



國立勤益科技大學
NCUT
NATIONAL CHIN-YI UNIVERSITY OF TECHNOLOGY

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[SDGs 5] Gender Equality

[5.6.6] Does your university as a body have women’s mentoring schemes, in which at least 10% of female students participate?

NCUT’s Women’s Mentoring Schemes

NCUT is strongly committed to gender equality and the empowerment of women in education, particularly in science, technology, engineering, and mathematics (STEM). The university has developed structured mentoring, educational, and awareness programs that ensure at least 10% of female students participate annually in activities aimed at developing academic potential, professional confidence, and leadership in fields where women are traditionally underrepresented.

1. National Context: Taiwan’s Support for Women in Science

In 2017, Taiwan officially designated February 11 as the International Day for Women and Girls in Science, echoing the United Nations’ advocacy for gender equity in STEM. The Ministry of Education (MOE) has since coordinated with universities—including NCUT—to promote women’s scientific participation, address gender imbalance, and celebrate women’s achievements in science and technology.

The Taiwan Female Scientists Award, established in 2008, further supports this goal by recognizing outstanding female researchers and encouraging younger generations to pursue careers in science. NCUT’s women’s mentoring programs operate within this national framework to strengthen gender equality in higher education.

2. NCUT’s Women’s Mentoring and Empowerment Initiatives

A. Women’s Science Day Study Camp

- Organized annually by NCUT’s College of Engineering and Gender Equality Education Committee.
- Designed for high school and vocational school female students.
- Activities include laboratory tours, hands-on experiments, scientific demonstrations, and one-on-one mentoring by NCUT’s female professors and graduate students.
- Goal: To inspire interest in science, enhance confidence, and create long-term mentor–mentee relationships for academic and career guidance.

B. Women’s Film Festival and Gender Dialogue Workshops

- Co-organized by the Student Affairs Office and the Center for General Education.



- Features films highlighting women’s experiences in science, workplace challenges, and social roles.
- Post-screening discussions guide participants in reflecting on equality, emotional intelligence, and self-awareness.
- Purpose: To foster empathy and critical thinking on gender stereotypes and promote inclusive campus culture.

C. Emotional Lecture Series on Gender Equality

- Regular campus lectures covering topics such as:
 - Gender Equality Education Act
 - Workplace discrimination and harassment prevention
 - Gender diversity in digital and professional spaces
- Expert speakers include gender studies professors, legal experts, and NGO representatives.
- Focus: Strengthen understanding of gender rights and equip students with real-world strategies for equitable participation in the workforce.

D. Mentoring and Counseling Sessions (2022–2024)

- Five large-scale guidance sessions organized across 60 classes, with 608 students participating.
- Facilitated by counseling specialists, student mentors, and gender-equality educators.
- Integrated with career counseling, emotional health, and gender-awareness programs.
- Objective: To build holistic support networks for women’s personal and professional development.

3. Impact and Achievements

Category	Details
Female Student Participation	Over 10% of NCUT’s female students participate in mentoring or gender-related programs annually.
STEM Enrollment Growth	Noticeable increase in female enrollment in engineering and information technology departments.
Outreach Impact	Collaboration with local high schools expands the reach of gender equality education.

Leadership Outcomes	Women participants increasingly take leadership roles in campus clubs, research teams, and competitions.
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Qualitative Impacts

- Female students report improved confidence, communication, and leadership skills.
- Increased awareness among male students on gender equality and respectful collaboration.
- Strengthened academic–community linkages promoting women’s visibility in STEM innovation.

4. Institutional Support and Governance

NCUT’s women’s mentoring initiatives are coordinated through the **Gender Equality Education Committee**, which operates under the Office of Academic Affairs. Annual program budgets are allocated for lectures, workshops, and exchange activities. Data collection and evaluation are managed through participation surveys, ensuring that objectives are measurable and transparent. Faculty mentors are trained to provide guidance in research, internships, and career development, forming a structured mentoring network across departments.

5. Long-Term Commitment and SDG Alignment

NCUT’s women’s mentoring schemes directly contribute to the following Sustainable Development Goals (SDGs):

SDG Target	Contribution by NCUT
SDG 5.1 – End all forms of discrimination against women and girls	Enforced through NCUT’s gender-equality policies, lectures, and non-discrimination mechanisms.
SDG 5.5 – Ensure full participation of women in leadership and decision-making	Mentorship programs promote female leadership roles in academic and extracurricular settings.
SDG 4.3 – Ensure equal access to quality education for all	Inclusive learning and mentoring opportunities for women from all disciplines.

NCUT aims to strengthen mentorship networks through interdisciplinary collaboration, expand partnerships with industries that support women in STEM, and develop new mentoring frameworks that prepare female students for global sustainability leadership.

Through its structured mentoring programs, public engagement initiatives, and gender equality policies, NCUT demonstrates leadership in advancing women’s participation in education and science. By ensuring that more than 10% of female students engage annually in mentorship and

empowerment activities, NCUT not only fulfills SDG 5 but also builds a model of inclusive excellence in technical and higher education — nurturing women to become key contributors to innovation, sustainability, and societal transformation.

113年女性科學暨創藝手作營

鼓勵更多女性參與科學
促進女性在科學領域的平等發展

時間：
113年11月16日(週六)
09:00-17:00

地點：
國立勤益科技大學
勤益學舍 B1明秀講堂

活動對象：
全國高中-大專校院學生

主辦單位： 國立勤益科技大學通識教育學院
科普中心
補助： 教育部高教深耕計畫



B. Gender-Friendly Programs

(A) Promoting Cross-Gender and Interdisciplinary Programs

To encourage students at NCUT to enroll in interdisciplinary credit programs offered by various departments, fostering students' expertise in cross-disciplinary fields to enhance their competitiveness in the job market, NCUT has established the Incentive Measures for Enrolling in Interdisciplinary Programs. In response to the Ministry of Education's initiative to create a gender-friendly interdisciplinary learning environment, this program aims to address gender segregation in traditional academic disciplines, providing women with more opportunities to enroll in courses in fields traditionally dominated by men, and vice versa. A subsidy of NT\$1,000 per program is also offered to each student as an incentive to promote a more inclusive, cross-disciplinary, and gender-friendly campus.

(B) STEM Fields and Female R&D Talent Development Program

This program leverages the industrial advantages of the central region, engaging precision machinery and machine tool equipment manufacturers directly in discussions to address corporate challenges. In collaboration with STEM-related disciplines and sustainable development issues, the program integrates industry 4.0, AI, IoT, and other relevant research and courses from various departments within the College of Management. Emphasizing applications such as smart manufacturing and information application, the program's development direction is structured around these fields to address industrial needs and challenges faced by participating in precision machinery and machine tool equipment manufacturers. Action plans are formulated to tackle these challenges. Through industry-university projects, master's theses, and special university department topics, students are guided to utilize problem-based learning (PBL) to explore and solve corporate issues. The program also aims to develop talent proficient in smart manufacturing and information application management, contributing to increased industrial value. It also encourages females to invest in the precision machinery industry, thereby enhancing international competitiveness.



▲ Interaction in class