

# 國立勤益科技大學

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新訊

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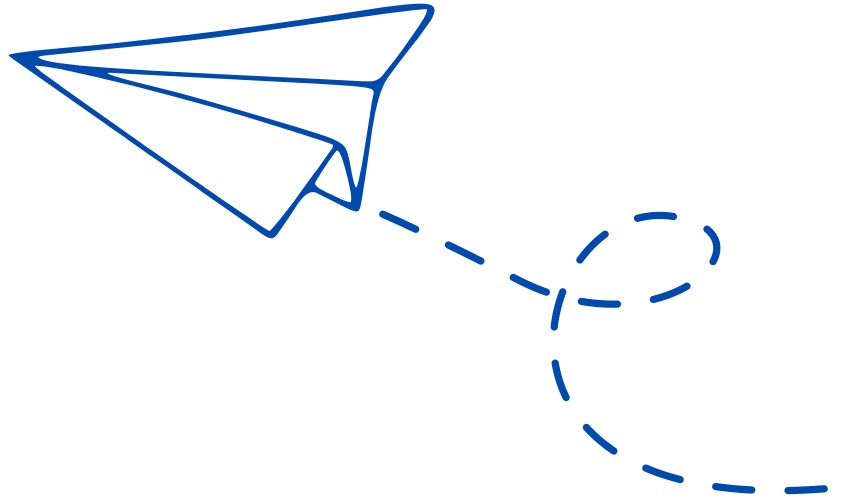


勤益科大官網

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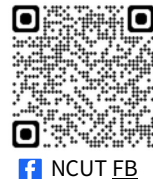
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You can learn more about NCUT of Science and Technology through the QR CODE on the right.



# NCUT Leads Industry–Academia Alliance with Taichung Golden Hand Award Association



## Advancing Smart Manufacturing Talent Development\*\*

To strengthen talent cultivation and innovation capacity in central Taiwan, the Taichung Golden Hand Award Association signed a Memorandum of Understanding (MOU) on the March 25th with eight universities in the region. Among them, NCUT stands out as a key technological university, recognized for its long-standing achievements in smart manufacturing and industry–academia collaboration. The event was witnessed by Chang, Feng-yuan, Director General of the Taichung City Government Economic Development Bureau, marking a new phase of institutionalized collaboration between academia and industry.

NCUT has long been closely connected to the precision machinery cluster in central Taiwan, with strong expertise in smart manufacturing, precision engineering, and green technology. Through industry partnerships, hands-on projects, and internship programs, NCUT has cultivated a large number of practice-ready professionals. The university noted that joining this alliance will further integrate industry resources, expand internship opportunities, and enhance research collaboration and career placement outcomes.

Kuei-Hsiang Chao, Vice President of NCUT, stated that as global industries accelerate toward smart and net-zero transformation, technological universities play a crucial role in talent development. NCUT will continue to strengthen interdisciplinary integration and practice-oriented education to cultivate professionals equipped for future industry demands.

The Taichung City Government Economic Development Bureau emphasized that industry–academia collaboration is essential to enhancing urban competitiveness. Moving forward, the city will integrate policies related to smart manufacturing, innovation, and MICE (Meetings, Incentives, Conferences, and Exhibitions) to build a more resilient and forward-looking industrial ecosystem.

The alliance also includes institutions such as National Chung Hsing University, Feng Chia University, and Tunghai University. Through collaborative curriculum design, internships, and joint R&D initiatives, the alliance aims to strengthen industry–academia linkages. NCUT will continue to leverage its strengths in technological education, positioning itself as a key hub for advancing smart manufacturing and sustainable development in central Taiwan.

# NCUT Ranks Among Top 100 Universities in Taiwan for Patent Applications



Demonstrating Strong R&D Capacity and Innovation Momentum\*\*

According to the latest “Top 100 Universities for Domestic Invention Patent Applications (2025)” released by the Taiwan Intellectual Property Office under the Ministry of Economic Affairs, National Chin-Yi University of Technology (NCUT) continues to demonstrate solid research and innovation capabilities, ranking among the top-performing universities nationwide.

In 2025, NCUT recorded a total of 69 invention patent applications. Although slightly adjusted from 75 applications in 2024, the university remains firmly within the national Top 100, highlighting the strong foundation and sustained momentum of Taiwan’s technological universities in industry-oriented research and development.

National Chin-Yi University of Technology has long adopted “industry-academia collaboration, practice-oriented education, and innovation-driven R&D” as its core development strategy. Through its colleges and research centers, the university actively promotes technological advancement and interdisciplinary integration, while encouraging faculty engagement in innovation and patent development. In recent years, NCUT has further strengthened partnerships with industry, focusing on key areas such as smart manufacturing, green energy technology, artificial intelligence applications, and precision machinery. Through technology transfer and patent commercialization, the university continues to enhance the industrial value and real-world impact of its research outcomes.

The university noted that the number of patent applications not only reflects its academic research capacity but also demonstrates its ability to translate research into practical industrial applications. By establishing a comprehensive ecosystem that connects R&D, patent strategy, and industrial implementation, NCUT is reinforcing the critical role of technological universities within the innovation landscape.

Looking ahead, National Chin-Yi University of Technology will continue to optimize its patent support mechanisms, strengthen innovation and entrepreneurship education for faculty and students, and expand collaboration with domestic and international industry partners. Amid rapid global technological transformation and the trend toward net-zero transition, NCUT will remain committed to advancing technology-driven development aligned with sustainability goals, striving to become a globally competitive university of technology and a key contributor to Taiwan’s industrial upgrading and innovation.

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## NCUT Landscape Architecture Exhibition “DREAWAKE” Showcases Design from Vision to Reality



NCUT Department of Landscape Architecture held the opening ceremony of its 26th annual exhibition, “DREAWAKE.” The exhibition features works by first- to third-year students and continuing education students, presenting their learning journey from initial concepts to practical spatial design.

The theme “DREAWAKE,” combining Dream and Awake, symbolizes the process of transforming imagination into reality. Students begin with creative ideas and refine them through real-world constraints and technical considerations, ultimately developing feasible design solutions. Through curated spatial layouts and project displays, the exhibition illustrates the full progression from vision to implementation.

The exhibition is organized into four thematic sections reflecting different stages of learning. First-year students present “Weave,” representing the formation of design ideas; second-year “Wander” explores the interaction between ideals and reality; third-year “Return” emphasizes reflection and conceptual refinement; and the continuing education program’s “Build” demonstrates the application of design concepts in real-life environments.

Chao, Kuei-hsiang, Vice President of NCUT, noted that the exhibition not only highlights students’ creativity but also enriches the campus with artistic and cultural vitality. Many projects successfully integrate design concepts into everyday life and the environment, demonstrating the important role of landscape architecture in enhancing urban quality and livability.

Fang, Jhih-fang, Chair of the Department, added that the exhibition has been held for 26 years and serves as both a showcase of learning outcomes and a platform for developing curatorial and teamwork skills.

One of the highlights is the “Forest Realm” ecological installation created by continuing education students. Based on the concept of zero-waste sustainability, it incorporates recycled materials and native plants to create a micro-ecological habitat on campus, demonstrating innovative practices in sustainable landscape design.

# NCUT Wins First Prize in International DSP Competition



## Showcasing Excellence in Smart Electronics Innovation

NCUT Department of Electronic Engineering participated in the 21st DSP (Digital Signal Processing) Innovative Design Contest, hosted by Southern Taiwan University of Science and Technology on March 13, 2026. Competing against teams from Taiwan, the Philippines, Vietnam, and India, NCUT achieved outstanding results, winning first place and two merit awards in the international division, as well as third place and multiple merit awards in the domestic competition.

The DSP contest is one of Taiwan's key competitions in digital signal processing and embedded systems, covering advanced fields such as artificial intelligence, smart sensing, and system integration. It emphasizes both innovation and practical application, providing an important platform for students to demonstrate their R&D capabilities.

In the international division, NCUT's award-winning project, "Music Tactalizer: A Haptic Music Player using Multi-Feature Audio-Tactile Rendering for Deaf and Hard-of-Hearing," converts audio signals into tactile feedback, enabling hearing-impaired users to perceive musical rhythm and emotion through touch. The project was supervised by Shih Chin-po and Kuo Han-hung, with team members Aaron Benjamin R. Alcuitas, Chang Kai-chun, and Tsai Sung-ying. The work was highly praised for its innovation and social impact.

In addition, NCUT teams received two merit awards in the international division. In the domestic competition, a team co-supervised by Kuo Han-hung and Chen Chia-ju won third place in the Microchip category, demonstrating strong practical skills in embedded system design. Overall, NCUT students earned seven additional merit awards.

NCUT noted that its Department of Electronic Engineering emphasizes project-based learning and competition-driven training to cultivate innovation and practical skills. These achievements highlight both students' R&D capabilities and the effectiveness of faculty mentorship. Moving forward, NCUT will continue to advance education in AI and digital signal processing to nurture globally competitive technology talent.

# NCUT Leads CNC Multi-Axis Skills Alliance



## Advancing High-End Smart Manufacturing Talent

To strengthen industry-academia collaboration and cultivate advanced CNC machining talent, NCUT, together with multiple universities and technical high schools, has established a strategic alliance to promote the Taichung Machine Tool Cup CNC Multi-Axis Skills Competition. A total of eight universities of science and technology and eleven technical high schools signed a memorandum of cooperation, forming a long-term platform for skills development and competition.

The alliance integrates academic research, industry expertise, and government training resources to support CNC multi-axis machining education and competition. Key areas of collaboration include competition planning and execution, equipment and technical support, faculty and judge exchanges, student training, and the development of elite competitors. These efforts aim to enhance students' practical skills, improve employability, and support sustainable talent development for the smart manufacturing and precision machinery industries.

Chao, Kuei-hsiang, Vice President of NCUT, stated that the university has long supported and actively participated in the competition, with students consistently achieving top-three rankings in the mill-turn and five-axis machining categories. He emphasized NCUT's commitment to hands-on technical education and advanced manufacturing training, expressing confidence that this year's teams will continue to demonstrate outstanding technical excellence.

This strategic alliance strengthens vertical integration within Taiwan's technical education system and enhances collaboration across academia and industry. Moving forward, the partners will jointly organize the 4th Taichung Machine Tool Cup CNC Multi-Axis Skills Competition, further building a comprehensive talent development platform that meets industry needs and creates a win-win-win outcome for schools, students, and industry.

# NCUT Alumni Spring Gathering Brings Community Together Reconnecting and Strengthening Lasting Bonds



The Alumni Association of NCUT, together with the Department of Chemical and Materials Engineering Alumni Association, held a spring hiking and gathering event on March 14, 2026. More than 50 alumni and faculty members participated, reconnecting through a shared journey at Dakeng Trail No. 9 in Taichung. Lu Tong-yi, President of the Southern Alumni Association, also traveled from Kaohsiung to join the event, reflecting the strong bonds among NCUT alumni.

Participants, many accompanied by family members, enjoyed a leisurely hike along the scenic trail, known for its lush greenery and panoramic views of Shinshe and Fengyuan. Along the way, alumni exchanged updates and shared memories, strengthening their connections in a relaxed and cheerful atmosphere.

At noon, the group gathered at Dongshan Chan Wenggang Chicken for a festive spring luncheon. The delicious local cuisine and lively conversations created a warm and joyful environment, as alumni caught up on life and recent experiences. Coinciding with White Day, Hsieh, Wen-tsung, Chairman of the Alumni Association, prepared bouquets of lilies as a thoughtful gift, extending festive wishes and adding a heartfelt touch to the event.

The organizers emphasized that alumni are one of the university's strongest pillars of support. Through activities such as hiking and social gatherings, NCUT continues to foster meaningful connections among its alumni community, promoting both well-being and lasting friendships while contributing to the university's ongoing development.

# NCUT Advances Smart Manufacturing and Interdisciplinary R&D

## Building a Talent Hub for High-End Manufacturing



Amid the global shift toward smart manufacturing and green transformation, NCUT continues to position technology development and industry-academia collaboration at the core of its mission. NCUT is dedicated to cultivating engineering talent equipped with practical skills and innovative thinking, serving as a key talent and technology base for Taiwan's manufacturing sector. Over the years, NCUT has established strong links with central Taiwan's precision machinery and machine tool industries, promoting innovation through R&D, patent development, and interdisciplinary integration in areas such as smart manufacturing, green energy, and artificial intelligence.

In terms of research performance, NCUT has demonstrated consistent strength. According to statistics released by the Taiwan Intellectual Property Office, the university recorded 69 invention patent applications in 2025, ranking among the nation's Top 100 universities. This reflects the solid foundation of technological universities in applied research and innovation. NCUT actively encourages faculty to engage in R&D across key fields, including precision engineering, AI, and sustainable technologies, while promoting technology transfer and industrial application of research outcomes.

In global rankings, NCUT ranked 9th in Taiwan and 2nd among universities of technology in the 2026 Interdisciplinary Science Rankings released by Times Higher Education. It also ranked 309th in Asia in the QS Asia University Rankings, placing 3rd among Taiwan's universities of technology. These results highlight the university's strengths in teaching quality, research impact, and industry collaboration.

Looking ahead, NCUT will continue to deepen collaboration with industry, integrating AI, smart manufacturing, and sustainable technologies to enhance its global competitiveness and drive Taiwan's transition toward advanced manufacturing.

# NCUT Student Lin Yen-Chih Wins Bronze at National Youth Weightlifting Championships



The 2026 National Youth Weightlifting Championships were held from January 28 to February 4 at Taichung Municipal Dalin Senior High School Gymnasium in Taichung, spanning nine days of competition. The event featured two main disciplines—snatch and clean and jerk—with top young athletes from across Taiwan competing for titles in various weight categories. The competition also served as an important lead-up event for the Asian Weightlifting Championships and the World Youth Championships.

The student Lin, Yen-Chih of NCUT, a member of the Amis indigenous group, delivered an outstanding performance under strong competition. Demonstrating both technical strength and composure, he secured third place in the Men's 94 kg category, showcasing his competitive ability on the national stage.

The university noted that Lin's achievement reflects not only his consistent dedication to training but also the support provided through the Indigenous Talent Development Program for Athletes, which enables students to balance academic studies and athletic training effectively. NCUT continues to provide comprehensive support to help students excel in their respective fields and build confidence in pursuing higher-level competitions.



This competition served not only as a test of physical strength and technique but also of mental resilience. Lin maintained stability and focus under pressure, demonstrating remarkable determination and growth. He will continue to refine his training and strive for even greater achievements in future competitions, with the goal of excelling on the international stage.