



University : National Chin-Yi University of Technology  
Country : Taiwan  
Web Address : www.ncut.edu.tw

## [SDGs 6] Clean Water and Sanitation 淨水與衛生

### [6.5.1] Does your university as a body provide educational opportunities for local communities to learn about good water management?

Yes, NCUT, as a body, provides educational opportunities for local communities to learn about good water management, and this is integrated into its USR (University Social Responsibility) programs, extension education, and sustainability outreach initiatives.

#### NCUT's Community Education on Water Management

##### 1. USR Projects on Sustainable Water Use

- Through the Ministry of Education's USR program, NCUT has launched projects that link academic expertise with community needs.
- Example: Xinshe Mushroom Industry Innovation Project included guidance on water resource efficiency (solving irrigation challenges, recycling agricultural materials, and adapting to climate change). This project helped local farmers improve water and resource use
- Community partners receive technical training, workshops, and on-site demonstrations led by faculty and students.

##### 2. Lifelong Learning and Senior University

- NCUT operates a Senior Citizens University and collaborates with Evergreen Academies across central Taiwan, where annual programs (with ~1,200 participants) include lectures and courses on sustainable living and water conservation
- These programs build awareness among older adults and local residents about household water-saving practices, wastewater recycling, and rainwater use.

##### 3. Civic Awareness through Innovative Education

NCUT promotes water environment education through integrated virtual and real-world models. Using tools such as VR simulations, interactive games, picture books, and audiobooks, the program teaches water resource management, disaster prevention, and flood response in engaging ways. This approach empowers citizens with the knowledge and skills necessary to address water-related challenges and climate resilience.

##### 4. Water Literacy Research



NCUT conducted a study on water literacy awareness in response to climate change and drought. Findings revealed strong water-saving habits among the public, but highlighted challenges such as reliance on bottled water and limited adoption of water-efficient technologies. Recommendations emphasized the need to strengthen crisis awareness and civic responsibility to encourage broader water conservation actions.

## 5. Campus Tours and Public Engagement

- NCUT's Mingxiu Lake serves as an educational ecological site, where schools and community groups are invited to learn about water storage, stormwater regulation, and reclaimed water use.
- Campus environmental awareness campaigns extend participation to the community, encouraging behavioral change around water-saving and pollution prevention

## 6. Student-Led Outreach

- Student clubs and associations often organize workshops in local elementary and junior high schools, teaching children about SDGs, recycling, and water-saving behaviors
- These initiatives combine fun activities with practical demonstrations (e.g., DIY water filters, rainwater collection models).

### Contribution to SDGs

- **SDG 4 – Quality Education:** Extends sustainability and water management education to local communities.
- **SDG 6 – Clean Water and Sanitation:** Builds community awareness and skills for responsible water use.
- **SDG 11 – Sustainable Cities and Communities:** Strengthens partnerships between NCUT and local society for resource resilience.
- **SDG 17 – Partnerships for the Goals:** Promotes university-community collaboration in addressing water challenges.

These comprehensive water management programs at NCUT exemplify the university's holistic approach to education, community engagement, and sustainability.

# 校園省水方法大公開

**室內**

**金級省水小便器**



**省水水龍頭**



**蹲式馬桶省水裝置**



**用水監控系統**



**省水好習慣  
輕鬆不留旱**




**室外**

**草皮漫流水回收利用**

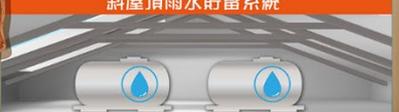
中水僅供澆灌



**雨水回收儲桶**



**斜屋頂雨水貯留系統**



**用水設備改善**

1. 裝置省水器材設備：更新省水水龍頭、兩段式馬桶沖水器、金級省水小便器
2. 裝置雨水貯留設備：雨水回收再利用，可用於景觀用水及植栽澆灌
3. 用水監測設備與管理：汰換耗水設備，用水監控管理系統
4. 水資源回收再利用：雨水、空調冷凝水、滲流水等，用於澆灌、沖廁





Pinglin Ecological Park