



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?

Empowering Local Communities with Water Management Education

National Chin-Yi University of Technology (NCUT) is dedicated to empowering local communities by offering educational programs focused on water management and environmental protection. Our "Seniors University" program provides a range of courses tailored specifically for senior citizens, covering topics such as:

- Environmental protection
- Ecological navigation
- Energy conservation and carbon reduction

These courses aim to raise awareness about water resources, with particular attention given to the ecological pool at Pinglin Park. By integrating real-world examples and hands-on learning, this initiative promotes both education and environmental stewardship within the community, fostering a deeper understanding of sustainable water management practices.

The detail summary of the various initiatives related to **water management, community engagement, and education at NCUT:**

1. Empowering Local Communities with Water Management Education

NCUT actively engages local communities, including senior citizens, in water management and environmental education through its "Senior University" program. This initiative focuses on topics like water resource management and environmental conservation, specifically around the ecological pool at Pinglin Park.

- **Senior University Courses:** Tailored courses for senior citizens focus on environmental protection, traffic safety, and water resource management, ensuring lifelong learning opportunities.
- **Water Resources Focus:** The curriculum includes practical learning, with a focus on water management at Pinglin Park's ecological pool, connecting theoretical knowledge to real-world applications.



- **Empowerment through Education:** By equipping senior citizens with water management knowledge, NCUT fosters an informed, engaged community capable of contributing to sustainable practices.

2. NCUT's Commitment to Sustainable Water Management Education

NCUT's commitment to sustainability extends beyond the campus, involving the faculty in water management research and community education.

- **Faculty-Led Projects:** Departments of Landscape and Leisure Industry Management lead research on sustainable water management, emphasizing eco-friendly practices.
- **Community Engagement:** Research outcomes are shared with local communities through workshops and seminars, promoting water conservation, pollution reduction, and water quality improvement.
- **Hands-On Learning:** These interactive sessions provide practical knowledge and solutions, encouraging grassroots-level change in water management practices.

3. Study on Water Literacy Awareness

NCUT conducted a study to evaluate public awareness, attitudes, and behaviors regarding water literacy in light of climate change and drought challenges.

- **High Water Literacy:** The study revealed that people have developed strong water-saving habits, though many still rely on bottled water for convenience.
- **Challenges:** Despite awareness of water crises, people show less willingness to buy water-efficient products or engage in stream-cleaning activities.
- **Recommendations:** Improving water responsibility and crisis awareness can enhance civic actions like water conservation, environmental management, and consumer choices.

4. Empowering Civic Awareness through Water Environment Education

NCUT promotes civic awareness on water-related issues through an innovative educational model that integrates both virtual and real-world learning.

- **Virtual and Real Integration:** The program uses online tools, virtual reality experiences, and interactive games to teach water resource management and disaster prevention.
- **Engaging Learning Tools:** Resources include picture books, audiobooks, and multiplayer flood response games to make learning accessible and engaging.
- **Civic Empowerment:** By blending academic research with practical activities, the initiative aims to equip citizens with the knowledge and skills needed to address water environment challenges and promote sustainable behaviors.

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 | 室外

經濟部水利署

省水好習慣 輕鬆不留旱

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、滲漏水等，用於澆灌、沖廁

金級省水小便器 | **省水水龍頭**

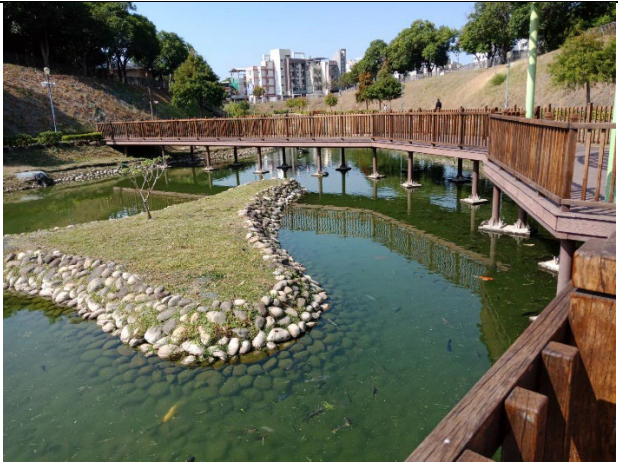
草皮漫流回收利用 | **雨水回收儲桶**

中水僅供澆灌

斜屋頂雨水貯留系統

蹲式馬桶省水裝置 | **用水監控系統**





Pinglin Ecological Park