



Report on UN SDG 6: Clean Water & Sanitation

Introduction

While substantial progress has been made in increasing access to clean drinking water and sanitation, billions of people mostly in rural areas still lack these basic services. Worldwide, one in three people do not have access to safe drinking water, two out of five people do not have a basic hand-washing facility with soap and water, and more than 673 million people still practice open defecation.

Objective of the SDG: Ensuring that everyone has access to clean, affordable drinking water as well as sanitation facilities by 2030 is the main goal of Sustainable Development Goal (SDG) 6, Clean Water and Sanitation. It involves improving water-use efficiency, boosting sustainable water management techniques, and improving water quality overall. In addition, the goal strives to address the lack of water, pollution, and poor sanitation, especially in communities who are already vulnerable. Meeting this objective will contribute to a more sustainable and equitable future for all by enhancing public health and well-being, fostering socioeconomic development, environmental sustainability, and resilience to water-related calamities.

University's Objective :

To implement effective water conservation measures on campus, including rainwater harvesting and the use of a Sewage Treatment Plant (STP), and to promote sanitation and hygiene awareness in the local community.



University's Environment Department

- Conducts awareness programs, workshops, and campaigns on water conservation, safe sanitation, and hygiene practices within the campus and nearby communities.
- Undertakes research projects related to water quality monitoring, wastewater management, and sustainable use of water resources.
- Collaborates with local bodies and organizations to promote clean water accessibility and eco-friendly waste disposal methods.
- Implements and monitors campus-level initiatives such as rainwater harvesting, wastewater recycling, and reduction of water wastage.
- Engages students in community outreach programs and environmental drives to promote sustainable sanitation and hygiene practices.

Faculty of Medicine -

- Conducts health awareness programs focusing on waterborne diseases and sanitation practices.
- Ensures safe water standards within hospital wards, laboratories, and clinical units.
- Engages medical students in community health drives emphasizing safe water, hygiene, and sanitation in rural outreach programs.

Faculty of Dental Sciences -

- Promotes oral hygiene awareness linked to clean water and sanitation.
- Ensures water used in dental procedures meets sterilization and infection-control standards.

Faculty of Nursing -

- Conducts public health education sessions in nearby villages focusing on safe drinking water, sanitation, and hygiene (WASH).
- Trains students in infection prevention, hygiene management, and hospital sanitation protocols.

Faculty of Allied Health Sciences -

- Organizes wellness programs emphasizing health

Faculty of AYUSH -

- Organizes yoga and wellness programs emphasizing holistic health, hygiene, and clean surroundings.

Faculty of Engineering & Technology -



- Undertakes student innovation projects on water conservation, grey water recycling, and smart irrigation systems.
- Collaborates with environmental and civil engineering departments to enhance sustainable campus infrastructure.

Faculty of Pharmacy -

- Conducts research on waterborne contaminants, purification materials, and their impact on public health.
- Ensures pharmaceutical waste management adheres to environmental regulations to prevent water pollution.

Faculty of Law -

- Runs legal literacy programs on the Right to Clean Water and Sanitation as a fundamental human right.
- Organizes seminars and lectures on environmental legislation such as the Water (Prevention and Control of Pollution) Act, 1974, and the Swachh Bharat Mission.

Faculty of Science -

- The Departments of Environmental Science and Microbiology conduct water testing, microbial analysis, and pollution monitoring.
- Undertakes research projects on groundwater contamination, bioremediation, and sustainable water technologies.
- Promotes scientific solutions for clean water access through academic-industry collaborations.

Faculty of Education -

- Integrates environmental education and water conservation modules in B.Ed. and M.Ed. curricula.
- Teacher trainees conduct school awareness campaigns on hygiene, sanitation, and hand washing practices.

Faculty of Fine Arts -

- Creates posters, murals, and art installations around campus promoting water conservation and cleanliness.
- Uses visual arts as a medium to raise public awareness on sustainability and responsible water use.

Faculty of Management and Commerce -



- Integrates sustainability management concepts into business and leadership education.

College of Hotel Management -

- Promotes water-efficient kitchen and housekeeping practices through training and demonstration.
- Educates students on sustainable hospitality management, including low-flow fixtures and minimal water wastage techniques.

Faculty of Arts and Social Sciences -

- Produces documentaries, visual campaigns, and radio programs on clean water and sanitation themes.
- Promotes community engagement programs through plays, essay competitions, and awareness drives on water conservation.
- Educates students and rural communities on household water management, hygiene, and waste segregation.
- Curates digital and print resources on clean water, sanitation, and environmental protection.
- Conducts talks and workshops on cleanliness, environmental ethics, and mindfulness in sustainable living.
- Promotes values of purity, discipline, and harmony with nature, inspired by Buddhist teachings.

University-wide Initiatives -

- Operates a centralized Water Treatment Plant (WTP) to provide safe and potable water across all hostels, hospitals, and academic departments.
- Equipped with RO water purification systems in hostels, canteens, and academic blocks to ensure hygienic drinking water.
- Maintains a fully functional Sewage Treatment Plant (STP) — with treated water reused for gardening, landscaping, and horticulture.
- Implements Rainwater Harvesting Systems across multiple buildings to support groundwater recharge and sustainable water management.
- Conducts regular water quality testing through the Departments of Environmental Sciences and Engineering, ensuring compliance with safety standards.
- Organizes awareness campaigns on water conservation and sanitation through NSS, NCC, IQAC, and student-led initiatives.



- Provides clean, gender-segregated sanitation facilities in all academic, residential, and administrative areas.
- The Swachhata Committee monitors hygiene, sanitation, and waste management to maintain a clean campus environment.
- Actively participates in national cleanliness and water campaigns such as Swachhata Pakhwada and Jal Shakti Abhiyan, promoting water conservation and hygiene awareness.

THE CONTEXT: Maintaining clean water and sanitation is essential to fostering a safe and supportive learning environment. Universities are essential to the development of innovation, research, and knowledge transfer in the fields of sanitation and water management. In addition to protecting the health and wellbeing of instructors, staff, and students, ensuring that campuses have access to clean water and sanitary facilities also encourages sustainable habits and awareness within the academic community. Universities also act as focal points for the implementation of wastewater treatment technology, educational activities, and water conservation campaigns, which support larger projects aimed at meeting global water and sanitation objectives.

The Practice: Universities use a number of strategies to effectively promote SDG Goal 6: Clean Water and Sanitation. In addition to having 33 rainwater harvesting pits in the campus for ground water recharging, two effluent treatment plants, one sewage treatment facility for water treatment, and annual quality checks of the water, we have water treatment system that meet campus-specific needs and strategies for water conservation. A university's primary responsibility is to upgrade and maintain sanitary infrastructure to ensure that everyone in the academic community has access to accessible, clean bathrooms. This involves using eco-friendly hygiene products, installing water-saving equipment, and establishing a schedule for cleaning and inspections. University also has effective solid and



hazardous waste collection and treatment facility where major solid waste generated by the university have been treated within the campus.

Additionally, educate staff, instructors, and students on the problems related to water and sanitation. Multidisciplinary workshops, research opportunities, and courses related to environment, sanitation hygiene, and public health implications are provided by university. Our Universities act as role models for sustainability, motivating the next generation and supporting international efforts to guarantee everyone has access to clean water and sanitary facilities.

✚ Evidence of Success





Water Monitoring

Figure: Showing STP.



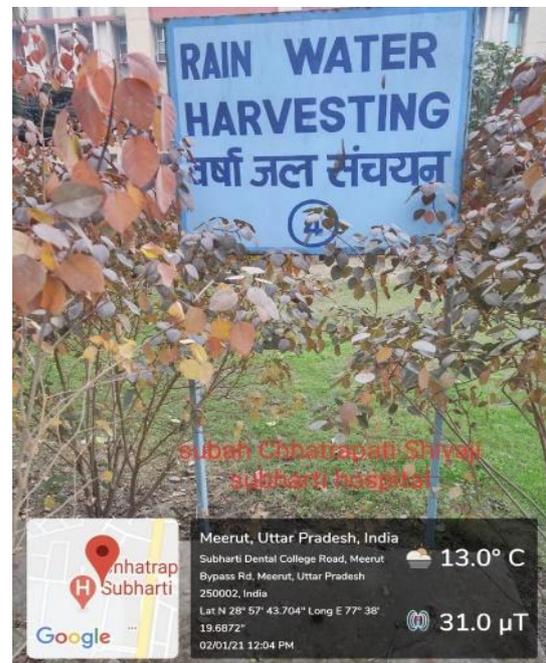


Figure: Showing ETP.





Figure: Showing the all rain water harvesting tank.





Water Tanks





Solid and hazardous waste collection & Storage





❖ Problems encountered and Resources Required

❖ Suggestions

Future targets

- Collection of RO rejected water and AC drained water via a combined pipe and its reuse in various activities.
- Improve sanitation facilities by providing vaccume toilets and latrines that flush into a sewer or safe enclosure.
- New sustainable wash basins attached with storage tank for conservation of water and hygiene.



- Provide combined pre-treated drinking water supply.
- By building groundwater recharge ponds for supply and other usages.

The objectives of Swami Vivekanand Subharti University, in alignment with the United Nations Sustainable Development Goals (UNSDGs), along with the University’s contributions towards achieving these objectives, are outlined below:

UNSDGs and University’s Objective	University’s Contribution Towards Achieving its Objectives
<p>SDG 6: Clean Water and Sanitation</p> <p>University’s Objective : To implement effective water conservation measures on campus, including rainwater harvesting and the use of a Sewage Treatment Plant (STP), and to promote sanitation and hygiene awareness in the local community.</p>	<p>University’s Environment Department</p> <ul style="list-style-type: none"> • Conducts awareness programs, workshops, and campaigns on water conservation, safe sanitation, and hygiene practices within the campus and nearby communities. • Undertakes research projects related to water quality monitoring, wastewater management, and sustainable use of water resources. • Collaborates with local bodies and organizations to promote clean water accessibility and eco-friendly waste disposal methods. • Implements and monitors campus-level initiatives such as rainwater harvesting, wastewater recycling, and reduction of water wastage. • Engages students in community outreach programs and environmental drives to promote sustainable sanitation and hygiene practices. <p>Faculty of Medicine -</p> <ul style="list-style-type: none"> • Conducts health awareness programs focusing on waterborne diseases and sanitation practices. • Ensures safe water standards within hospital wards, laboratories, and clinical units. • Engages medical students in community health drives emphasizing safe water, hygiene, and sanitation in rural outreach programs. <p>Faculty of Dental Sciences -</p> <ul style="list-style-type: none"> • Promotes oral hygiene awareness linked to clean water and sanitation. • Ensures water used in dental procedures meets sterilization and infection-control standards. <p>Faculty of Nursing -</p> <ul style="list-style-type: none"> • Conducts public health education sessions in nearby villages focusing on safe drinking water, sanitation, and hygiene (WASH). • Trains students in infection prevention, hygiene management, and hospital sanitation protocols. <p>Faculty of Allied Health Sciences -</p> <ul style="list-style-type: none"> • Organizes wellness programs emphasizing health <p>Faculty of AYUSH -</p> <ul style="list-style-type: none"> • Organizes yoga and wellness programs emphasizing holistic health, hygiene,



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