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

[SDGs 17] Partnership for the Goals

[17.3.15] Please indicate if your university publishes progress against SDG15

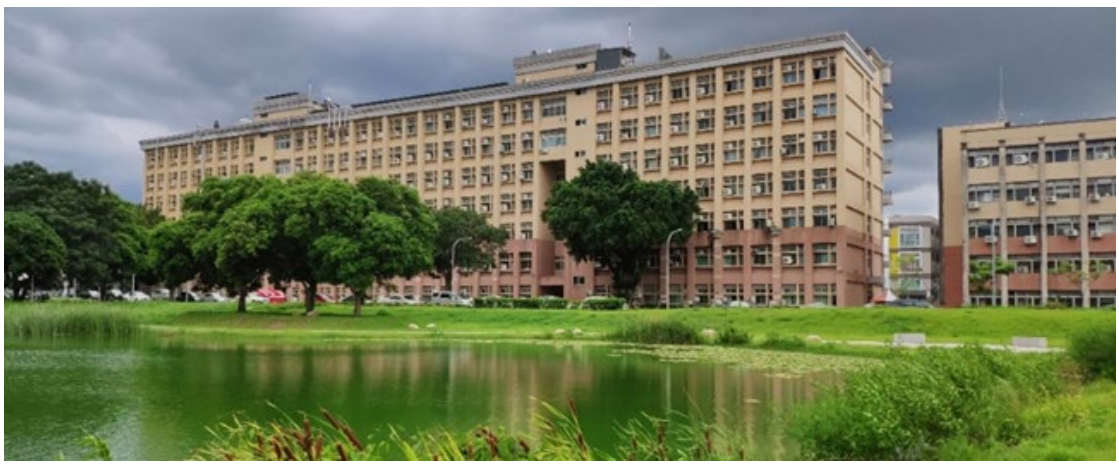
National Chin-Yi University of Technology (NCUT) is actively contributing to **Sustainable Development Goal (SDG) 15**, which focuses on **sustainably managing ecosystems, protecting biodiversity, and promoting the responsible use of terrestrial resources**. NCUT integrates environmental stewardship into its operational and academic practices, ensuring a positive impact on the natural environment both on and off campus.

NCUT's commitment to **protecting life on land** underscores its role as a responsible institution that integrates **sustainable practices** into its operations and educational initiatives. By fostering a green, eco-friendly campus, NCUT contributes meaningfully to biodiversity conservation and the preservation of ecosystems for future generations.

The Campus Ecological Environment of NCUT

I. Ecological Diversity of Campus:

Ming Hsiu Lake, located within NCUT, serves as a comprehensive ecological flood-retaining pool. The lake boasts a diverse array of aquatic plants, including water lilies, Taiwan Nuphar pumilum, Typha angustifolia, and cattails. Moreover, Ming Hsiu Lake hosts a wide variety of fish, turtles, teals (Tachybaptus ruficollis), white egrets, and other wildlife species. Surrounding the lake's footpaths, a plethora of flowers and plants, such as magnolia paniculata, Tulbaghia violacea, and Excoecaria sebifera, thrive, further enhancing the area's ecological richness. See the below Figure for a visual representation.

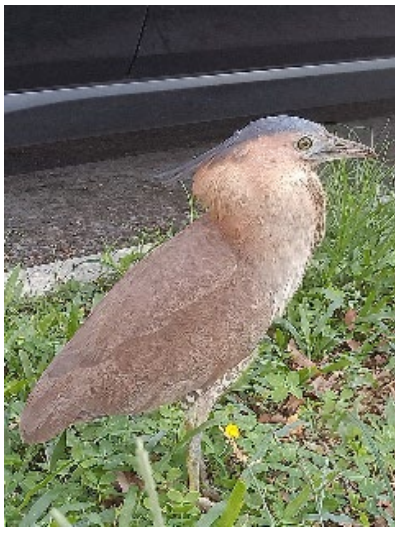


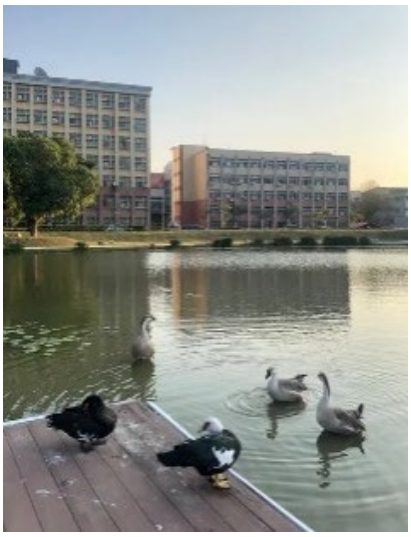
Ming Hsiu Lake

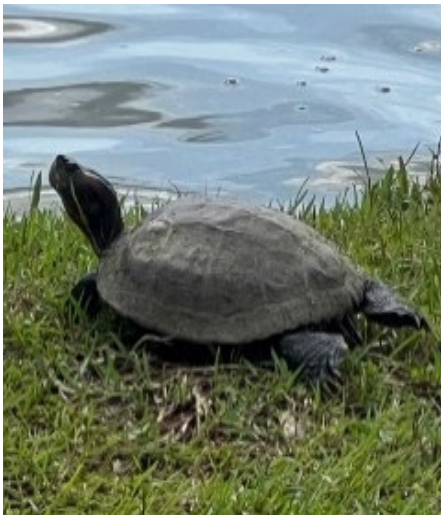
II. 1/3 of New Campus as a Conservation Area (Birds, Snakes, Dogs, and Bees)

A conservation area spanning 6 hectares has been established on NCUT's campus. This area features a diverse range of trees, flowers, and plants, providing habitat for various types of animals, including mammals like squirrels and bats, as well as birds such as white wagtails, Gorsachius melanolophus, and Dicrurus paradiseus.

Additionally, an ecological pool covering an area of approximately 5,000 square meters has been constructed within the university. The pool is home to numerous aquatic plants and flowers, both within and around its perimeter, attracting butterflies and dragonflies. Furthermore, the lake hosts turtles, teals (Tachybaptus ruficollis), white egrets, and other wildlife species, further contributing to the area's rich ecological diversity.



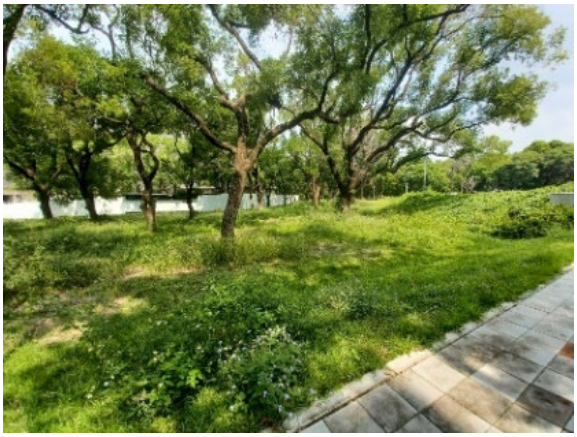




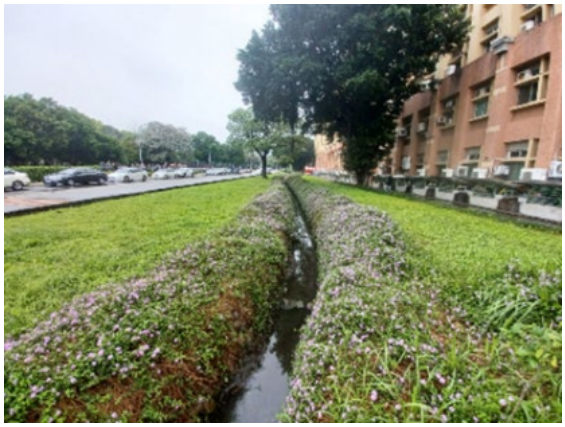
Plant Diversity on Campus

I. Drought-resistant Plants:

NCUT boasts a vast array of over 1,800 plants, including drought-resistant species such as camphor trees, mahogany, banyans, runner peanuts, and Lantana camaras. Additionally, the campus features a multitude of other plants like bougainvillea, sakura, and Chionanthus retusus. As a result, the campus is adorned with a diverse and vibrant collection of flora, enhancing its natural beauty and ecological richness. See the below Figure for a visual representation.



Camphor Tree on New Campus

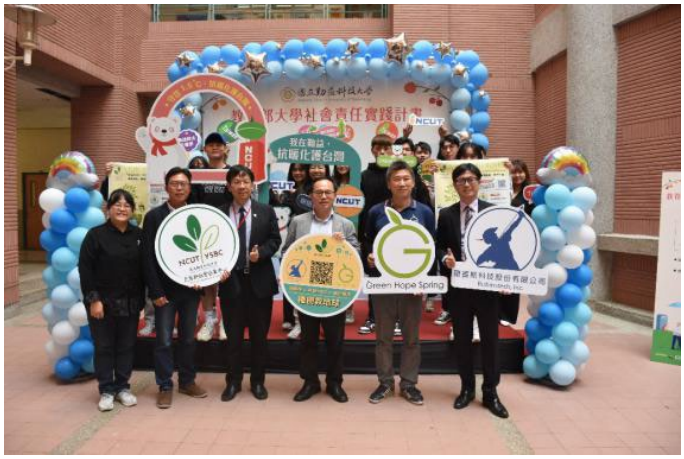


Antana Camara at Two Sides of Flood Dredging Ditches

Drought-resistant plants on campus

II. Your Compulsory Insurance Can Plant Trees:

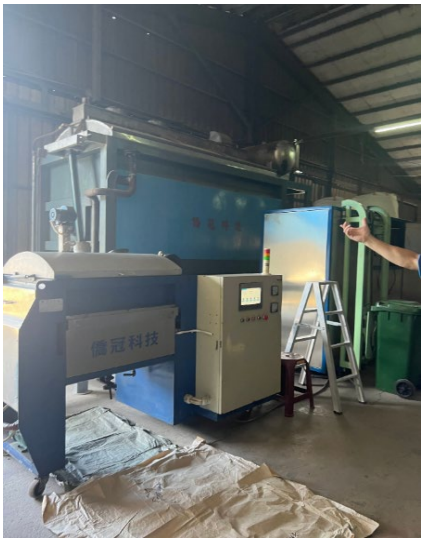
In 2021, Professor Teng from the Department of Business Administration collaborated with Robinstech, Inc. and Green Hope Spring to launch an initiative aimed at encouraging teachers and students to participate. The activity involved planting a native tree sapling for each compulsory motor vehicle insurance policy purchased. This initiative served to contribute to the sustainable environment of the earth, promoting green practices and environmental stewardship among the university community.



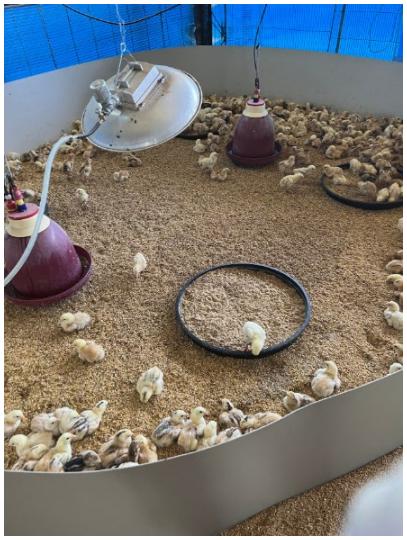
A. Sustainable Industrial Poultry Environment

1. **Assisting Chicken-raising Associations in Taichung and Changhua:** NCUT supports local chicken-raising associations in Taichung and Changhua to promote sustainable practices in chicken manure treatment and recycling. Through a drying process, the volume of chicken manure is reduced, making it more convenient for transportation and disposal. This sustainable approach combines biological degradation and decomposition through a bacterial culture system, generating effective organic fertilizers from the chicken manure. This initiative not only promotes green agriculture but also contributes to sustainable environmental improvement.

NCUT's commitment to preserving and enhancing the land ecosystem is evident through its diverse ecological initiatives and sustainable practices, ensuring the preservation of biodiversity and the prevention of land degradation.



Drying Equipment



Dajia Chicken Farm