



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

[SDGs 4] Quality Education 教育品質

[4.3.2] Does your university as a body host events at university that are open to the general public: public lectures, community educational events?

NCUT's Public and Community Engagement through Education and Sustainability Programs

NCUT actively engages with the community through diverse public lectures, community education events, sustainability service programs, and outreach projects. These initiatives bridge academic knowledge and societal needs, aligning directly with SDG 4 (Quality Education), SDG 11 (Sustainable Cities and Communities), and SDG 13 (Climate Action)

1. Public Events and Open Lectures

NCUT regularly hosts events open to the public that strengthen links among academia, government, industry, and civil society, fostering dialogue on sustainability, green innovation, and community wellbeing

- **Conferences and Academic Forums**
 - *Hydrogen Energy and Fuel Cell Forum (2024)* – Featured global experts sharing developments in renewable energy technologies.
 - *Conference on Green Technology and International Symposium on Diversified Green Energy Creative Inventions* – Promoted carbon-neutral research and innovation.
- **Workshops and Seminars**
 - *Carbon Inventory Seminar, Smart Living Seminar, and Air Compression Utility System Planning Workshop* educated the public and industry participants on low-carbon design and energy efficiency.
- **Cultural and Community Activities**
 - *Eye's Life Feast Concert, Arbor Day Earth Restoration Action, and Forest Tree Planting* invited community participation, promoting environmental awareness and artistic engagement.
- **Community Development Forums**
 - *Taichung City Aboriginal Tourism Industry Forum (2024)* gathered stakeholders from government, academia, and local communities to support indigenous cultural industries and tourism development.

2. Educational Outreach Programs

NCUT expands access to learning beyond campus through public education initiatives.

- **Digital Learning Buddy Program (Ministry of Education Collaboration)**
 - NCUT students provide one-on-one online tutoring to rural elementary pupils (grades 3–6) in Chinese, English, and Mathematics.
 - Participants receive training, regular mentorship, and a small service stipend, fostering mutual learning and social responsibility.
- **Overseas Volunteer Education Projects**
 - Students travel abroad (e.g., Cambodia, Thailand) to teach, conduct cultural exchanges, and promote sustainability awareness in partner schools.

3. Sustainability and Community Service Projects

NCUT integrates sustainability into its University Social Responsibility (USR) framework, promoting both local and international service learning.

| Project Name | Participants | Duration | Focus Area |
|---|--------------|----------|-------------------------------|
| Overseas Volunteer Service Team | 30 | Annual | Well-being, Education |
| Chinese Language Teaching Program (India) | 50 | Annual | Education & Culture |
| New Taipei Green Collar Talent Development Program | 300 | 6 Years | Environment & Education |
| Intelligent Innovation and Sustainable Development Practice | 200 | Annual | Environment |
| Life Bridge Assistance Program | 50 | Annual | Education |
| Touchable Notation for the Blind | 10 | 5 Years | Education |
| NB-IoT Smart Agriculture Project | 50 | 2 Years | Environment & Water Resources |
| Industry-Academic Support for Fruit Farmers (Litchi) | 50 | 6 Years | Economy & Water Resources |
| Carbon Neutral Inspection Services and Technology R&D | 50 | Annual | Environment & Education |

Impact Summary

- More than 60 sustainability-related projects organized each year.
- Over 700 students participate annually.
- Outcomes directly contribute to SDG 4, SDG 11, and SDG 13 through community education, environmental awareness, and climate action programs

4. Broader Societal Engagement

NCUT's engagement model integrates academic research, social innovation, and community collaboration.

- Partnerships with local governments on environmental projects (e.g., firefly habitat restoration in Yunlin County).
- Student innovation teams creating solutions for local industries (e.g., mushroom harvesting equipment for Xinshe farmers).
- Art and cultural initiatives that revitalize local heritage (e.g., Taiping Ironwork Art Festival).

Through its wide-ranging public lectures, community workshops, sustainability projects, and volunteer education initiatives, NCUT serves as a regional hub of innovation and lifelong learning.

These outreach activities reflect t NCUT's core mission to apply knowledge for the betterment of society, support inclusive education, and accelerate progress toward the UN Sustainable Development Goals.





2024 國立勤益科技大學USR 剪柄機設備落地記者會

活動
流程

- 13:30-14:00 迎賓
- 14:00-14:10 典禮開始/貴賓介紹
- 14:10-14:30 長官致詞
- 14:30-14:50 USR計畫介紹
- 14:50-14:55 啟用儀式
- 14:55-15:00 貴賓合影
- 15:00-15:10 剪柄機機台展示及介紹
- 15:10-16:00 媒體採訪/農民交流



活動報名表單

指導單位 / 教育部大學社會責任推動中心
主辦單位 / 國立勤益科技大學 | 工程學院
中華民國昆蟲學會農業生物學學院昆蟲科計畫



Industry, government and academia join hands to develop mushroom handle shearing machine equipment NCUT team helps Xinshe mushroom farmers solve labor shortage problem

Yunlin County cooperates with NCUT and the community to create a firefly habitat



NCUT students' work "The Heart of the Iron Ring" won the selection in the Ministry of Education competition and hopes to promote the sustainable development of Taiping Ironwork Art



Lecture Sharing Air Compression Utility System Planning and Energy Saving Design

二、演講宣傳-2B(針對盤查師實務演講)

相關演講花絮



2月7日碳盤查與能源局經驗談

2月10日實際碳盤查經驗分享



2月15日實際碳盤查經驗分享



3月13日碳盤查致遠系師生座談會

Carbon Inventory Seminar



NCUT Smart Living Seminar discusses the latest development trends



NCUT participates in promoting climate change education and building a green and sustainable campus



The University of Central Taiwan jointly (M6) held a forum on climate change and university social responsibility, and 11 universities initiated cooperation related to "Climate Change and Education"



Cultivate green-collar talents through practical methods
NCUT team of teachers and students assists the sustainable transformation of the industry



NCUT overseas volunteer team went to Chiang Rai to help educate local children



NCUT jointly organized a food and agriculture education package tour in Shinshe, Taichung City, attracting 300 New Taipei primary school students to experience it



NCUT signed a memorandum of understanding with Czech Jihlava Institute of Technology to cultivate international talents



NCUT and Taiwan Energy and Environmental Development Association organize Arbor Day "Earth Restoration Action"



NCUT stimulates creativity and promotes local creation



NCUT and Taiwan Energy and Environmental Development Association organized Arbor Day Earth Restoration Action



NCUT overseas volunteer team went to Chiang Rai to help educate local children



2024 GTEA

2024 Conference on Green Technology Engineering and Application

綠色科技

工程與應用研討會

5/31 五



報名網站: <https://gtea2024.iware.com.tw/>
活動報名費用: 1500元/篇

重要時程

- 3/29 (五) 論文初稿截止
- 4/12 (五) 審查結果通知
- 4/26 (五) 論文定稿截止
- 5/05 (日) 報名繳費截止
- 5/31 (五) 研討會活動

徵文範圍

1. 智慧機械與機構設計(SMD)
2. 智慧製造(SM)
3. 綠色製造與碳循環科技(GMCRT)
4. 綠色材料(GM)
5. 冷凍空調技術(RAC)
6. 綠色能源與節能(GEES)
7. 機電自動化(MA)
8. 其他工程相關領域(OTH)

- 主辦單位**
國立勤益科技大學 工程學院
- 協辦單位**
國立勤益科技大學 機械工程系
國立勤益科技大學 化工與材料工程系
國立勤益科技大學 冷凍空調與能源系
國立勤益科技大學 精密製造科技研究所博士班
國立勤益科技大學 智慧自動化工程系
- 贊助單位**
財團法人張明玉國秀文教基金會



NCUT Assists in Organizing the 1st Taichung City Aboriginal Tourism Industry Forum Seminar in 2024

In 2024, global efforts to revitalize tourism economies have been reignited. Taiwan's industry, government, and academia are reinvesting resources to restart the island's tourism resources, welcoming international tourists, and bolstering the indigenous tourism industry. On Wednesday, June 26, the 2024 First Taichung City Aboriginal Tourism Industry Forum Seminar was held at the Weige International Convention Center. Guided by the Aboriginal Peoples Committee, the Tourism Administration of the Ministry of Transportation, and the Taichung City Government, and hosted by the Huaxia International Culture, Tourism, and Tourism Association, the event saw the participation of NCUT scholars and professors. Their contributions focused on the indigenous cultural industry, specifically supporting the development of Taiwan's indigenous industries.

Taiwan is home to 16 officially recognized ethnic groups, each with unique cultural characteristics. These groups have reclaimed and regularly celebrate their traditional cultural rituals, integrating these elements into daily life and tourism attractions. This seminar aimed to address urban indigenous issues, stimulate tribal characteristics, and promote the slow-paced, leisure-oriented "tribal learning" tourism model. Key urban indigenous areas, such as "Wufeng Huadong New Village" and "Taiping Ziqiang New Village" in Taichung City, were highlighted.

Keynote Speeches:

- **Chen Yuzheng, Deputy Director of the Tourism Bureau:** Emphasized the Bureau's commitment to promoting tribal cultural tourism. He discussed plans for tribal itineraries, the integration of tourism resources from various counties and cities, and the marketing of Taiwan's tourism characteristics. The aim is to boost the tourism output value of indigenous industries and provide new international travel options.
- **Legislator Huang Ren:** Stressed the need for the integration and development of urban indigenous industries. He highlighted government efforts to revitalize agricultural and fishery industries, promote national tourism, and support the indigenous economy. Huang advocated for international exchanges and cooperation to enhance Taiwan's cultural tourism and economic benefits.

Discussion Themes:

1. Tourism and Urban Orientation:

- Current policies and their implications.
- Development of tourism e-commerce.
- Indigenous cultural and creative industries in urban areas.
- Integration of tribal cultural and tourism marketing.

2. Interactive Sessions:

- Scholars and guests engaged in interactive Q&A sessions to propose solutions and measures for developing favorable economic conditions for Taiwan's indigenous peoples.

Goals: The seminar aimed to:

- Effectively integrate and plan indigenous industries.
- Develop and upgrade tribal indigenous industries across the country.
- Promote cultural tourism through international exchanges and cooperation.
- Support the economic development of Taiwan's indigenous communities, improving their quality of life.

NCUT's involvement in this forum highlights its commitment to fostering academic and cultural collaborations that benefit Taiwan's indigenous populations and broader tourism economy.

