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# 6 CLEAN WATER AND SANITATION



Jul 2023 - June 2024

Chitkara University has made significant strides in promoting SDG 6 (**Clean Water and Sanitation**) through educational, community, and environmental initiatives that emphasize clean water access, sanitation, and sustainable water management.

**Total Participants: - 826**

**Key Initiatives:**

1. Publications: - 68
2. MOUs: - 1
3. Patent: - 24
4. Courses mapped: - 38
5. **World Nature Conservation Day:** This event raised awareness about sustainable water management through expert talks and student engagement activities like quizzes and poster competitions.
6. **Save Water Campaign:** Aimed at reducing water waste, this event in the university's hostels educated students about water conservation and promoted active student participation in water-saving initiatives.
7. **Guru Dakshta Faculty Induction Program:** This program integrated SDG 6 into staff training, promoting water conservation and sanitation awareness among newly recruited faculty members.
8. **Swachhta Hi Seva – Global Clean & Green:** Through various cleanliness drives, competitions, and awareness programs, this initiative promoted hygiene, sanitation, and waste management.
9. **Ek Tareekh Ek Ghanta:** Part of a nationwide cleanliness campaign, this event encouraged students and staff to actively participate in cleaning activities while raising awareness about the importance of sanitation and hygiene.
10. **Gandhi Jayanti - Ek Tareekh Ek Ghanta:** Focused on cleanliness and sanitation, this event highlighted the importance of clean environments through street plays, oaths, and cleaning drives in both adopted villages and the university campus.



11. **Session on Food Sanitization and Hygiene:** This session educated hospitality students on proper food and water hygiene practices, further spreading this knowledge to school children.
12. **Environmental Protection Practices:** This event raised awareness about marine pollution, sewage treatment, and responsible waste management to protect water resources.
13. **Clueminati:** Through an engaging treasure hunt, this event educated students about water conservation and sanitation while fostering teamwork and problem-solving.
14. **Sustainable Development and Environmental Pollution:** This event focused on water conservation and pollution control, addressing challenges to safeguarding water resources.
15. **Short-Term Mobility Program from Murdoch University:** This program fostered international collaboration and focused on sewage treatment plants, emphasizing the role of proper wastewater treatment in protecting water resources.
16. **World Water Day:** Commemorating the theme "Water for Peace," this event emphasized the importance of water conservation and management in fostering global stability and peace.
17. **Poster Making Competition:** As part of World Water Day, this event encouraged creativity and raised awareness about water conservation through student artwork.
18. **H2O Architects Workshop:** This workshop inspired students to design drought-resilient solutions and creatively contribute to water conservation efforts.
19. **Chitkara Mandi Exhibition:** This event indirectly supported SDG 6 by promoting sustainable practices and highlighting the role of water conservation in various community-driven projects.

Overall, these events show Chitkara University's strong commitment to advancing SDG 6 through education, awareness campaigns, and hands-on activities, fostering a culture of sustainability among students and faculty alike.

## INDEX

S No.	Department	Date	Event	Page No.
1	NSS	28 Jul 23	World Nature Conservation Day	4-5
2	Hostels	13 Aug 23	Save Water	6
3	Office of Talent Management	19 Aug 23	Guru Dakshta	7
4	Office of Administration	17 Sep 23	Swachhta Hi Seva	8-9
5	Office of Administration	1 Oct 23	Ek Tareekh Ek Ghanta	10
6	NSS	2 Oct 23	Ek Tareekh Ek Ghanta	11-12
7	NSS	17 Oct 23	Food Sanitation and Hygiene	13-14
8	CUSMS	27 Oct 23	Environmental Protection Practices	15-16
9	NSS	2 Nov 23	Clueminati	17-18
10	CLS	20 Jan 24	Sustainable Development and Environment Pollution	19-20
11	Office of International Affairs	8 Feb 24	Short Term Mobility Program from Murdoch University Australia	21-22
12	CSPC	18 Mar 24	World Water Day	23-24
13	CURIN	18 Mar 24	Integral Role of Mathematics	25-26
14	CUIET : AE	22 Mar 24	International World Water Day 2024	27-28
15	CSHS	22 Mar 24	Poster Making Competition	29-30
16	CSPA	25 Mar 24	World Water Day : H2O Architects	31-32
17	CSHS	8 Apr 24	CSR Activity	33-36
18	Centre of Global Education	10 Apr 24	CSR Activity	37-38
19	CBS	10 May 24	Chitkara Mandi	39
20	Water Awareness in Villages			40-42
21	Report on Water Conservation Methods			43-51



Event Name:-	World Nature Conservation Day
Venue:-	Govt. Sr. Sec. School, Village Jansla
Date:-	28 <sup>th</sup> July, 2023
SDG Number, Name and NEP:-	4-Quality Education, 6- Clean Water and Sanitation, 13- Climate Action, NEP-1
Organized By:-	National Service Scheme, Chitkara University, Punjab
Resource Person:-	Ar. Shubham Jain, Assistant Professor, CSPA
Number of Attendees:-	84
Duration:-	One Day



### **Description of Event**

With this sentiment flowing through us like a gentle stream, Chitkara University welcomed the rejuvenating spirit of "Nature Conservation Day" on the 28th of July, 2023. Senior Secondary School, Jansla, embraced the wisdom of nature preservation, an imperative echoed by the expert Ar. Shubham Jain.

As Ar. Shubham Jain's words unfurled, the students' ears perked up, each syllable a drop of knowledge in the vast ocean of environmental preservation. He delved into the intricate designs of ecosystems, portraying them as interconnected tapestries that mankind must strive to preserve. By unveiling the impact of human intervention in nature's grand play, the expert instilled a sense of urgency, making clear that even minor changes could trigger a cascade of unintended consequences. From discussing coping strategies during natural disasters to magnifying the impact of even the tiniest individual gestures, the expert's insights swung open the gates of unexplored knowledge.

Amid this enlightening discourse, a thrilling quiz engaged the students' enthusiasm. A sense of excitement reverberated as the students eagerly embraced the challenge, channelling their newfound understanding of the ecosystem into answers that showcased their insights. The winners, who emerged triumphant from this intellectual battle, were felicitated with awards, and their efforts were celebrated as a testament to their dedication.

This occasion represented far more than a simple act of recognition. Together, the expert and the budding minds laid the groundwork for transformative change, heading toward a future defined by sustainability. In the wake of Ar. Shubham Jain's visit, the school had become a haven of inspiration, where the seeds of environmental consciousness were sown. As the echoes of the day's wisdom lingered, the young minds stood ready to

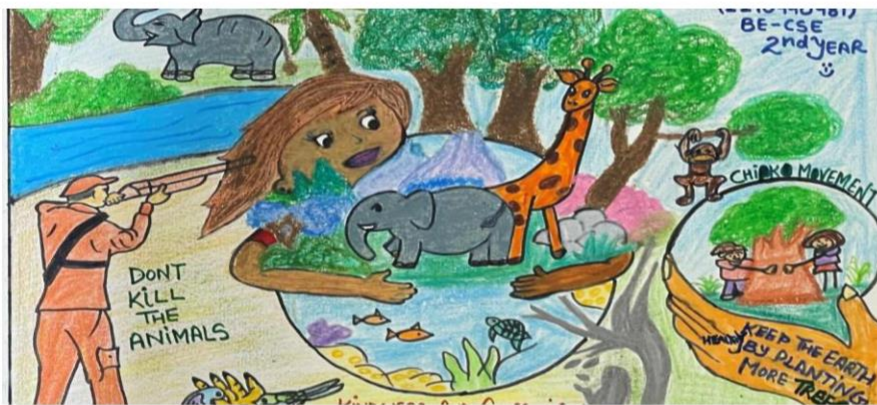
become guardians of the earth, transforming their learning into impactful actions, one step at a time.

The Department of Computer Applications, under the aegis of the National Service Scheme (NSS), organized the poster competition in online mode to celebrate World Nature Conservation Day on July 28, 2023. This competition offers students a chance to display their creativity and share their thoughts on how we can conserve nature and protect our vital water resources.

Participants are invited to apply their artistic talents to emphasize the importance of sustainable water management and its role in ensuring the safety of our planet for future generations. The posters conveyed strong messages and impactful visuals, underscoring the necessity for sustainable practices, biodiversity, water conservation, and the protection of aquatic life.

The efforts in organizing this competition demonstrated its dedication to nurturing environmentally conscious individuals and fostering a greener and healthier world. The event served as a reminder that every small action counts and that art can be a powerful tool in advocating for positive change.

In conclusion, the **World Nature Conservation Day** poster-making competition successfully combined creativity with environmental advocacy. As participants channel their artistic talents into advocating for water conservation, they remind us that each individual can play a part in safeguarding the environment.



<b>Event Name</b>	Save water
<b>Date</b>	13 August 2023
<b>Venue</b>	Hostels
<b>Organizer</b>	Indira Sharma
<b>Resource Person</b>	
<b>Number of Participants</b>	200
<b>SDGs Covered</b>	SDG 6
<b>Duration</b>	1 Hour



6 CLEAN WATER AND SANITATION



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**About the Activity**

The hostel Team organized an event on 13th August 2023 in the girls' Hostels including Pie A, C, B, IBN A, and IBN B, Nightingale A, Nightingale B how to save water.

**Tackling Water Waste:** Water scarcity is a growing concern. To address this challenge, we're launching a dynamic program designed to spark student engagement in water conservation.

**Student Action is Crucial:** The effectiveness of this initiative hinges on active student participation. Partnering with the University's Sustainability Squad, we'll be hosting informative sessions every quarter.

**Empowering Through Education:** These sessions won't just be about facts and figures. Our goal is to cultivate a sense of responsibility and encourage thoughtful decision-making. Interactive workshops and engaging activities will equip students with the knowledge and practical skills to become active participants in reducing our university's water consumption.

**Building a Culture of Conservation:** By fostering a culture of water awareness, we can collectively make a significant impact on the environment and ensure a sustainable future. Together, let's turn off the tap on waste and make every drop count!



SDG 6 (CLEAN WATER AND SANITATION) JULY 23 – JUNE 24



Event Name	Guru-Dakshata (Faculty Induction Program) Conduct of Training Session on Environment Consciousness and Sustainable Development Goals (Module - 9)
Date	19-Aug-23
Venue	Pierre Hall (Le Corbusier Block)
Organizer	Office of the Talent Management
Resource Person	Dr. Gurpreet Singh Saggu, Sustainability Manager
Number of Participants	56
SDGs Covered	SDG 6,7,11,12,13,15
Duration	4 hrs

The Learning and Development Cell of the Office of Talent Management conducts several training programs to educate and sensitize the staff members about the SDGs and to contribute to the achievement of these goals. Details of the following programs /activities are given in this report:

Faculty Induction Program - Guru-Dakshata

### **Guru-Dakshata Program**

To provide support to newly recruited faculty at the higher education level for the enhancement of their effectiveness as teachers, the University Grants Commission has provided guidelines to all the higher education institutes to conduct a faculty induction program named ‘GURU DAKSHATA’. The content of the ten modules of the program is multi-faceted and some of the modules directly relate to the achievement of SDGs. The details of the training activities conducted under this program have a direct bearing on the achievement of SDGs. The training activities educate new employees about the importance of water conservation and proper sanitation practices. This helps foster a culture of sustainability within the workplace and encourages employees to take action towards achieving the goal of clean water and sanitation for everyone. Integrating SDG 6 into induction programs can help create a more environmentally conscious workforce that is committed to making a positive impact on the world.

Detail of the Event/Session	
Date of the Event/Session	17-Sep-23 to 23-Sep-23
Name of the Event/Session	Swachhta hi seva. Global Clean & Green Week!
Organised By	Office of Administration
Trainee Team & Collaboration/Count	Housekeeping Staff, Gardner & OSA/55
SDG Covered	6, 15

Global Green Week is an important initiative aimed at promoting hygiene, sanitation, and waste management practices. By increasing awareness of these critical issues, individuals and communities can collaborate to ensure access to clean water and sanitation for everyone. Chitkara University organized Global Green Week to inspire students and staff to embrace eco-friendly habits that contribute to the protection of our planet for future generations.



- A variety of activities were organized for the GLOBAL CLEAN & GREEN WEEK
- A cleanliness and planting initiative took place on campus, where the Administration and Horticulture departments worked together to establish a garden near the waste yard.
- The Administration held a competition inviting ideas to foster a Clean & Green Society and campus, with selected proposals receiving Cash Awards. The competition drew an encouraging response, allowing students from all disciplines to participate. A panel of three judges from different fields chose the winners.
- Students from the OSA performed a street play on campus to promote the importance of cleanliness and greenery. Special thanks to Dr. Neelam Verma!

A visit was made to a school in one of our five adopted villages, where support teams from the Administration and Horticulture cleaned the area and created a garden. Meanwhile, OSA students conveyed the message of cleanliness and the importance of greenery through a street play.





Detail of the Event/Session	
Date of the Event/Session	01-Oct-23
Name of the Event/Session	Ek Tareekh Ek Ghanta
Organised By	Office of Administration
Trainee Team & Collaboration/Count	Housekeeping & Service Staff/50
SDG Covered	6, 15

Cleanliness is crucial for hygiene and overall health. It involves keeping oneself, the environment, and belongings free from dirt, germs, and other contaminants. Effective waste management is key to avoiding pollution and disease. Practices like regular hand washing and maintaining tidy living areas promote good hygiene. Moreover, cleanliness fosters a sense of order and comfort in both personal and communal spaces, improving the overall quality of life.

On 1 October 2023, the Government of India launched a cleanliness campaign called "Ek Tareekh ek ghanta".



SDG 6 (CLEAN WATER AND SANITATION) JULY 23 – JUNE 24



Event Name:-	Gandhi Jayanti-Ek Tareekh Ek Ghanta
Venue:-	Chitkara University, Punjab
Date:-	2 <sup>nd</sup> October, 2023
SDG Number, Name and NEP:-	3-Good Health and Well Being, 4-Quality Education, 5-Gender Equality, 8-Decent work and economic growth, 6-Clean Water and sanitation, 13-Climate Action NEP-1
Organized By:-	National Service Scheme, Chitkara University, Punjab
Number of Attendees:-	153
Duration:-	One Day

## Description of Events

**"Be the change you wish to see in the world."**

Mahatma Gandhi's powerful words resonated deeply with the people of Chitkara as they celebrated the birth anniversary of this remarkable leader. On October 1st and 2nd, 2023, Chitkara University in Punjab was infused with a spirit of transformation through the 'Ek Tareekh, Ek Ghanta' initiative, which is a key

component of the 'Swachhata Hi Seva' campaign.

This mission emphasizes cleanliness, hygiene, and sanitation, reflecting Gandhi's principles. Its goal is to raise awareness about the significance of maintaining clean environments and practicing good hygiene.

The path to transformation started in the adopted villages, where NSS Volunteers from Chitkara University joined forces with students from Govt.

Sen. Sec. School, Thuha, to enhance cleanliness. Additionally, an oath ceremony took place to reinforce the shared commitment to uphold cleanliness among the students.

The highlight, however, was a thought-provoking Nukkad Natak, "Vyatha Dustbin Ki," performed by the talented NSS Volunteers. With every gesture and every word, they etched the significance of cleanliness into the minds of all who watched.

Throughout the entire event, the students showed great excitement and zeal as they were imparted a sense of responsibility toward their environment and society.

As the day progressed, Chitkara's campus echoed with the enthusiasm of hostel students. To enhance the cleanliness of the already pristine campus, students in the hostels took part in a spirited cleanliness drive. With dedication and a sense of purpose, boys and girls meticulously





cleaned their living premises. Akin to Gandhiji's guiding light, this step was not merely a display of cleanliness but a profound homage to the wisdom of this luminary.

In conclusion, Chitkara University's tribute to this great visionary left a noteworthy impact. It served as a poignant reminder that change must begin from within, and the transformation sought in the world commences within one's own heart and through their actions.





Event Details	
Topic	Session on Food sanitization and hygiene
Date	17th October, 2023
Mode	Offline
Organizer name	Chitkara College Of Hospitality Management
Resource person	Chef Aditya Saksena
No. of participants	42
SDG No.	SDG 2: Zero Hunger, SDG 4: Quality education, SDG 6: Clean water and sanitation, SDG 17: Partnership for goals, SDG 12: Responsible Consumption and Production

### Objective

1. Understanding Food Sanitization
2. Community Engagement and Outreach:
3. Hands-on Learning and Practical Application
4. Experiential Learning and Exposure

### Description

Chitkara College of Hospitality Management in collaboration with the National Services scheme, Chitkara University organized an interactive session on the topic of Food sanitization and hygiene for the students of 3rd Sem B.Sc. (HA) on the occasion of World Food Day on 17th October 2023. The students were able to gain knowledge about basic food sanitization and hygiene practices in the hospitality industry which can be used by the school students in their day-to-day life as well. The students interacted with students from a nearby government elementary school in Jansla which is an adopted village by our university. The students interacted with the school students and gained confidence and exposure. The students distributed Food

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Session on  
" Food Sanitation and Hygiene "

**WATER IS LIFE, WATER IS FOOD.  
LEAVE NO ONE BEHIND**

Resource Person:  
**CHEF ADITYA SAKSENA**  
CHITKARA COLLEGE OF HOSPITALITY MANAGEMENT

Date: 17<sup>th</sup> October, 2023  
Time: 12:00 pm onwards  
Venue: Government Elementary School, Jhansla

Organised by: Chitkara College of Hospitality Management  
in collaboration with the National Service Scheme

packets which were prepared by the students of 3rd Sem Chitkara College of Hospitality Management. Chef Aditya Saksena, Chitkara College of Hospitality Management, Chitkara University was the resource person for this interactive session.

### Outcomes

1. Increased awareness and understanding among students about the significance of food sanitization and hygiene practices.
2. Enhanced interpersonal skills and cultural sensitivity through interaction with students from diverse backgrounds.
3. Practical experience in food preparation and distribution, equipping students with practical skills applicable in both academic and real-life settings.
4. Strengthened sense of social responsibility and community engagement, inspiring students to actively contribute to addressing societal challenges and making a positive impact in their communities.
5. Learned about the importance of hygiene and proper sanitation and the harmful effects of drinking contaminated water



Event	A Session on Environmental Protection Practices		
Date/Time	27-10-2023	Mode:	Offline
Location	Tesla Block, Chitkara University Punjab		
Activity In-Charge	Mr. Brij Kishore		
No. of Participants:	21 Cadets		
Resource Person (if any)	--		
SDGs	4 – Quality Education, 6 – Clean Water and sanitation, 13- Climate Action, 14 – Life below water, 15 - Life of Land, 17 - Partnerships for the Goals		

## **BRIEF DESCRIPTION**

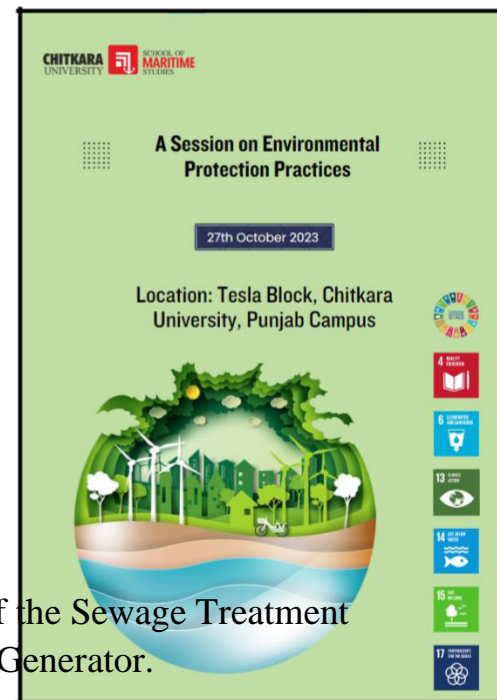
This workshop was conducted to spread awareness about Marine Pollution. Marine pollution is a growing concern that affects the health of our oceans and marine life. It is important to address this issue to protect our environment and ensure the sustainability of our planet. By taking action to reduce pollution and promote responsible waste management practices we can work towards achieving a cleaner and healthier marine ecosystem for future generations

Cadet Saksham Rana and Cadet Brahmpreet Singh conducted this event; they explained various topics related to Marine Pollution.

Cadet Saksham Rana explained the Garbage Management System and various colored dustbins used onboard.




Cadet Brahmpreet Singh then explained the principle & working of the Sewage Treatment Plant (STP), while Cadet Kritin Kamboj explained the Fresh Water Generator.

The event was conducted under the supervision of Mr. Brij Kishore.







Event Details	
Title of the Event:	Clueminati 
Date of the Event:	2 <sup>nd</sup> November, 2023  
Venue	OAT, Near SQ2
SDG no	6,10
No. of Student Enrolled:	170
No. of Student Attended	170
Resource Persons:	Dr. Neeraj

## **Objective**

The Clueminati Treasure Hunt Event was organized to have an engaging activity with the different students of the University to raise awareness about NSS. The treasure hunt kept the participants engaged with the formed teams, compelling them to work together to solve the various riddles given to them which improved their collaboration in a team, problem-solving, and team skills. Participants were encouraged to help each other and work together to use the clues and find the hidden treasure to raise a sense of camaraderie and shared accomplishment among them. Participants from various backgrounds and groups formed teams to participate in this fun-filled event.

Sustainable Development Goal 6 (SDG 6) focuses on clean water and sanitation for all. It aims to ensure that everyone has access to safe and affordable drinking water and proper sanitation facilities. The National Service Scheme (NSS) plays a crucial role in promoting awareness and implementing projects related to water conservation and sanitation in local communities. By working together we can help achieve SDG 6 and ensure a healthier and more sustainable future for all.

## **Outcomes**

- Participants enhanced their teamwork abilities through collaborative efforts to find the treasures.
- Participants were engaged with people from various backgrounds fostering a rich and diverse exchange of ideas and perspectives among the teams
- The event provided an insight into the NSS and its work, motivating more students to volunteer and be a part of it.
- Participants were ultimately able to improve their communication, critical thinking, and soft skills in a fun and engaging manner.







Event details	
Name of the School/Department	Chitkara Law School
Date of Event	20 <sup>th</sup> January 2024
Title of the Event	Sustainable Development and Environment Pollution: Issues and Challenges
Mode	Offline
Type of participation	Organized
Number of Faculty participation	09
Number of Student participation	49
Number of Guests participants	08

Chitkara Law School initiated its efforts towards Sustainable development goals as part of United Nations Goals by organizing an address on Sustainable Development and Environment Pollution: Issues and Challenges. Mr. Sumit Bhardwaj, President, of Green Planet Society, Chandigarh along with the team graced the Occasion.

The students were enriched with practical exposure to different endeavors taken by society to help towards Sustainable development. Sustainable Development Goal 6 focuses on ensuring access to clean water and sanitation for all. Water conservation is essential to prevent scarcity and protect the environment. However, water contamination poses a significant challenge leading to health risks and ecosystem damage. It is crucial to address these issues through proper waste management and pollution control measures to safeguard our water resources for future generations. Further, the students were encouraged to sustain the Environment through their efforts. Moving ahead with this objective, Chitkara Law School signed an MOU with "Green Planet Society" to ignite the spirit of environmental protection through internship.



SDG 6 (CLEAN WATER AND SANITATION) JULY 23 – JUNE 24





Event Name	Short-Term Mobility Program from Murdoch University, Australia
Date	8 <sup>th</sup> February 2024
Venue	Chitkara University, Rajpura
Organizer	Office of International Affairs
Resource Person	<ol style="list-style-type: none"> <li>1. Dr David Goodfield, Senior Lecturer, Discipline of Engineering and Energy, College of Science, Technology, Engineering and Mathematics</li> <li>2. 9 Students</li> </ol>
Number of Participants	10 Guests, 7 Employees
SDGs Covered	SDG 4, SDG 5, SDG 8 and SDG 17
Duration	One Day

### **About the Activity**

The Office of International Affairs at Chitkara University recently coordinated a short-term mobility program for a delegation of 10 representatives from Murdoch University, Australia. This program offered a unique opportunity for a professor and 9 students to collaborate on a video project focused on Sewage Treatment Plants. Sewage treatment plants play a crucial role in removing harmful pollutants from water before it is released back into the environment. By treating wastewater properly we can protect our water sources and prevent the spread of diseases.

The Chitkara University campus served as their host, providing not only a warm welcome but also valuable resources for their project. A dedicated campus tour offered a glimpse into the university's facilities and academic environment, while a specifically arranged visit to a Wastewater Treatment Plant allowed the Murdoch University group to gather in-depth information and visuals directly related to their video project's theme. This visit fostered intercultural exchange and provided the Murdoch University team with firsthand experience to enrich their academic pursuits.







Visit to a Wastewater Treatment Plant, photo captured on 8<sup>th</sup> February'24



Campus Tour, photo captured on 8<sup>th</sup> February'24

Event Name	WORLD WATER DAY 2024 Theme: WATER for PEACE	
Date	18th March, 2024	
Venue	Chitkara university Punjab	
Organizer	Chitkara School of Psychology and Counselling in collaboration with Chitkara College of Education	
Resource Person	Dr. Jyotsna Kaushal	
Number of Participants	44	
SDG Number	4, 13	
Duration	1 Hour	



### About the Activity

Chitkara School of Psychology and Counselling in collaboration with the Centre for Water Sciences, CURIN, Chitkara University, Punjab organized an Expert talk on 18th March 2024 to commemorate World Water Day 2024. The theme for the same was ‘Water for Peace’. It brings attention to the importance of freshwater resources and the need for water conservation. It is a day to raise awareness about the global water crisis and promote sustainable water management practices. By working together to address water-related challenges we can help ensure a better future

for all. The resource person for the Expert talk, Dr Jyotsna Kaushal, Professor, CURIN, Chitkara University, Punjab highlighted that Water when managed sustainably and equitably, can be a source of peace and prosperity. It can promote stability and peacebuilding in communities and contribute to migration management and disaster risk



reduction. But, when water is scarce, polluted, or difficult to access, food security can be undermined, livelihoods lost, and conflict can follow.

She pointed out that in an unstable world where security threats are growing, we must all recognize that ensuring the availability and sustainable management of water and sanitation for all – the aim of Sustainable Development Goal 6 – is essential for global prosperity and peace.

The expert talk was followed by a Q&A session in which the participants asked questions related to ways of preserving the quality and quantity of water available.





Event Name	Integral Role of Mathematics in Engineering Education and Research
Date	18.03.2024 and 22.03.2024
Venue	Chitkara University Punjab
Organizer	CURIN'
Resource Person	Dr. Jyotsna Kaushal
Number of Participants	27
SDGs Covered	SDG4, SDG 6, SDG 17
Duration	2 days



### About the Activity

Centre for Water Sciences (CWS), CURIN, Chitkara University, Punjab on **March 18 & 22, 2024** organized World Water Day 2024 under the theme **Water for Peace** at Chitkara University, Punjab. Based on this year's theme- WATER FOR PEACE. World Water Day is celebrated to bring attention to the importance of freshwater resources and water conservation. It is a day to raise awareness about the global water crisis and promote sustainable water management practices. An expert talk was delivered to the students of the Department of Psychology by Dr Jyotsna Kaushal, Professor, CURIN, Chitkara University Punjab. One day hands-on training on Water testing technique was provided at Centre for Water Sciences to the students of Health sciences. A total no. of 28 students including faculty and research scholars attended the event.

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**WORLD WATER DAY 2024**

Theme: WATER for PEACE

- Expert talk
- Poster Competition
- Workshop on Innovative ways of Water Testing

Resource person  
 Dr. Jyotsna Kaushal  
 Professor, CURIN  
 Chitkara University, Punjab

Date: March 18, 22, 2024  
 Time: 10.00 am onwards  
 Venue: LH 03 (near Architecture block),  
 Centre for Water Sciences lab

Organized by  
 Centre for Water Sciences, CURIN  
 In collaboration with  
 Department of Psychology,  
 Chitkara University, Punjab

INSTITUTION'S INNOVATION COUNCIL  
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*Dr. Jyotsna Kaushal delivering a lecture to the students during the workshop*



*Mr. Ajay Singh, CWS, CURIN discussing with the participants*

Event Details	
Event Name	Expert Talk
Topic	International world Water Day 2024: leveraging water for peace
Date	2024 - 03 - 22 to 2024 - 03 -22
Mode	Offline
Venue	Pierre Hall
Organizer Name	Dr. Payal Sachdeva
Resource Person	Tejdeep Singh
No. of Participants	16
SDG No	SDG 3 AND SDG 13: Climate Action

## Objective

The event will increase awareness among students about the importance of water for peace and sustainable development.

Students will be able to creatively illustrate the role of water as a catalyst for peace focusing on equitable access, efficient management and collaboration in transboundary waters.

World Water Day is celebrated annually on March 22nd and raises awareness about the importance of freshwater resources and the need for sustainable water management practices. By promoting water conservation and improving water quality we can work towards achieving SDG 6 and ensuring a healthier future for all.

## Description

On International World Water Day 2024, the Nirmaan Club of the Department of Civil Engineering, CUIET- AE organized a Poster-making competition for the students on March 22, 2024. The event took place in TB - 308 from 1:30 - 3:00 pm and a total of 16 participants showcased their poster-making skills as per the theme allotted to them i.e. "Leveraging water for Peace". Students had to creatively illustrate the role of water as a catalyst for peace, focusing on equitable access, efficient management, and collaboration in transboundary waters.





## Outcomes

Sixteen participants from the Department of Civil Engineering at CUIET-AE showcased their poster-making skills on the theme "Leveraging Water for Peace."

Participants creatively illustrated the role of water in promoting peace through equitable access, efficient management, and collaboration in transboundary waters.

The competition highlighted the importance of water as a catalyst for peace, focusing on equitable access, efficient management, and collaboration in transboundary waters.



Event Name	Poster Making Competition
Topic	World Water Day
Date	22 <sup>nd</sup> March, 2024
Time	10:00 AM to 11:30 AM
Venue	Community Health Nursing Lab, GB 306, Galileo Block
Organizers	Ms. Eenu (Associate Professor), Department of Nursing, CSHS Ms. Keerat (Nursing Tutor), Department of Nursing, CSHS
No. of Participants	11
SDG No.	SDG 6 (Clean Water and Sanitation)



## Objectives

1. To create awareness about water conservation.
2. To bring out the talent and creativity of students.

Department of Nursing, Chitkara School of Health Sciences, Chitkara University, Punjab organized a Poster Making Competition on the occasion of “**World Water Day**”. The theme of the event was “**Water for Peace**”. The motive of the event was to create awareness about water conservation and bring out the talent and creativity of students. The event covered goal number 6 (Clean Water and Sanitation) of the United Nations Sustainable Developmental Goals. World Water Day is celebrated on March 22<sup>nd</sup> every year to raise awareness about the importance of freshwater resources and the need for sustainable water management. It serves as a reminder of the global water crisis and the importance of taking action to protect this vital resource for future generations. The Poster Making Competition, a showcase of artistic prowess, saw Anshu, a student from B.Sc. Nursing (Basic) 4<sup>th</sup> Semester secured the first position, followed by Jasmeen Bagga and Khushi Shah respectively claiming the second and third positions. Ms. Timsy (Associate Professor) and Ms. Gurpreet Kaur (Assistant Professor) were designated as the judges of the event. A lot of enthusiasm was seen in the students and the event was conducted successfully with wholehearted participation



Group Photograph in Poster-making competition on World Water Day on 22.03.2024



Students of B.Sc. Nursing 4th Semester are participating in Poster Making competition on World Water Day on 22.03.2024

### Outcomes

- Competition was an amazing experience and a great way to develop imagination and sparkle creativity.



Event Name	World Water Day: “H2O Architects, Designing a Drought - Resilient Future.”
Date	25/03/2024
Venue	OAT, Le Corbusier Block, Chitkara University
Organizer	Department of Architecture, CSPA
Resource Person	Prof. Antony Boity
Number of Participants	50 Students and 05 Faculty members
SDGs Covered	4,8,9
Duration	1 Day

**About the Activity** In observance of World Water Day, celebrated globally on March 22nd, the Chitkara School of Planning and Architecture (CSPA) organized a workshop to raise awareness about the importance of water conservation. The resource person for this workshop was Prof. Antony

Kumar Boity, who enlightened the students about the critical need to save water. Following the workshop, the students participated in a poster-making competition, applying their newfound knowledge to create compelling visual messages about water conservation. The competition was held at the Open-Air Theatre (OAT) in the Le Corbusier block, and fifty students showcased their creativity and commitment to

environmental sustainability through their poster designs. The posters encompassed various

themes, including water conservation, the implications of water scarcity, and innovative water management strategies. The faculty members from CSPA, including Dr. Kanika Bansal, Dean of Advanced Studies, judged the competition. They were impressed by the vivid imagery and compelling messages on the posters, which reflected the students’ understanding of the importance of saving water. The top three performers were selected



based on their creativity, originality, and the impact of their posters. This event underscored CSPA's dedication to promoting environmental awareness among its students. By facilitating discussions around water conservation and encouraging creativity, the students were inspired to take an active role in promoting a more sustainable future.



Students during the competition



Faculty with Students during the Event

Event Name	CSR Activity
Topic	Awareness program on World Health Day
Date	8 <sup>th</sup> April, 2024
Venue	Auditorium, Fortis Hospital, Mohali
Organizer	Ms. Priya & Ms. Alisha Department of Nursing, CSHS, Chitkara University, Punjab
No. of Participants	16
No. of impacted individuals	54
Under SDG no.	03
SDG Details	03, 06, 10

### Objectives

- To create awareness around a specific health theme to highlight a priority area of concern for the World Health Organization.
- To promote self-care among people.
- To provide detailed knowledge of getting prevented from various diseases and their complications.

### Description

As per The WHO Council on the Economics of Health for All, at least 140 countries recognize health as a human right in their constitution, yet countries are not passing and putting into practice laws to ensure their populations are entitled to access health services. "This year's theme was chosen to champion the right of everyone, everywhere to have access to quality health services, education, and information, as well as safe drinking water, clean air, good nutrition, quality housing, decent working and environmental conditions, and freedom from discrimination," says WHO. World Health Day was celebrated at Fortis Hospital, Mohali in collaboration with the Department of Nursing, CSHS, Chitkara University, Punjab on 8<sup>th</sup> April 2024. The theme for this year's World Health Day '**My Health, My Right**' highlights that getting access to essential health services should no longer be a privilege but one's right. Students of our department participated in the slogan writing, which focused on raising awareness of quality health services, education, and information, as well as safe drinking water, sanitation, hygiene contamination of water, clean air, good nutrition, quality housing, decent working and environmental conditions, and freedom from discrimination. Students also danced the steps of medical hand washing. Hand hygiene is considered a primary measure for reducing the risk of transmitting infection



among patients, the general population, and healthcare personnel. Overall the program was very helpful and effective for the hospital staff and nursing students.



Students of B.Sc<sup>2nd</sup> semester creating awareness through Slogan Writing at Fortis Hospital, Mohali on 08/04/24.



Students of B.Sc (N) 2nd-semester dancing steps of handwashing technique at Fortis Hospital, Mohali on 08/04/24.



Students of B.Sc (N) 2nd-semester dancing steps of handwashing technique at Fortis Hospital, Mohali on 08/04/24.



Students of B.Sc (N) 2nd-semester dancing steps of handwashing technique at Fortis Hospital, Mohali on 08/04/24.


## Outcome

Such activities are organized to indicate the importance of health. People are encouraged to change their unhealthy lifestyles and choose a healthy lifestyle that includes a healthy diet and exercise. It was a great learning experience for all.

### LIST OF STUDENTS

Sr. No	Roll No	Name	Class	Attendance
1.	2340991003	Alisha	B.Sc. Nursing 2 <sup>nd</sup> semester	
2.	2340991011	Gursimrat kaur	B.Sc. Nursing 2 <sup>nd</sup> semester	
3.	2340991013	Himanshi	B.Sc. Nursing 2 <sup>nd</sup> semester	
4.	2340991018	Kanwalreet kaur	B.Sc. Nursing 2 <sup>nd</sup> semester	
5.	2340991021	Khushboo	B.Sc. Nursing 2 <sup>nd</sup> semester	
6.	2340991023	Kiranpreet kaur	B.Sc. Nursing 2 <sup>nd</sup> semester	
7.	2340991024	Lovneet kaur	B.Sc. Nursing 2 <sup>nd</sup> semester	
8.	2340991029	Mehak Sood	B.Sc. Nursing 2 <sup>nd</sup> semester	
9.	2340991031	Nancy	B.Sc. Nursing 2 <sup>nd</sup> semester	
10.	2340991037	Parneet	B.Sc. Nursing 2 <sup>nd</sup> semester	
11.	2340991038	Parul	B.Sc. Nursing 2 <sup>nd</sup> semester	
12.	2340991046	Riya	B.Sc. Nursing 2 <sup>nd</sup> semester	
13.	2340991055	Tsering kalsang	B.Sc. Nursing 2 <sup>nd</sup> semester	
14.	2340991057	Vaani	B.Sc. Nursing 2 <sup>nd</sup> semester	
15.	2340991060	Manjot kaur	B.Sc. Nursing 2 <sup>nd</sup> semester	
16.	2340991062	Teesta Tanwar	B.Sc. Nursing 2 <sup>nd</sup> semester	





Event Name	Corporate Social Responsibility
Date	10th April 2024
Venue	 Government Primary School, Jhansla Government Senior Secondary School, Jhansla Government Primary School, Jansua
Organizer	Centre for Global Education, Chitkara University, Punjab
Resource Person	NA
Number of Participants	72
SDGs Covered	SDG-3(Ensure healthy lives and promote well-being for all at all ages) SDG-4 (Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all) SDG-6 (Ensure availability and sustainable management of water and sanitation for all) SDG-10 (Reduce inequality within and among countries) SDG-15 (Protect, restore, and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss) SDG -17
Duration	09:00 am-01:00 pm

### About the Activity

The CSR activity was conducted on 10th April 2024 in the government schools of Jhansla and Jansua, Punjab. Students of CGE interacted with the students and appraised them on the importance of a clean and green environment, sanitation, water conservation, and the harmful effects of water contamination. They exhibited role plays on handwash and other hygiene activities. A drawing competition was organized and they also distributed hygiene kits to the students of the school. Tree plantation activity was also done in these schools by our students.





Event Name	Exhibition: Chitkara Mandi		
Date	 CHITKARA UNIVERSITY	10-11 <sup>th</sup> May, 2024	 CLEAN WATER AND SANITATION
Venue	VR Punjab, Mohali		
Organizer	Dr. Rashmi Aggarwal		
Resource Person	Mr. Siddaq Singh		
Number of Participants	80		
SDGs Covered	1 to 17		
Duration	2 days		

### About the Activity

The "Chitkaramandi" summer Carnival 2024 was a well-run, interesting workshop with a social cause. Throughout the workshop, the students engaged in a variety of activities that demanded their complete focus and participation and produced a variety of learning outcomes. The students procured most of the material from villagers directly thus providing them with business opportunities. With the aid of various exercises, students defined all of the sustainable goals during the workshop. Students engaged in a variety of interesting activities, such as flash mob dances, bhangra, and *nukkadnatak*, to draw attention to the event in the PVR mall, Mohali. Overall, it was a thorough learning experience with lessons in collaboration and creativity.





## Water awareness to surrounding villages

More than 40 villagers of Jansua village were invited to STI HUB center at Chitkara University campus on August,2022. Dr Jyotsna Kaushal of CWS demonstrated the scenario of water situation of past, present and future of Punjab. She indicated the importance of water testing for the quality water and saving the water for the future generation. Her team members- Mr Ajay, Jaswinder Singh-gave demonstration on water testing.



An awareness visit on water testing was conducted in Village Nepra. People of middle age & old age group (ladies) from the village were gathered near Gurudwara, Village Nepra on July 2022 Our team, Centre for Water Sciences, Chitkara University, Punjab, explained the testing parameters.



A water awareness on water testing was conducted in Village Alampur. Initially, they were informed about the quality parameters for water testing, and then some water tests were done from their houses, ponds, etc. with specific parameters. Mr. Shubam Sudan explained the testing parameters and Mr. Ajay Khajuria demonstrated the water testing. They were also informed to get their water testing done in our lab, Centre for Water Sciences, Chitkara University, Punjab.



The awareness talk was organized with the consent of the sarpanch of Thuha village. The participants(45) were from all categories- children, young girls, boys, and old persons. The event was on awareness of water scarcity in Punjab in the coming years and different methods for water testing.





Around 60 Ladies of 40-60 age group from Jhansla village along with 25+ students gathered in Chitkara University, Punjab. A water testing awareness was given on Nov.2021.







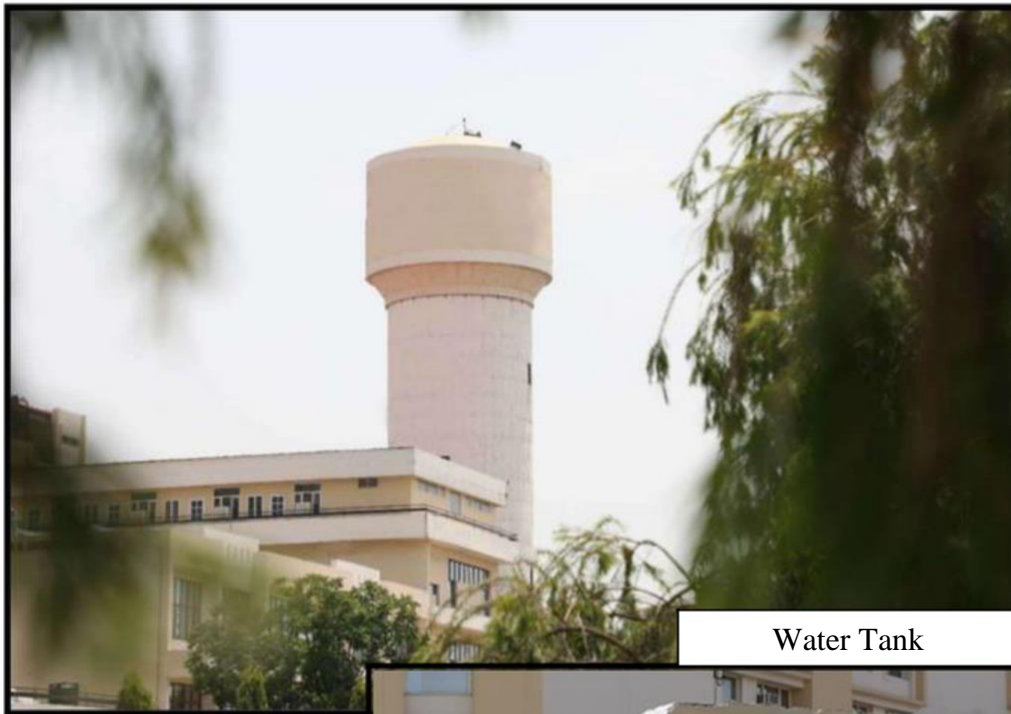
# RESPONSIBLE WATER CONSUMPTION – A REPORT (2023-24)



PUNJAB CAMPUS  
2023 - 24

## Introduction -

At Chitkara University, Punjab, efforts are made to ensure that water is consumed responsibly and with prudence. The water is stored in the overhead water tank as well as underground water tanks. The supply to the various buildings are well planned and automated motors help in reducing wastage due to overflow. Meters placed consciously at various venues, help monitor the consumption pattern and take necessary corrective actions.



Water Tank



Underground Water Tank

Various steps are adopted by the University to facilitate responsible consumption of water. These can be further divided into three ways –

- A. Water conscious operations,
- B. Awareness on conscious usage of water
- C. Water conscious plantation

## **A) WATER CONSCIOUS OPERATIONS**

### **a) RECYCLING WATER – TREATMENT PLANTS**

The university has two Sewage Treatment plants based on the MBBR technology to treat the wastewater. The Treatment Plant is based on FAB Technology with following treatment scheme.



Sewage Collection Tank

- Stage 1: Primary Treatment Bar Screen Chamber, Sewage Collection tank, Oil & Grease Trap
- Stage 2: Secondary or biological treatment FAB Reactor, Coagulation tank, Clarifier
- Stage 3: Tertiary treatment Chlorine Contact tank, Pressure Sand Filter, Activated Carbon Filter, Hypo Dosing System, Treated Water Tank
- Stage 4: Sludge Treatment Sludge Drying Bed



Sewage Treatment Plant (STP)



### b) DOUBLEPLUMBING –

The treated water is used for horticulture as well as for double plumbing in various buildings. This helps reduce the usage of freshwater and this treated water further gets treated in the STPs as it is used.



### c) RAINWATER HARVESTING



Sustainable Water Management



Rainwater recharging  
through open pavers

Chitkara University, Punjab takes Rainwater conservation as its basic Social Responsibility. While the university has 12 RWH pits, open grass pavers are also installed in the university to enable the rainwater to seep through the soil. Chitkara University separate Recharging pits for the Separate Roof top catchment areas of the building (Hostels, auditorium, Academic blocks) to recharge more run off. As of now, 25 more recharging pits are proposed.

d) **OTHER WATER EFFICIENT PLUMBING FIXTURES –**

Other methods adopted to reduce wastage of water are usage of aerators for all taps, low flow showers in washrooms, automated motors for filling of water tanks, censor-based taps for some washrooms, etc.

**B. AWARENESS ON CONSCIOUS WATER CONSUMPTION**

Students and staff are made aware of the need to consume water and not waste water. While there are strict regulations to not use water for washing of vehicles and for prudent usage of water for cleaning of venues, utmost importance is given to concerns of water leakages. Further, posters to draw attention of users are displayed at strategic locations like rear of washroom doors, at drinking water stations to remind users to not waste water, to raise alarms in case of water leakages and switch off taps when not in use.





Water Awareness

**C. WATER CONSCIOUS PLANTATION**

Greenery is always pleasing to the eye and contributes to the mental, physical and emotional well-being of people. It contributes positively towards air purification, urban heat reduction, biodiversity preservation and to some extent towards energy saving as it helps keep venues cooler. But plantation needs water and water is a scarce resource. Hence it is initiate water conscious plantation where greenery is maintained, with conscious and prudent usage of water.

**Techniques Adopted on Campus** - Some of the water conscious plantation techniques adopted at Chitkara University, Punjab are mentioned below –

- Usage of Treated Water
- Usage of Water Sprinklers
- Usage of Drip Irrigation
- Planting Drought Tolerant Plants
- Karnal Technology

**a) USAGE OF TREATED WATER**



Treated Water

More than 80% of the water used on campus is treated in the various STPs of the campus. Water used for horticulture is mostly treated water, thus reducing the usage of



freshwater for plantation.

### a) **USAGE OF WATER SPRINKLERS**

Water sprinklers play a crucial role in maintaining the lush, green landscapes across Chitkara University.

Strategically installed throughout the campus, these sprinklers ensure that lawns, gardens, and recreational areas receive consistent and adequate hydration. This automated irrigation system is designed to distribute water evenly, reducing the need for manual watering and ensuring that all areas of the campus remain vibrant and healthy.



Number of sprinklers on campus, increased from **18** last year to **20**.



### b) **DRIP IRRIGATION**



Drip irrigation is a process where instead of irrigating the entire plant from above, pipes are used to drip water slowly onto the roots of the plants. This conserves

between 20-50% of the water while reducing other negatives like runoff, surface vaporation and the potential for overwatering. For most vertical gardens of the campus, drip irrigation is used.

### c) DROUGHT TOLERANT PLANTS



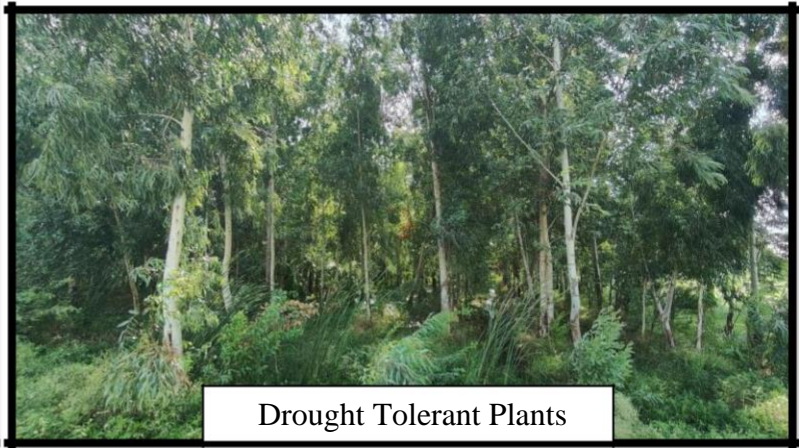
Drought tolerant plants and trees species constitutes around **21.90%** of total tree species. Types of plants, shrubs and trees in the campus have increased to 102.



a) **KARNAL TECHNOLOGY**

With the Karnal Technology, trees are planted on ridges that are one meter broad and fifty centimeters high, and treated wastewater is disposed of in furrows. The

age, kind of plants, soil texture, climate, and effluent quality all affect how much waste needs to be disposed of. The whole effluent flow is controlled



Drought Tolerant Plants

such that no standing water remains in the trenches after 12 to 18 hours of consumption. This method allows for the daily disposal of 0.3 to 1.0ML of wastewater per acre.



Canal Technology