



國立勤益科技大學
NCUT
NATIONAL CHIN-YI UNIVERSITY OF TECHNOLOGY

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

NCUT actively contributes to SDG 15: Life on Land by protecting biodiversity, conserving ecosystems, and promoting sustainable land use. Through campus ecological preservation, green initiatives, and industry collaboration, NCUT integrates environmental stewardship into both daily operations and academic activities.

1. Campus Ecological Environment

Mingxiu Lake as an Ecological Pool

- Functions as a flood-retaining ecological reservoir.
- Home to diverse aquatic species such as water lilies, Taiwan Nuphar pumilum, Typha angustifolia, cattails, fish, turtles, teals (*Tachybaptus ruficollis*), and white egrets.
- Surrounded by footpaths with varied plant life, including magnolia, *Tulbaghia violacea*, and *Excoecaria sebifera*.
- Serves as a teaching and research site for ecological studies.

Conservation Area – One-Third of the New Campus

- 10-hectare conservation zone dedicated to biodiversity.
- Habitat for squirrels, bats, snakes, dogs, and bees.
- Bird species include white wagtails, *Gorsachius melanolophus*, and *Dicrurus paradiseus*.
- Includes a 5,000 m² ecological pool, attracting butterflies, dragonflies, turtles, teals, and egrets.

2. Plant Diversity on Campus

- Over 1,800 plant species, including drought-resistant camphor trees, mahogany, banyans, runner peanuts, and lantana camaras.
- Other notable flora: bougainvillea, sakura, and *Chionanthus retusus*.
- Landscaping incorporates xeriscaping and sustainable plant choices, reducing irrigation demand.

3. Green Initiatives and Tree Planting



“Your Compulsory Insurance Can Plant Trees” Program

- Initiated in 2021 by Professor Teng (Dept. of Business Administration) with Robinstech, Inc. and Green Hope Spring.
- For each compulsory motor vehicle insurance policy purchased, a native tree sapling is planted.
- Engages students and staff, fostering environmental awareness and participation.

4. Sustainable Agriculture and Industry Collaboration

Poultry Waste Recycling Project

- NCUT partners with chicken-raising associations in Taichung and Changhua.
- Focus: sustainable manure management.
- Process: drying + bacterial culture decomposition → reduces waste volume and produces organic fertilizers.
- Benefits:
 - Improves environmental quality.
 - Supports green agriculture.
 - Reduces transportation and disposal costs.

5. Key Achievements

- Established protected natural habitats on campus.
- Preserved aquatic and terrestrial biodiversity in Mingxiu Lake and conservation zones.
- Promoted tree planting initiatives, linking insurance participation with reforestation.
- Pioneered sustainable livestock waste treatment to support regional agriculture.

NCUT integrates ecological conservation, sustainable agriculture, and biodiversity education to advance SDG 15. With initiatives ranging from campus ecological preservation to industry partnerships, NCUT ensures that biodiversity is protected, ecosystems are sustained, and communities are engaged in protecting life on land.



Ming Hsiu Lake



Camphor Tree on New Campus



Antana Camara at Two Sides of Flood Dredging Ditches



Drought-resistant plants on campus



Drying Equipment



Dajia Chicken Farm