional monitoring relies on manual observation and experience and often misses early warnings. The team studied aquaculture systems, fish health management and predictive analytics, then built a system that predicts stress conditions and recommends preventive action, supporting sustainable, data-driven fish farming.







Donation Drive for Kamkole Boys Hostel

Date and time	Collection by 6 Jul 2026
Venue	Kamkole Boys Hostel
School / Department	School of Architecture and Planning with SOB and SOLH
Participants	11
SDG alignment	SDG 3, SDG 6, SDG 11, SDG 17

Deans and faculty of SOB, SOLH and SOAP raised Rs. 30,000, used to install a new water purifier and repair toilet facilities at the hostel.

The aim was to provide safe, purified drinking water and improve hygiene and sanitation for the hostel residents, while encouraging collective participation among faculty from different schools.







Summary of activities

Date	Activity	Participants
25 Feb 2026	TerraLab – Portable Science Laboratory	57
11 May 2026	HydroGuardian 2.0 – AI-Powered Aquaculture System	4
Collection by 6 Jul 2026	Donation Drive for Kamkole Boys Hostel	11