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[SDGs 17] Partnership for the Goals 全球夥伴

[17.2.2] Does your university as a body initiate and participate in cross-sectoral dialogue about the SDGs, e.g. conferences involving government/NGOs?

Yes, National Chin-Yi University of Technology (NCUT) actively initiates and participates in cross-sectoral dialogues about the Sustainable Development Goals (SDGs), particularly through conferences, academic symposia, and collaborative platforms involving government bodies, NGOs, industry, and academia. Below is a structured summary:

NCUT's Role in Cross-Sectoral SDG Dialogue

1. Initiating SDG-Focused Events and Conferences

NCUT regularly organizes and hosts conferences and seminars aimed at advancing SDG-related themes. Notable examples include:

- Hydrogen Energy and Fuel Cell Academic Seminar, co-organized with the Taiwan Hydrogen and Fuel Cell Partnership and the Taiwan Energy Technology Service Association, discussing clean energy transitions (SDG 7, SDG 13).
- Energy and Refrigeration Academic and Technical Conference (ERAC 2024) and the Green Innovation and Creative Practice Competition, bringing together students, industry experts, and government representatives to promote sustainable engineering solutions.

2. Collaborating with Government and NGOs

- NCUT engages with ministries such as the Ministry of Science and Technology (MOST) and the **Environmental Protection Administration (EPA)** through joint research and policy discussions, often tied to **environmental protection (SDG 13)**, **water management (SDG 6)**, and **clean industry practices (SDG 9)**.
- The university works with local NGOs and city governments (e.g., Taichung City Government) to implement and promote sustainability campaigns such as:
 - Source Reduction of Disposable Items
 - Food Waste Composting and Recycling Programs
 - Green-Collar Talent Development Projects

3. Facilitating Multistakeholder Engagement

- NCUT promotes trilateral cooperation among academia, industry, and government through research alliances and symposia. For example:

- Hosting the Advanced Smart Manufacturing Technology Alliance and the Hard-to-Cut Materials Processing Technology Industry-University Alliance, both of which include private sector and public representatives.
- Participating in inter-university and regional forums to discuss the role of higher education institutions in advancing the SDGs.

4. 4. Supporting Youth and Community Participation

- Through projects like the “Meet Your Mentor Program” (遇見貴人計畫), NCUT supports socially and economically disadvantaged students while also linking them with industry mentors, combining **education (SDG 4)** and **economic opportunity (SDG 8)**.
- Cross-sector dialogues include both expert panels and community-level discussions, emphasizing inclusive participation.

NCUT demonstrates a strong commitment to cross-sectoral SDG dialogue by initiating, organizing, and participating in multi-stakeholder conferences and partnerships. These efforts not only raise awareness of the SDGs but also contribute to policy integration, community development, and innovation-driven sustainability solutions across Taiwan and the region.



HIWIN MIKROSYSTEM Donates High-Precision Industrial Robots to Promote Sustainable Education and Cultivate Smart Manufacturing Talent

HIWIN MIKROSYSTEM has donated high-precision industrial robots to NCUT, YunTech, and Songshan High School to promote sustainable education and cultivate talent in smart manufacturing. The donated equipment includes single-axis robots, servo motors, and drivers, widely used in automation

industries. This initiative helps students strengthen their hands-on skills and system integration abilities, bridging theory with practice.

At the ceremony, HIWIN's HR team stated, "Education is the foundation of society. We hope this donation equips students with practical skills for future careers." The donation reflects HIWIN's commitment to talent development and innovation through industry-academia collaboration.



In line with the Ministry of Education's Higher Education Sprout Project and its subprogram aimed at supporting disadvantaged students—"Hope for Admission, Assistance in School, Empowerment for Employment"—NCUT has launched the 2025 "Meet Your Mentor" Program.

This initiative invites philanthropic entrepreneurs to serve as career mentors, guiding economically disadvantaged students in developing their professional skills and enhancing their post-graduation competitiveness.

Each of the seven selected students will complete 40 hours of one-on-one mentorship from June to October, with 8 hours per month and regular progress reports. A final presentation and report will be submitted in October, and upon approval by their mentors, students will receive a scholarship.

Through this valuable program, students gain real-world insights, build confidence, and receive career guidance directly from experienced industry leaders.

NCUT expresses sincere gratitude to the participating mentors for their time, encouragement, and continued support in helping students turn challenges into opportunities and dreams into reality.

Ten Central Universities Sign Climate Change Education Declaration to Create Sustainable Green Campuses



Ten central universities at China Medical University jointly signing the 2024 "Central University Climate Change and Education Declaration."

NCUT Joins Central Taiwan Universities in Signing the 2024 Climate Change and Education Declaration

NCUT, together with ten central Taiwan universities, has jointly signed the *2024 Central University Climate Change and Education Declaration*. This collective commitment aims to advance climate change education, promote sustainable development, and achieve net-zero carbon emissions, while highlighting each institution's impressive progress and outcomes in these areas.

The declaration ensures that all students receive high-quality climate change education and that educators are trained to effectively deliver relevant content. President Hong Ming-Ji of China Medical University emphasized that universities should take the lead in sustainability efforts and foster horizontal collaboration for impactful action. NCUT Vice President Li Hong-Tao added that, through inter-university sharing and monitoring mechanisms, the university actively demonstrates effective community engagement and fosters creativity in addressing climate challenges.

Department of Health Management Partners with Taichung Tzu Chi Hospital



Taichung Tzu Chi Hospital's new outpatient department has opened, with President Chen Wenyan of our university and Superintendent Jian Shouxin of the hospital signing a memorandum of understanding for industry-academia collaboration. This department integrates various specialties such as the Neurology and Spine Center (Neurosurgery),



The Second "Pandemic Air Conditioning and Environmental Doctor Symposium"



Greenhouse Gas Inventory: Leading Verifier Training

ESG carbon inventory and carbon tax issues have become global concerns, with greenhouse gas emissions being one of the primary causes. To address this global challenge, our school organized the ISO 14064-1: 2018 Greenhouse Gas Inventory Lead Verifier Training to cultivate a team of professional verifiers, ensuring efficiency and accuracy in inventory work, and fostering a new generation of carbon reduction experts. The training covered topics such as greenhouse gas issues, international trends, article analysis, and case studies, and participants had the opportunity to obtain certification on site.



NCUT Partners in Launch of Taiwan’s First Green-Collar Talent Program to Advance Net-Zero Future

National Chin-Yi University of Technology (NCUT) is proud to join forces with the New Taipei City Government, St. John’s University, and industry partners in launching Taiwan’s first “New Taipei Green Collar Talent Cultivation Program.” Spearheaded by the New Taipei City Education Bureau, the initiative aims to foster green-collar professionals across three major domains: green literacy, green science, and green skills.

With a NT\$30 million investment from 2024 to 2030, the program seeks to build a sustainable talent pipeline in support of New Taipei City's net-zero vision. At the launch press conference, Vice Mayor Liu He-Ran presented certificates to the country's first six technical-vocational seed teachers for green-collar education, underscoring their pivotal role in integrating sustainability into school curricula.

A carbon-reduction cooking demonstration by Ku Pao High School students showcased practical applications of sustainable practices. Meanwhile, Principal Chen Hao-Ran of Jhangshu International Creative Technical High School shared insights on conducting Taiwan's first carbon inventory for a vocational school—an effort completed in partnership with NCUT's Carbon Neutrality Center.

NCUT President Chen Wen-Yuan affirmed the university's commitment to fostering green-collar talent through summer camps, expert lectures, and support for green curriculum design. These efforts aim to prepare students and teachers for emerging employment trends, using innovative educational methods like the "mother hen leads chicks" model.

By aligning with government, academia, and industry, NCUT continues to promote sustainability education and contribute to Taiwan's green transformation.



WDA's Taichung Regional Branch Launches On-Campus Career Action Centers

To foster youth employment, the Taichung-Changhua-Nantou Regional Branch of the Workforce Development Agency (WDA), Ministry of Labor, hosted a symposium with 22 university presidents to promote the establishment of "Youth Salon" career action centers on campuses. These centers will provide career counseling, resume clinics, and job search training, with dedicated staff offering customized support.

Branch Director Liu Shiu-Chen emphasized the agency's commitment to empowering students through programs like the College Youth Pre-recruitment Program and the Phase 2 "Investment in

Youth Employment Program.” The initiative aims to strengthen links between schools and government, ensuring graduates are well-prepared for key national industries.



NCUT Establishes Carbon Neutrality Center to Support National Sustainability Goals and SMEs

In response to the growing global urgency surrounding climate change and carbon neutrality, National Chin-Yi University of Technology (NCUT) established its Carbon Neutrality Center in July 2022. The center plays a key role in Taiwan’s national push toward net-zero emissions by assisting small and medium-sized enterprises (SMEs) in building greenhouse gas inventories, calculating product carbon footprints, and enhancing carbon reduction capabilities.

The move aligns with the Executive Yuan’s “Sustainable Energy Policy Framework,” which calls for incorporating carbon neutrality into all aspects of policy planning. This framework emphasizes proactive carbon management, including quantifying carbon footprints, implementing internal reduction strategies, and offsetting remaining emissions through external reduction quotas—ensuring no net increase in atmospheric greenhouse gases.

Global warming has been increasingly linked to the rise in extreme weather events, further accelerating international efforts in voluntary carbon neutrality. The typical process begins with setting a carbon neutrality goal, conducting greenhouse gas inventories, reducing internal emissions, and offsetting any remaining emissions externally.

NCUT’s Carbon Neutrality Center is designed to ease the burden on local industries facing growing pressure from international net-zero commitments, green supply chain demands, and carbon border adjustment mechanisms. By providing practical tools and training for carbon management, the center helps SMEs maintain competitiveness while contributing to national and global sustainability targets.

Through this strategic initiative, NCUT not only promotes energy conservation and carbon reduction but also plays a vital role in advancing Taiwan’s transition toward a low-carbon, resilient economy.