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[SDGs 17] Partnership for the Goals 全球夥伴

[17.2.3] Does your university as a body participate in international collaboration on gathering or measuring data for the SDGs?

NCUT's Participation in International Collaboration on Gathering or Measuring Data for the SDGs

NCUT actively engages in international collaborations related to the collection, analysis, and reporting of data aligned with the United Nations Sustainable Development Goals (SDGs). NCUT demonstrates its commitment through the following key initiatives:

1. Contribution to International Sustainability Rankings

NCUT regularly participates in globally recognized sustainability performance frameworks, including:

- **UI Green Metric World University Rankings**
NCUT submits structured annual data across multiple SDG-related dimensions such as energy efficiency, water conservation, transportation, waste reduction, and educational initiatives. This participation ensures the university's data aligns with international standards for measuring environmental and social performance.
- **Times Higher Education (THE) Impact Rankings**
NCUT reports institution-wide metrics directly aligned with the SDGs, such as SDG 6 (Clean Water and Sanitation), SDG 7 (Affordable and Clean Energy), SDG 11 (Sustainable Cities and Communities), and SDG 13 (Climate Action), using a data-driven and evidence-based approach.

2. International Academic and Research Collaborations

NCUT is involved in bilateral academic agreements that support shared research and sustainability data collection, including:

- A memorandum of understanding with the Czech College of Polytechnics Jihlava (VSPJ) enables collaboration on projects involving energy efficiency, environmental monitoring, and sustainable development practices.
- These projects involve joint data analysis, cross-country benchmarking, and the exchange of sustainability performance metrics in research and education.

3. Hosting International SDG-Linked Conferences and Forums

As a co-organizer of the 19th National Hydrogen and Fuel Cell Conference, NCUT worked alongside the Taiwan Hydrogen and Fuel Cell Association and Taiwan ESCO Association to:

- Facilitate cross-sectoral dialogue on net-zero carbon strategies and green hydrogen technology.
- Host an international hydrogen forum featuring speakers such as Jon Clipsham (Scotland) and Dr. Linatroskialinau (Indonesia), who shared research and regional policy data related to hydrogen energy applications.
- Promote international data sharing and technical cooperation in clean energy, aligned with **SDG 7 (Affordable and Clean Energy)** and **SDG 13 (Climate Action)**.

The event served as a platform for international collaboration on data and policy development, enabling the exchange of best practices, case studies, and future modelling approaches for sustainable energy systems.

4. Smart Environmental Monitoring Systems (Domestic Contribution with International Relevance)

While primarily operated within Taiwan, NCUT's deployment of **ICT-based monitoring systems** for water, energy, and waste contributes data aligned with **international sustainability standards**. These systems support reporting to global ranking platforms and offer potential integration into international research networks.

NCUT's international collaborations reflect a strong institutional commitment to gathering and measuring SDG-related data. Through contributions to global rankings, research alliances, and the implementation of smart environmental systems, NCUT ensures that its sustainability performance is transparent, measurable, and aligned with global SDG indicators.

Establishing the Vietnam Alumni Association: Uniting Alumni and Expanding Influence



Our school established the Vietnam Alumni Association, hoping to unite the strength of overseas alumni and create a platform for industrial exchange.

NCUT set up "Myanmar high-tech talent training base" for overseas students

The "Myanmar High-tech Talent Training Base," a collaborative effort between the National Chin-Yi University of Technology (NCUT) and the Overseas Chinese Committee, was officially inaugurated on the 16th. This initiative aims to foster the development of more high-tech talents within the overseas Chinese community.

President Chen, Wenyuan highlighted that NCUT has established a four-year overseas youth industry-university cooperation special class tailored for overseas students. The program anticipates enrolling 80 students across two classes. In addition to specialized coursework, students will have access to free Chinese language courses. To provide comprehensive support, a dual-tutor system will be implemented. In addition to academic tutors for course-related studies, life tutors will be available to assist Burmese students in adapting to life in Taiwan.

This initiative represents a commitment to education and cross-cultural collaboration, enabling overseas Chinese students to access high-quality education and resources while promoting cultural exchange and cooperation between Myanmar and Taiwan.

To expand its international influence, our school has signed a memorandum of understanding with the Czech Technical University in Ibrawa, including faculty and student exchanges, teacher exchanges, and laboratory cooperation, with plans to start this project this year. President Chen Wenyuan stated that these cooperation projects will provide more academic and cultural experiences for faculty and students and bring new momentum to the development of both schools, hoping to cultivate international-level practical technical talents for both countries, thus creating a new era in higher education.





NCUT Signs MOU with Universitas Nusantara PGRI Kediri to Promote Student and Academic Exchange

National Chin-Yi University of Technology (NCUT) has signed a memorandum of understanding (MoU) with Universitas Nusantara PGRI Kediri, Indonesia, marking the beginning of a new partnership focused on student exchanges, academic collaboration, and industry interaction.

As part of this agreement, Universitas Nusantara will send two students to NCUT for an exchange program this September. Following the exchange, both institutions will jointly organize a high school summer camp to further promote cross-cultural learning and cooperation.

NCUT President Chen Wen-Yuan emphasized that the initiative will help build a more competitive and globally connected learning environment for students. Universitas Nusantara President Lin Qing-Xiang also expressed enthusiasm for the partnership, noting that it will provide valuable educational experiences for students from both institutions.

This collaboration strengthens NCUT's international engagement and reflects its ongoing commitment to fostering global academic partnerships.



Our School Signs MOU with Universitas Nusantara PGRI Kediri



President Chen Wenyan (left) and President Lin Qingxiang (right) of Universitas Nusantara PGRI Kediri sign the MOU on behalf of their respective institutions.

NCUT's Sustainable Development Center Drives ESG Talent Cultivation and Carbon Transformation

The Sustainable Development Center at NCUT plays a growing role in supporting the sustainable transformation of Taiwanese enterprises. In partnership with the French Standards Association Afnor Bell, the ESG Sustainable Development Association, and with strong involvement from NCUT faculty and students, the center provides ESG upgrade services and talent training.

Led by CEO Dr. Chen, Humu, the center focuses on practical carbon inventory capabilities. In the past year, it has assisted 59 companies with carbon inventories and 20 with energy audits, all receiving central government subsidies. These services help businesses transition smoothly toward net-zero goals, while offering students hands-on experience in ESG reporting and carbon accounting.



Dr. Chen emphasized the urgent industry need for professionals who can deliver sustainability reports aligned with international standards. NCUT's model—combining certified teacher-student teams with a fast, effective carbon inventory system—has become a benchmark for "painless green transformation" in Taiwan's industrial sector.

NCUT actively engages in international cooperation to achieve sustainable development goals

NCUT is situated in an emerging satellite city, strategically located near Taiwan's precision machinery industry cluster, offering an ideal environment for fostering industry-university collaboration. With a robust structure and conducive conditions for such partnerships, NCUT has long been committed to the mission of cultivating high-quality professional and technical talents required by industries at all levels.

In response to the wave of globalization, the school is dedicated to nurturing students with the capability to thrive internationally and attracting international professional talents. This commitment reflects the direction in which the institution is evolving.

Adhering to the school motto of "Diligence, Perseverance, Honesty, and Simplicity," NCUT upholds values where diligence is valued over idleness, and integrity and simplicity unite the efforts of all faculty and students. Guided by the vision of becoming an "International Quality Industrial Science and Technology University," the school confronts challenges with innovative strategies, driving sustainable operation and development forward.

NCUT Participation in Taiwan-Germany Alliance (TAI-HAW)

The outstanding teachers and students of NCUT participated in the TAItch-HAWtech study visit to Germany, where they visited three universities: Kaslu University of Applied Sciences (HKA), Aachen University of Applied Sciences (FH AACHEN), and Dresden University of Applied Sciences (HTWD). Each university has a wide range of research fields, covering machinery, industry, clean energy, automation, artificial intelligence, and other areas. In addition to completing the international cooperation plan (TAItch-HAWtech plan), this visit also involved learning about the research projects at these universities and proposing the possibility of cooperation.

Speeches by experts and scholars on carbon-related topics

NCUT places a strong emphasis on carbon-related topics, including but not limited to bismuth telluride-based nanostructures, green composite materials, obsolete lithium battery activation technology, circular economy, and sustainable energy. To enrich understanding and knowledge in these areas, the university has organized events featuring speakers from esteemed institutions such as the University of New South Wales, the University of Singapore, Dadong Resin Chemistry Co., Ltd., and Taiyang Rubber Factory Co., Ltd.