NCUT Newsletter

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勤益科大官網

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NCUT Hosts 23rd Student Government Leadership Training Program Strengthening Student Governance and Leadership Skills

NCUT organized a two-day leadership training program for the 23rd Student Government, including members from the Executive Branch, Student Council, and Arbitration Committee. The program aimed to enhance student governance capabilities, organizational skills, and leadership development through a combination of workshops and hands-on practice.

The opening ceremony was led by Lin Yun-tsan, Dean of Student Affairs, who emphasized that the student government serves as a vital bridge between the university administration, student clubs, departmental associations, and the student body. He encouraged participants to develop core competencies through the training and to enhance their capacity to serve and represent fellow students.

The program featured a variety of interactive sessions. Under the guidance of the student government advisor, participants engaged in debates on key campus issues, presenting arguments from multiple perspectives and fostering critical thinking. In the afternoon, faculty advisors and senior students conducted practical workshops on administrative operations, providing participants with hands-on experience in managing student government affairs.

In the evening, participants gathered at Fengyuan Education Center for in-depth discussions on current challenges in student governance. Advisors and senior members offered real-time feedback and practical suggestions, helping participants gain clearer direction and insights.

Participants described the two-day program as enriching and rewarding, noting significant improvements in communication, teamwork, and organizational skills. NCUT stated that it will continue to promote leadership training initiatives to cultivate students with strong leadership, civic engagement, and a sense of responsibility, contributing to a more dynamic and collaborative campus environment.

NCUT Establishes Central Taiwan’ s First Campus-Based Rotaract Club
Cultivating a New Generation of Leaders with Global Vision and Social Responsibility

Rotary International District 3461 has established a campus-based Rotaract Club at National Chin-Yi University of Technology (NCUT), marking the first of its kind in central Taiwan. The club represents an important expansion of District 3461’ s service network and brings Rotary’ s spirit of “Service Above Self” into higher education, aiming to cultivate young leaders with global vision, social responsibility, and a commitment to service.

Sunny Tsai, Governor of Rotary International District 3461, said NCUT has long been an important base for cultivating industrial and technical talent in Taiwan. He noted that establishing the first campus-based Rotaract Club at NCUT will help students learn the values of public service and participate in Rotary’ s international service projects, putting into practice the belief that “the more one serves, the more one benefits.”

Governor Tsai also thanked the Rotary Club of Taichung East, the Rotary Club of Taichung Dongyou, and the Rotary Club of Taichung Yushan for serving as sponsoring clubs. With their experience and support, he expects the NCUT Rotaract Club to become a model within District 3461.

Unlike traditional community-based Rotaract clubs, the NCUT club features three key strengths: mentorship by senior Rotarians, access to industry and professional networks for internships and career development, and opportunities to join international service initiatives such as polio eradication, environmental protection, and humanitarian relief.

NCUT Dean of Student Affairs Lin Yun-tsan said the club will strengthen students’ soft skills and help them develop empathy, teamwork, civic engagement, and sound life values through service learning.District 3461 emphasized that the NCUT Rotaract Club is only the first step in its campus outreach initiative and will continue promoting more campus-based Rotaract Clubs in the future.

NCUT Strengthens Smart Manufacturing and Precision Machinery Supporting the Upgrading of Taiwan’s Machine Tool Industry

As the global manufacturing industry accelerates toward smart, green, and high-end transformation, National Chin-Yi University of Technology (NCUT), with its strong foundation in engineering technology and close industry–academia collaboration, continues to strengthen its development in smart manufacturing and precision machinery. The university has become an important technical support base and talent cultivation hub for the precision machinery cluster in central Taiwan.

Building on its long-established R&D capacity, NCUT actively promotes the development of smart manufacturing, AI applications, and green energy technologies. According to the latest statistics, the university continues to rank among the top institutions in the “Top 100 Universities for Invention Patent Applications,” with 69 invention patent applications in the year, demonstrating strong applied research capabilities and technology transfer potential. Through industry–academia collaboration, NCUT continues to introduce innovative research outcomes into the machine tool, precision machining, and manufacturing supply chains, helping industries enhance their technological capacity and competitiveness.

In terms of international competitiveness, NCUT has achieved outstanding results in recent years. In the 2026 Times Higher Education Interdisciplinary Science Rankings, NCUT ranked 9th in Taiwan and 2nd among universities of technology. It also ranked 309th in Asia in the QS Asia University Rankings, placing 3rd among Taiwan’s universities of technology. These achievements reflect the university’s strengths in teaching quality, research integration, interdisciplinary innovation, and industry collaboration.

In talent development, NCUT follows its core educational philosophy of cultivating students with both professional competence and practical ability, building a talent training model closely aligned with industry needs. According to the 104 Job Bank evaluation, NCUT received 3rd place in the Central Taiwan Leadership Award and ranked 4th among national universities of technology in the “disciplinary employability” indicator, showing that its graduates possess strong job readiness and high industry adaptability.

Located at the heart of Taichung’s precision machinery industry, NCUT will continue to deepen cooperation with machine tool, smart manufacturing, and precision machining enterprises. Looking ahead, the university will further integrate AI, digital transformation, and green manufacturing technologies, working with industry partners to advance Taiwan’s machine tool industry toward a new era of smart manufacturing and high-end upgrading.

NCUT Hosts AI Smart Manufacturing Forum, Connecting 17 Companies to Showcase Industry–Academia Collaboration

To promote the practical application of artificial intelligence in the precision machinery industry, the Department of Artificial Intelligence Application Engineering at NCUT held the “AI Smart Manufacturing Technology Forum” on April 22. The forum brought together representatives from industry and academia to share the latest achievements and practical experiences in smart manufacturing, with a focus on AI applications and PLC optimization control.

A total of 17 companies participated, covering a complete industry chain from core components and automation equipment to digital cloud platforms. Seven companies, including Huiwen Technology, Zhisheng Technology, Shuangxiang Trading, Mitsubishi Electric Automation Taiwan, Chuanhai Management Consulting, Shengzhu Automation Machinery, and Gengyun Technology, were invited to deliver presentations and technology demonstrations. Their topics included smart manufacturing, automated inspection, robotics applications, and data analysis.

In addition, ten companies, including Yuhwa Technology, Siliconware Precision Industries, Aiwei Technology, GIN Chan Machinery, Yousheng Laser, Yuan Zheng Enterprise, Yulong Technology, Yigao Industry, Dah Lih Evergreen Machinery, and Songpu Technology Engineering, joined technical exchanges to discuss practical experience and future trends in applying AI to manufacturing sites.

Liu Chuan-kang, Chair of the Department, said the forum allowed students to directly learn about the latest industrial technologies and R&D results. He noted that industry feedback will help the department improve its curriculum and better align teaching with market needs. The department is also building industry-oriented equipment and learning environments to strengthen students’ practical skills.

NCUT stated that it will continue deepening cooperation with industry, promoting AI applications in manufacturing, and building an innovation ecosystem that supports Taiwan’s smart manufacturing development.

NCUT Echinacea Club Visits Narconon Yunlin Real-Life Stories Deepen Campus Anti-Drug Education

To strengthen education on the prevention of drug abuse on campus, National Chin-Yi University of Technology (NCUT) recently organized an in-depth visit to Narconon Yunlin Rehabilitation Center. Led by Instructor Chou, a total of 41 students from the Echinacea Club participated in the visit, gaining a deeper understanding of drug prevention through on-site observation and personal stories shared by recovering participants.

The activity broke away from the traditional lecture-based format. Instead, recovering participants personally served as tour leaders, guiding NCUT students through the rehabilitation environment and introducing the work of drug detection dogs. Through face-to-face interaction, students witnessed the serious impact of drug abuse on individuals, families, and daily life. The experience transformed anti-drug education from a slogan into a powerful lesson in life education.

During the visit, one recovering participant, Xiao-Shen, bravely shared his past experiences. He recalled that drug abuse once caused his life to spiral out of control. He had gone several days without sleep and was once rushed to the hospital after consuming a large number of drug-laced coffee packets. He also experienced severe physical reactions after using harmful drug-laced vape products. Xiao-Shen said that he once ignored his family’s advice and rarely spoke to them, but after seeing his father’s tears, he finally realized the harm he had caused and made up his mind to change. He said that only after becoming clear-headed did he truly understand the value of freedom and happiness.

Another 32-year-old participant, Ah-Hong, also shared his story as someone who had been through drug addiction. He said he first tried amphetamines at the age of 17, mistakenly believing they could improve his work efficiency. Instead, they led to physical exhaustion, mental emptiness, and a loss of control over his life. He solemnly reminded students, “When you think you can control drugs, that is exactly when drugs begin to control you.” His heartfelt words deeply moved the students and received warm applause.

Many students said the visit was a powerful and meaningful anti-drug experience. Compared with ordinary lectures, the recovering participants’ willingness to face their past mistakes and make real changes was far more persuasive, helping students understand the dangers of drugs and the importance of making the right life choices.At the end of the activity, participants from the center joined the students and teachers for lunch and continued their conversations in a warm and sincere atmosphere. The Executive Director of Narconon Yunlin expressed appreciation to NCUT students and faculty for visiting the center with openness and understanding. He also affirmed that by sharing their stories, the recovering participants not only helped themselves move forward, but may also help many young people and families stay away from drugs.

NCUT stated that it will continue to promote anti-drug education through the Echinacea Club, life education programs, and off-campus visits. The university hopes to strengthen students’ awareness of the dangers of drug abuse, cultivate sound values and self-protection skills, and work together to build a healthy, safe, and supportive campus environment.

NCUT 2026 Campus Job Fair Opens

Dreams Set Sail

Connects AI Talent Development with the Future of Industry

NCUT held its 2026 Campus Job Fair, “Dreams Set Sail,” on April 29 from 11:00 a.m. to 3:00 p.m. at the Second Motorcycle Parking Lot. The event brought together 90 quality enterprises and offered 3,150 job opportunities, helping students connect with employers and prepare for graduation-to-employment transition.

As global industries move toward smart manufacturing, net-zero transformation, and AI applications, Taiwan’s demand for talent in artificial intelligence, semiconductors, automation control, and smart machinery continues to grow. NCUT has long focused on engineering, electrical and computer engineering, and smart manufacturing, cultivating job-ready AI and technology professionals through curriculum upgrades, practical training facilities, and industry–academia collaboration.

Huang Mei-ling, Director of the Office of Research and Development, said NCUT organizes a campus job fair every year during graduation season to invite leading domestic companies to recruit on campus. She noted that due to limited venue space, this year’s fair selected 90 companies recommended by the university’s five colleges and reviewed through a screening process, aiming to meet the employment needs of students from different fields.

Participating companies included Largan Precision, Siliconware Precision Industries, Mitsubishi Chemical Taiwan, Hsu Tung Machinery, HIWIN Technologies, Yeong Chin Machinery Industries, Panasonic Taiwan, Tatung, Sigurd Microelectronics, and An-Shin Food Services, covering semiconductors, optoelectronics, precision machinery, smart manufacturing, electronics, and service industries.

Huang also encouraged first-, second-, and third-year students to join the event early, so they can better understand industry trends and plan their coursework and career development. The fair also featured employment guidance and a lucky draw, encouraging students to actively engage with employers and explore future career opportunities.

NCUT Department of Cultural and Creative Industries Opens Faculty–Student Exhibition Revitalizing Local Faith through Creative Works Inspired by Tudigong Culture

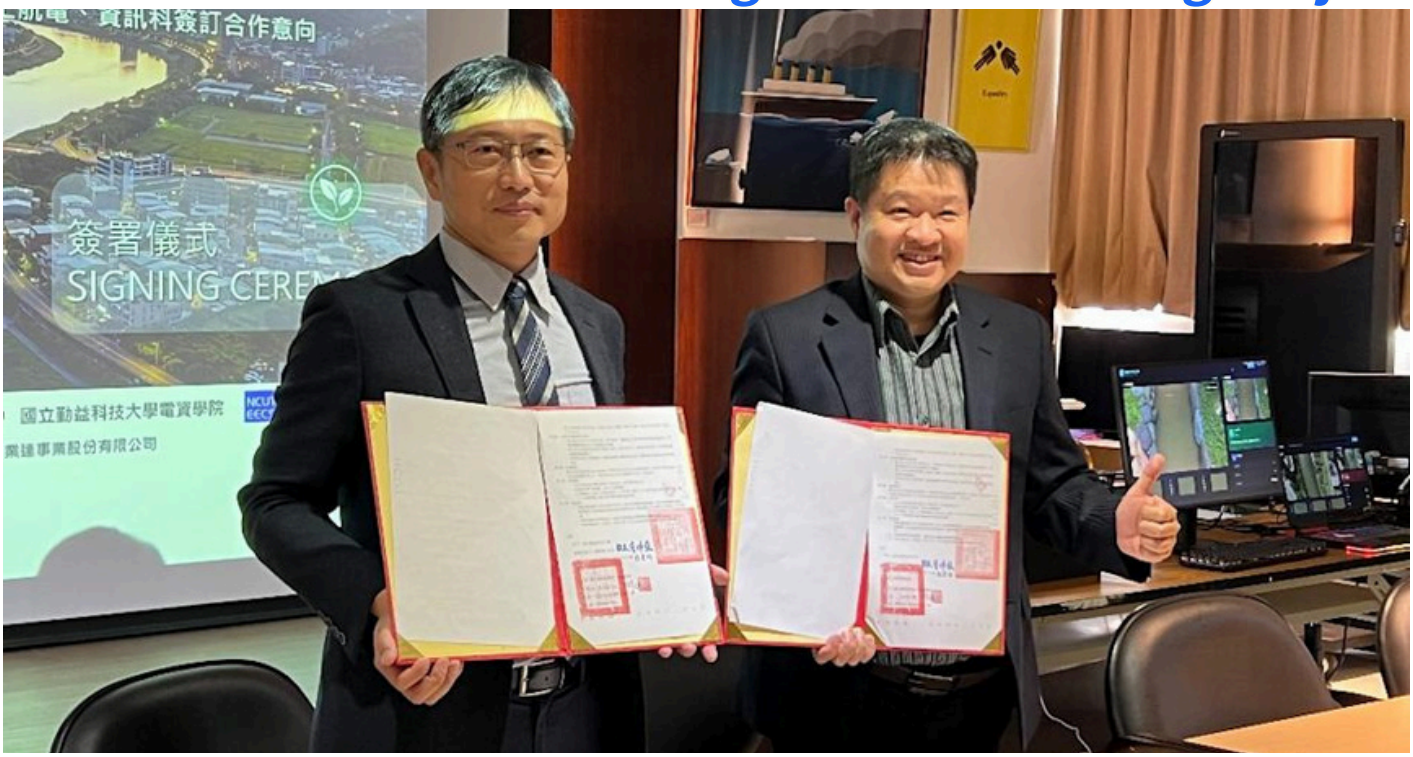
The Department of Cultural and Creative Industries at NCUT opened its “2026 Faculty–Student Joint Creative Exhibition” on April 30 at the Art Center on the first floor of the Machine Tool Building. Running until May 15, the exhibition is guided by Professor Chen Wei-han and centers on Tudigong, Taiwan’s widely worshipped Earth God. Through cultural product design and advertising creation, students reinterpret local faith and traditional culture with fresh perspectives.

Professor Chen said Tudigong temples are closely connected with daily life in communities across Taiwan. Therefore, the exhibition encourages students to develop creative ideas from everyday themes such as food, clothing, housing, and transportation. After research, planning, and design development, students produced a variety of works, including tea bags, cookies, picnic mats, and AI-assisted advertising designs, showing the creative potential of combining culture and technology. Chen also noted that Xizhou Village in Shengang, Taichung, has 26 Tudigong temples, and he hopes to bring students’ works to local temples in the future, allowing the creations to return to the spaces of faith and community life.

The exhibition presents diverse works, from local storytelling and religious symbol transformation to cultural products and advertising proposals. Among them, second-year student Chen Ting-yu designed Tudigong-themed tea bags in four flavors—sour, sweet, bitter, and spicy—using fruit and floral teas. She said the flavors represent the many tastes of life, and jokingly added that she hopes Tudigong will remember to bless them after tasting the unforgettable tea.

NCUT stated that cultural creativity is not only design expression, but also an important medium for cultural inheritance. Through this exhibition, the university demonstrates its commitment to cultural sustainability, local revitalization, and interdisciplinary design education.

AI-Powered Real-Time Analysis: Keelung Commercial & Industrial Vocational Senior High School and NCUT Unveil Drone-Based Keelung River Monitoring Project



National Keelung Commercial & Industrial Vocational Senior High School and NCUT have signed a letter of intent to jointly promote the “Keelung River Drone-Based Smart Monitoring Demonstration Project.” A results presentation was held today (27th), showcasing how drone inspections and artificial intelligence recognition can improve the efficiency of river monitoring.

Last year, the Keelung River was affected by wastewater discharge pollution, impacting the water supply of more than 140,000 households in Keelung City and Xizhi District, New Taipei City. At today’s presentation, a “Demo Exhibition Area” was set up to simulate the discharge of polluted liquid. The AI system demonstrated real-time detection of abnormal conditions and connected with drones to showcase an automated sampling process.

Tsai Tsung-ho, a teacher from the Department of Avionics at Keelung Commercial & Industrial Vocational Senior High School, said the team has initially completed 3D modeling of a 100-meter section of the Keelung River centered around Dahua Bridge in Qidu District, Keelung. He hopes the project can continue, with priority given to completing modeling of the Keelung River within Keelung City. He also expressed hope that the Keelung City Government will provide resources and cooperate on the project, with the goal of transferring the technology to the city government or relevant agencies in the future to reduce manpower needed for river patrols.

Principal Lin Tzu-chien of Keelung Commercial & Industrial Vocational Senior High School said the school’s Department of Avionics has long focused on unmanned vehicle applications, helping students develop smart application skills and interdisciplinary integration abilities. This collaboration with NCUT’s College of Electrical Engineering and Computer Science not only broadens students’ understanding of smart technology applications, but also further implements the spirit of technical and vocational education and University Social Responsibility (USR).

Cheng Jung-hsiang, Dean of NCUT’s College of Electrical Engineering and Computer Science, noted that this project combines Keelung’s local field environment with smart technology applications, serving as a concrete example of University Social Responsibility. Through cross-school collaboration, the project not only promotes the sharing of educational resources, but also lays a strong foundation for future development in smart cities, environmental sustainability, and technology-based governance.