

THE SUSTAINABILITY REPORT

SDG 5

6 CLEAN WATER AND SANITATION



2023-2024

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BACKGROUND

GU is actively involved in developing and implementing innovative solutions to address water scarcity and improve sanitation facilities. Through community-driven initiatives like beach clean-up events, inclusive water-related programs, and educational workshops highlighting the significance of clean water and sanitation, GU is playing a pivotal role in shaping a more sustainable future for Bahrain while contributing to the realization of SDG 6. By engaging with the community and addressing the fundamental challenges related to water and sanitation, the university is playing a crucial part in advancing the global goal of ensuring access to clean water and sanitation for all.

Water Conservation Program at GU



Due to Bahrain's arid climate and low rainfall, Gulf University relies on the Electricity and Water Authority (EWA) for the supply of water. However, Gulf University has implemented a system where water provided by the EWA is collected in tanks within its premises. This approach enables the university to have control over the distribution and usage of water.

Overall, Gulf University's approach of relying on the EWA for water supply and collecting it in tanks demonstrates a proactive approach to water management given the arid climate of Bahrain. By effectively utilizing the available water resources and implementing measures to conserve water, the university contributes to sustainable water practices and ensures a reliable water supply for its community.

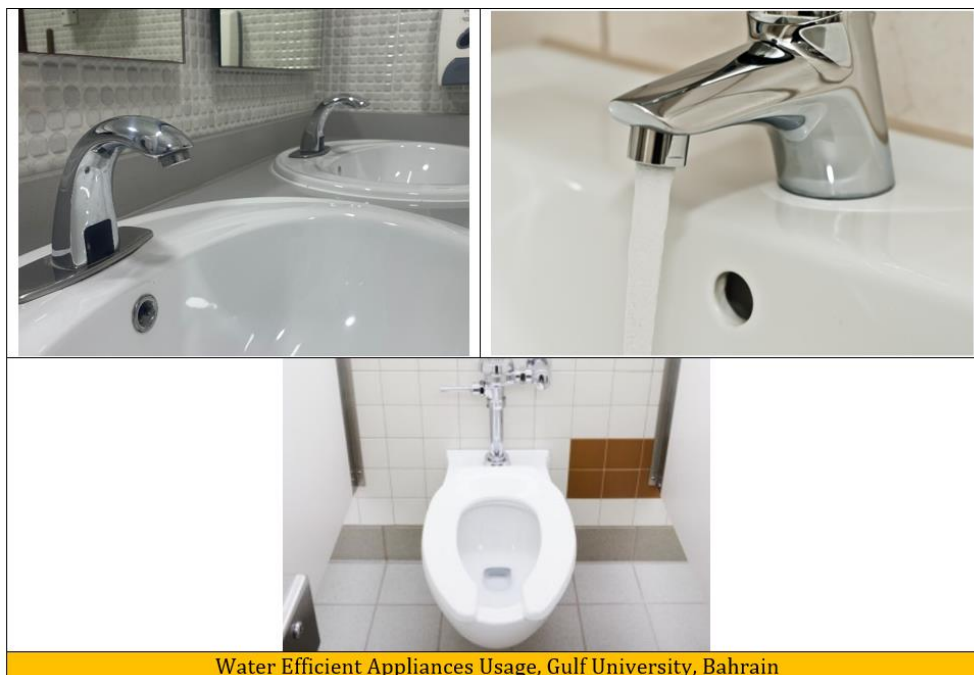
Water Recycling Program at GU



At Gulf University, a sustainable approach is taken with gray water management. Gray water, which consists of wastewater from sinks and air conditioners, is collected separately and utilized for the purpose of irrigating plants and toilet flushing, etc.

Thus, Gulf University's collect and utilize gray water for plant irrigation and toilet flushing showcases a responsible approach to water management and sustainability. By implementing such measures, the university sets an example for environmentally conscious practices and promotes a greener campus environment.

Water Efficient Appliances Usage



At Gulf University, we use taps with sensors in the sinks to avoid wasting water in most of the university's facilities. Some examples of water conservation measures include, low flush WC's and low flow sensor taps.

Appliance	Total Number	Total number water Efficient appliances	Percentage
Low flush WC's	48	42	85.65%
Taps	250	217	86.65%
Etc.
		Average Percentage	85.92%

Consumption of treated water

Gulf University does not have a consumable water treatment facility on its campus. The university relies on the Electricity and Water Authority (EWA), Ministry of Electricity and Water Affairs, Kingdom of Bahrain for the supply of water.

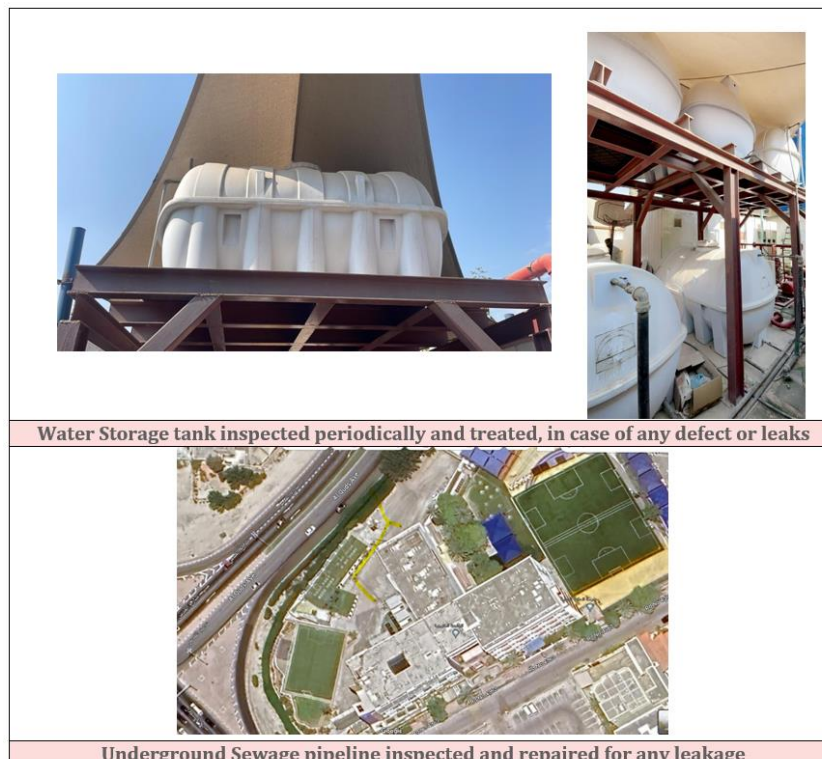
However, Gulf University has a plan for the implementation of a consumable water treatment facility at Gulf University, which demonstrates GU's proactive approach to ensure the availability of safe, clean drinking water for the university community.

Water pollution control in campus area

Inspection of Water Tanks

At Gulf University, the water tanks are subject to periodic inspections and repairs to identify any leaks or signs of wear and tear. This proactive approach helps maintain the integrity of the tanks and ensures that they function efficiently.

Inspection of Sewage Water pipeline



Water Storage tank inspected periodically and treated, in case of any defect or leaks

Underground Sewage pipeline inspected and repaired for any leakage

A robust wastewater management system is implemented at GU to prevent polluted water from entering the water supply system. This system is designed to effectively manage and treat wastewater generated within the university premises. The underground sewage pipeline is inspected periodically and eventually repaired in case of any wear or tear.

Certified Companies for drinking water supply

The image displays three Bureau Veritas Certification certificates for Al Manhal Water Factory W.L.L. (Nestlé Waters - Bahrain). Each certificate is issued for the same facility: BUILDING 1493, ROAD, 1161, BLOCK, 411, AL-MUSALLA, P.O. BOX 54581 MANAMA, KINGDOM OF BAHRAIN. The certificates are for the following standards:

- ISO 9001:2015:** Scope of certification: WATERS PRODUCTION, MANUFACTURING OF PLASTIC PRODUCTS AND DISPATCH OF BOTTLED DRINKING WATERS. Original Cycle Start Date: 18-12-2019. Expiry date of previous cycle: 17-12-2022. Certificate / Recertification Audit date: 26-12-2022. Certification / Recertification cycle start date: 22-02-2023. Certificate No.: SA802180 Rev. 1 Issue date: 22-02-2023.
- ISO 14001:2015:** Scope of certification: WATERS PRODUCTION, MANUFACTURING OF PLASTIC PRODUCTS AND DISPATCH OF BOTTLED DRINKING WATERS. Original Cycle Start Date: 18-12-2019. Expiry date of previous cycle: 17-12-2022. Certification / Recertification Audit date: 26-12-2022. Certificate / Recertification cycle start date: 22-02-2023. Certificate No.: SA802182 Rev. 1 Issue date: 22-02-2023.
- ISO 45001:2018:** Scope of certification: WATERS PRODUCTION, MANUFACTURING OF PLASTIC PRODUCTS AND DISPATCH OF BOTTLED DRINKING WATERS. Original Cycle Start Date: 18-12-2019. Expiry date of previous cycle: 17-12-2022. Certification / Recertification Audit date: 26-12-2022. Certificate / Recertification cycle start date: 22-02-2023. Certificate No.: SA802183 Rev. 1 Issue date: 22-02-2023.

Each certificate includes the Bureau Veritas logo, the UKAS logo, and a QR code. The certificates are signed by the Certification Body and include contact information for the Certification Body and the Local Office in Bahrain.

Gulf University deals with a company certified in terms of quality to provide drinking water to all campus facilities. This company also provides a comprehensive annual inspection of all water coolers and ensures their quality.

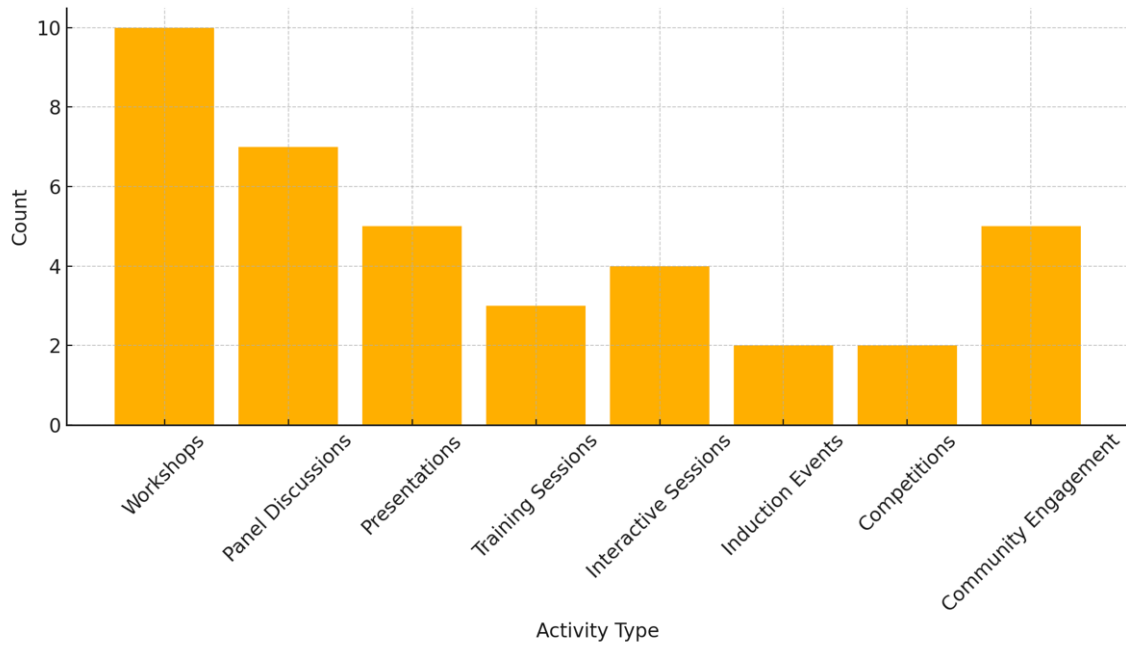
The “Sustainability Week 2024” organized by Gulf University, Kingdom of Bahrain from the 20th to the 24th of October 2024 was a significant initiative dedicated to promoting sustainable practices aligned with the United Nations' 17 Sustainable Development Goals (SDGs). This event brought together a diverse array of participants, including students, faculty, staff, industry partners, experts, government representatives, and community members. Through a range of activities and initiatives, this event aimed to promote environmental, social, and economic sustainability efforts. By bringing together academia, industry, and the community, Gulf University's Sustainability Week 2024 has made a significant contribution to promoting sustainability in Bahrain and beyond.

SUMMARY OF ACTIVITIES BY TYPE

This section provides an overview of all activities conducted during the Sustainability Week, broken down by type and specific examples.

Table 1: GUSW Activities Count

GUSW Activity Type	Count	Topic/Scope
Workshops	10	Energy Conservation, Recycling & Waste Management, Nutrition, Digital Solutions, Clean Energy
Panel Discussions	7	Climate Action, Biodiversity, Circular Economy, Urban Planning
Presentations	5	SDG Overview, Climate Change, Smart Mobility, Urban Design
Training Sessions	3	“AI & Metaversity for Sustainable Development” Workshop, ESG Engagement, Smart Cities
Interactive Sessions	4	Marine Conservation Awareness, SDG Exploration, Tree Planting, Community Wellness
Induction Events	2	Sustainability Club Formation, Campus Clean-Up Challenge
Competitions	2	SDG Quiz, Best Innovative Research/Project Competition
Community Engagement Activities	5	Farmers Market, Potluck Lunch, Tree Planting, On-Campus Clean-Up, Donation Drives
Key Speakers/Panelists	20+	Including representatives from Ministries, KPMG Bahrain, UNIC, Bahrain Science Center



Activities for SDG 6: Clean Water & Sanitation

The university organized a total of 15 activities aligned with SDG 6: Clean Water and Sanitation during Sustainability Week. These initiatives encompassed workshops, panel discussions, presentations, training sessions, interactive sessions, induction events, competitions, and community engagement activities. The topics covered a wide range of areas, including energy conservation, recycling, waste management, nutrition, clean energy, climate action, biodiversity, circular economy, and urban planning.

The university also invited renowned experts and industry leaders as key speakers and panelists to share their insights and experiences. By organizing these diverse activities, the university aimed to promote clean water and sanitation, and to ensure sustainable water management practices.

Compiled & edited by:

Dr. Tanvir Mahmoud Hussein, PMP®
Head, Accreditation and Ranking Unit
 Gulf University, Kingdom of Bahrain