



### 6.5.2 Promoting Conscious Water Usage

Promoting conscious water usage in KITS is not only an environmentally responsible act but also helps in reducing operational costs. The strategies adopted to promote conscious water usage in KITS are:

- Educational activities (Conferences/ Workshops/Seminars/Consultation): International Conference on ‘Integrated Water Resources Management: Prospects and Challenges’, water summit,
- Awareness creation (Conservation of water bodies by NSS, World Water Day Celebration, commemoration of the International Day of Action for Rivers, webinar on Enhanced Water Productivity in Irrigation Systems, World Environment Day Celebration)
- Infrastructure improvements like water efficient appliances and water harvesting structures.
- Collaboration and Partnerships
- Water Audits

#### 1. Educational Activities (Conferences/ Workshops/Seminars/Consultation)

##### 1.1 International Conference on ‘Integrated Water Resources Management: Prospects and Challenges’



KITS organized an International Conference on “Integrated Water Resources Management: Prospects and Challenges” on 8<sup>th</sup> & 9<sup>th</sup> December 2022 sponsored by the Ministry of Jal Sakthi, Govt. of India. The conference deliberated upon the themes of hydrology, geospatial



techniques, application of IoT and AI in water resources management, agriculture, water quality, water treatment technologies, wetland ecology, decision support system, water conservation and groundwater recharge, the impact of climate change on water resources, water economics, governance, policies and capacity building. A total of 4 keynote lectures and 6 theme papers were presented. Around 120 papers were presented in 12 technical sessions.

## 1.2 Water Summit

KITS organized Water Summit India 2022 on 18<sup>th</sup> September 2022. Twenty renowned experts from across the country and USA representing diverse academic and research organizations, industry, Government and NGO outfits shared their expertise and 100 participants attended Water Summit and prepared the Water Vision document for Coimbatore. The Vision Document was prepared considering the following issues in the sector:

- Overexploitation of freshwater sources, especially groundwater
- Quality deterioration of ground and surface water
- Impact of climate variation and change and subsequent trends in hydrologic extremes, sea-level-rise and snow-melt
- Degradation of ecosystem
- Limitations associated with water governance and stakeholder participation.



## 2. Awareness Creation:

KITS regularly organises awareness creating webinars, club and outreach activities on importance of water conservation among students, faculty, and staff. Use posters, flyers, and digital communication channels to share information about the university's water usage and the need for conservation.

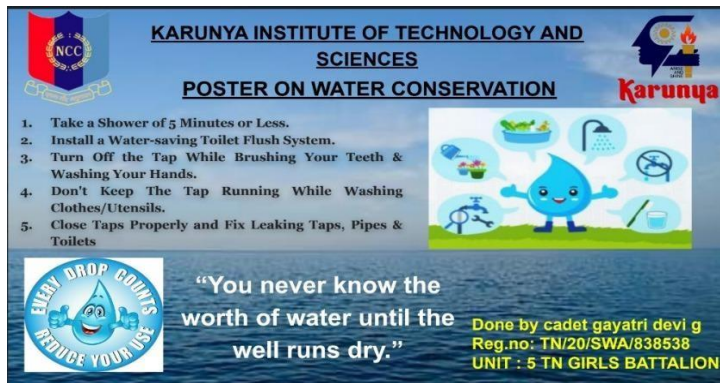
### 2.1 Conservation of Water Bodies

Water bodies play a crucial role in sustaining life and ecosystems. To raise awareness about the importance of conserving these invaluable natural resources, 135 NCC Cadets of Karunya Institute



of Technology and Sciences organized an online event on January 02, 2022. This event aimed to educate, engage, and inspire individuals to take active steps towards the preservation of water bodies. One of the standout features of this event was the creation and presentation of vlogs and poem recitation by NCC cadets, providing unique insights into water conservation.

## 2.2 World Water Day Celebration



World Water Day, a significant global event, was observed to promote awareness of the critical importance of freshwater and advocate for the sustainable management of this invaluable resource. On July 25th, 2021, a distinctive online celebration of World Water Day was hosted by 138 NCC Cadets from the Karunya Institute of

Technology and Sciences. In response to the ongoing COVID-19 pandemic, the event was conducted virtually, allowing cadets to express their creativity through the presentation of engaging posters and insightful vlogs.

The Tech Unit of Rotaract Club organized an awareness program in commemoration of the **International Day of Action for Rivers** on March 22, 2022, with active participation from 200 students. Additionally, the SSAMM unit of the Rotaract Club conducted a competition on July 12, 2021, in celebration of World Paper Bag Day, featuring the enthusiastic participation of 51 students.



**DEPARTMENT OF CIVIL ENGINEERING**

ORGANIZES A WEBINAR ON  
**WATER PRODUCTIVITY INDEX - IRRIGATION SYSTEM**

03/06/2021 09:30 AM (IST)

**DR. T. J. DEEPAK**  
 Mangal International University  
 No 1, MIU Boulevard, Putra Nilai,  
 71800, Negeri Sembilan, Malaysia

**Contact persons:**  
 Dr. J. Brema, Professor, Civil Engineering  
 Dr. Sneha Gautam, Asst. Professor, Civil Engineering

Registration Link: <https://forms.gle/5JE3nuKQb6ZIXgHo8>

**A Webinar** Emphasizing Enhanced Water Productivity in Irrigation Systems for the Advancement of Water Conservation in Agriculture. The event drew 78 participants from KITS and various other esteemed institutions.



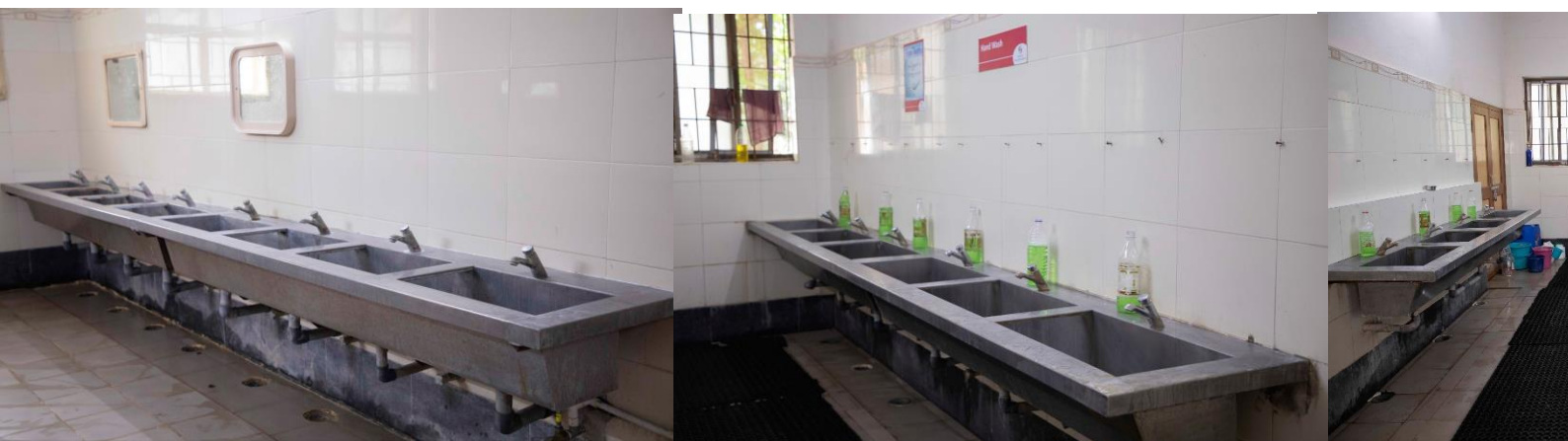
**Commemorating World Environment Day**, a webinar titled 'Advancing Collective Solutions for Effective Environmental Governance' centered around the theme of 'Generation Restoration,' particularly focusing on the revitalization of water bodies. The session drew active participation from 112 attendees, comprising members from KITS and various other institutions



**3. Infrastructure Improvements like water efficient appliances (*Push tap in wash basin, Hand shower, Push tap in water purifier, Flush tap*) and water harvesting structures:**

- KITS initiated a program to promote water efficiency by installing self-closing taps in various places on campus.. These taps are designed to minimize water wastage by automatically shutting off after use. The total number of self-closing taps installed at KITS is 3,376. To assess the effectiveness of this initiative, we calculate the percentage of water-efficient appliances installed compared to the total potential. KITS has completed 56% of installation of these water-efficient appliances. This depicts a commitment to water conservation and sustainability.
- Total number of taps = 6026 No.
- The total number of self-closing taps (Push tap in wash basin, Hand shower, Push tap in water purifier, Flush valve ) = 3376

**Percentage of usage of Water Efficient Appliances: 56%**



*Water Efficiency Appliances (Push tap in wash basin, Hand shower, Push tap in water purifier, Flush tap) in Student Residences /Hostel and Campus*

| Sl.No        | Description of item  | Location       | Qty            |
|--------------|--|----------------|----------------|
| 1            | Self-closing Taps (Taps ( <i>Push tap in wash basin, Hand shower, Push tap in water purifier, Flush valve</i> )) | Hostel Campus  | 2676 Nos       |
| 2            | Manual Operated Taps   | Hostel Campus  | 2150 No        |
| 3            | Self-closing Tap (Taps ( <i>Push tap in wash basin, Hand shower, Push tap in water purifier, Flush valve</i> ))  | College Campus | 700 Nos        |
| 4            | Manual Operated Taps   | College Campus | 500 Nos        |
| <b>Total</b> |  |                | <b>6026 No</b> |