



國立勤益科技大學  
NCUT  
National Chin-Yi University of Technology

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### **[SDGs 17] Partnership for the Goals**

**[17.4.1] Does your university as a body have a commitment to meaningful education around the SDGs across the university, that is relevant and applicable to all students?**

NCUT has evolved into a high-quality industrial university of technology that places a strong emphasis on practicality and innovation. The university is dedicated to the development of talent with a well-rounded skill set that includes professional competence, humanistic literacy, a sense of social responsibility, and a global perspective.

In pursuit of a sustainable and environmentally conscious educational environment, NCUT aims to create a campus that is characterized by its commitment to being sustainable, safe, friendly, healthy, and environmentally responsible. The university places a premium on creating a campus atmosphere that is peaceful, energy-efficient, refreshing, and nurturing, fostering a fundamental culture of sustainable development.

Furthermore, NCUT actively engages with central policies, local communities, industries, and governmental authorities to fulfill its University Social Responsibility (USR). The university recognizes its role as an integral part of the broader society and seeks to contribute to the well-being of the community and the advancement of regional and national policies. In doing so, NCUT aligns its efforts with the pursuit of innovation, sustainability, and social responsibility.

## **NCUT's Commitment to Sustainable Development and Education Excellence**

NCUT takes "a pragmatic and innovation-oriented high-quality industrial science and technology university" as its development direction. Through strategic program promotion and financial support, it cultivates high-quality students with "professional knowledge, humanistic qualities, social care, and international perspective" who excel both morally and academically.

### **Green University Initiative**

As early as 2009, NCUT actively participated in the "Green University Model School Selection Plan" of the Ministry of Education. Among the 37 participating schools, NCUT was selected as one of the 13 Green University Model Schools, being the only national university of technology to achieve this distinction. On June 4, NCUT joined 12 other model schools in signing the Teller Declaration with the Ministry of Education.

### **Campus Planning and Sustainable Development**



The campus planning at NCUT aims to establish a green learning environment characterized by sustainability, safety, friendliness, health, environmental consciousness, harmony, energy efficiency, freshness, and love. This initiative deeply integrates the campus culture of sustainable development into daily operations. The key aspects of this initiative include:

### **1. Sustainable Learning Environment:**

**Energy Efficiency:** Implementing measures to reduce energy consumption and promote the use of renewable energy sources.

**Environmental Friendliness:** Ensuring that campus operations have minimal negative impact on the environment through waste reduction, recycling, and green building practices.

### **2. Safe and Healthy Campus:**

**Safety Measures:** Creating a secure environment for students, staff, and visitors.

**Health Initiatives:** Promoting a healthy lifestyle through various campus activities and facilities that support physical and mental well-being.

### **3. Friendly and Harmonious Atmosphere:**

**Inclusive Culture:** Fostering a welcoming and inclusive atmosphere for all members of the campus community.

**Community Engagement:** Encouraging collaboration and positive interactions among students, faculty, and staff.

### **4. Humanistic and Caring Culture:**

**Social Responsibility:** Instilling a sense of social care and responsibility in students.

**Support Systems:** Providing support for economically and culturally disadvantaged students, ensuring equal learning opportunities for diverse ethnic groups.

## **Educational Philosophy and Sustainable Development Goals**

Since its establishment, NCUT has adhered to the educational philosophy of "education has nothing but role models" and "taken from society, use for society." Aligning with the United Nations SDGs, NCUT continuously promotes and refines pragmatic improvements, becoming a model of sustainable development in higher education. Through the higher education intensive development plan, NCUT combines industry and local government cooperation to create sustainable business prosperity, supporting national development goals. The key outcomes of its sustainable development efforts are highlighted below.

### **1. Strategic Program Promotion and Financial Support:**

Implementing targeted programs to enhance educational quality and sustainability.

Securing financial resources to support innovative teaching and research initiatives.



## 2. Industry and Community Collaboration:

Strengthening ties with local industries and communities to address real-world challenges.  
Developing partnerships that enhance the practical skills and employability of graduates.

## 3. Sustainable Business Prosperity:

Promoting sustainable business practices that benefit both the economy and the environment.  
Encouraging students and faculty to engage in projects that drive economic and social value.

## 4. Alignment with National Policies:

Supporting national development goals through research, innovation, and community engagement.  
Contributing to the advancement of sustainable practices at the regional and national levels.

Through these comprehensive efforts, NCUT demonstrates its commitment to fostering an educational environment that not only excels in academic and technical training but also promotes sustainable development and social responsibility.

### **NCUT's development vision and goals--promoting the sustainable operation and development of the university**

NCUT upholds the school motto of "Diligence, Perseverance, Honesty, and Simplicity," uniting the efforts of all teachers and students. The university aims to be "a pragmatic, practical, and innovation-oriented high-quality industrial science and technology university," striving to become "the cradle of industrial talent cultivation" and "the base of technology research and development." With this vision, NCUT is committed to the mission of cultivating high-quality technical talents in science and technology fields, fulfilling the social responsibilities of national universities, and promoting the sustainable operation and development of the school.

#### 1. **Development Vision:** A high-quality industrial science and technology university that is pragmatic, practical, innovative and oriented.

NCUT is located in an emerging satellite city, strategically close to Taiping Industrial Zone, Dali Industrial Zone, Taichung Industrial Zone, Tanzi Export Processing Zone, Precision Machinery Technology Innovation Park, and Central Science Park. It is also situated near the "Golden Longitudinal Valley 60 kilometers," a key cluster of Taiwan's precision machinery industry. This prime location provides excellent conditions for industry-university cooperation.

With a development vision of being a "pragmatic, practical, innovation-oriented, and high-quality industrial science and technology university," NCUT is committed to pragmatic and deep-rooted growth. By facing challenges with innovative strategies, the university aims to



achieve sustainable development and continue to thrive as a leading institution in industrial science and technology.

## 2. **Development goals:** the cradle of industrial talent cultivation and the base of technology research and development

In line with national policies and the needs of the industrial sector for skilled talent, NCUT is dedicated to cultivating professional and technical talents for societal benefit. The university aims to become the best partner for industry and the community, aspiring to develop into a "cradle of industrial talent cultivation" and a "base for technology research and development." These goals are outlined as follows:

Alignment with National Policies: NCUT aligns its educational programs and initiatives with national policies to ensure that the talents it cultivates meet the evolving needs of the country's industrial and technological sectors.

- (1.) **Meeting Industrial Talent Needs:** By closely collaborating with industry partners, NCUT ensures that its students are equipped with the relevant skills and knowledge that are in high demand within various industries.
- (2.) **Best Partner for Industry and Community:** NCUT fosters strong partnerships with both industry and community organizations, creating a synergistic environment that benefits students, faculty, and industry stakeholders alike.
- (3.) **Cradle of Industrial Talent Cultivation:** NCUT is committed to being a leading institution in producing highly skilled industrial talents who are well-prepared to contribute to technological advancements and economic growth.
- (4.) **Base for Technology Research and Development:** NCUT serves as a hub for cutting-edge research and development, driving innovation and supporting the technological needs of industry through collaborative projects and initiatives.

## 3. **Pay Equal Attention to Theory and Practice**

NCUT emphasizes the integration of theoretical knowledge and practical application to develop pragmatic teaching features and strengthen core technology instruction. The university promotes flipped teaching methods to help students effectively combine theory with practice. The relevant content is explained as follows:

### (1.) **Basic Theoretical Teaching:**

Provide students with a comprehensive range of basic courses and professional practical techniques that link multiple fields. This foundational knowledge equips students with the necessary theoretical background to excel in their chosen disciplines.

### (2) **Core Technology Teaching:**



In response to the evolving needs of industrial technology, the department regularly reviews and updates its core courses. The strategies include:

**Cross-Field Credit Courses:**

Plan and offer interdisciplinary courses that allow students to earn credits across different fields, fostering a broad skill set and integrated understanding.

**Professional Micro-Credit Courses:**

Offer specialized micro-credit courses that focus on emerging technologies and industry-specific skills, providing students with targeted expertise in key areas.

**Special Topic Courses:**

Each department formulates required special topic courses designed to cultivate students' in-depth knowledge and problem-solving abilities. These courses enable students to develop a variety of core technologies and integrated capabilities, preparing them for the demands of the modern industrial landscape.