

# 04

## QUALITY EDUCATION

### Research

#### **Supporting Hidden Disadvantaged Students**

Professor Jiun-Yu Wu of the NYCU Institute of Education analyzed NYCU's school data to establish a risk level prediction model, hoping to uncover hidden disadvantaged students that need assistance but do not receive any aid. Research showed that although NYCU had channels that allow all truly disadvantaged students to receive aid from the Ministry of Education, over half of the hidden disadvantaged students did not seek the financial aid. These students get similar grades as the average students, but they are disproportionately more likely to receive a mid-semester warning grade. The research team presented their findings to the University so they can improve the aid programs for disadvantaged students to ensure that all students can study at ease.

#### **Responsible Internet Usage: 2020 Survey on the Online Behavior of Taiwan's Elementary and Junior High School Students**

A team of researchers led by Professor Chien Chou of NYCU's Institute of Education surveyed 6,476 elementary school, junior high, and high school students to learn about students' Internet usage and online behavior. Research showed that 2.6% of elementary school students, 2.0% of junior high school students, and 1.4% of high school students showed signs of Internet addiction. "Using social media," "watching videos," "using instant messaging," and "playing online games" are some of the most common online activities of students addicted to the Internet. Compared to average students, these students underperform in terms of learning management skills and self-management skills. This shows that Internet addiction has negative impacts on the academic and health of adolescents and children that cannot be ignored. The findings of this survey provide a look at Internet addiction among students in Taiwan for schools and governmental institutions.



427  
Course Units

## Social Impact

### Reinforcing Rural Education

Students in the Hsiung Project and Schweitzer Project organize educational activities for students in remote areas of Taiwan. These activities include math classes, science experiments, team games, and sporting events. Schools in remote areas often lack teachers and teaching resources. NYCU's volunteer groups visit these areas, assisting students to learn with joy, expand their horizons, and discover the opportunities that education can bring.

### Jullay International Volunteer Team Continues its Volunteer Service Despite the Pandemic

NYCU's "Jullay International Volunteer Team" stationed in India has provided volunteer services in India's Ladakh region for 11 years. Every year, volunteers visit local schools to teach digital technology, science, and English classes to support the local schoolchildren and share educational resources. Due to the pandemic, Jullay volunteers were unable to go to the region in person this year, however they still prepared online learning materials for the schoolchildren, so that the pandemic did not interrupt their education.



## Innovative Use of Gravity Sensors to Improve the Physical Fitness of Sunshine Elementary School Students

NYCU's USR Project collaborated with "Sunshine Elementary School" to incorporate gravity sensors in PE classes. More than twenty 6th grade students participated in this experiment, which tested the connection between students' vertical jump performance and their health, and used these two factors to formulate training courses that will help improve their physical fitness. This allowed students to clearly see their improvement. The project also encourages students to take interest in programming languages and improve their technological innovation and application skills!



14146  
Students who chose the Course Units

## Student Cultivation

### Safe Remote Learning During the Pandemic

In 2013, the University established "ewant," the largest open online extramural education platform in Taiwan. Currently, 97 universities have signed on to the platform, providing 830 courses to 53,942 registered users in 2020 with a total of 156,392 class registrations. In recent years, the platform has begun adding online high school courses, with over 57 high schools signing on with NYCU. In 2020, the platform began hosting dual-instructor courses with 196 courses, introducing the sample teaching resources of universities to high schools.



148  
Publications in SCOPUS

## Applying Lessons Learned to Promote On and Off-Campus Professional Training

"The Continuing Education Center" regularly organizes different courses. In particular, the Business English course allows working individuals to better their English proficiency and international vision while the Hacker College trains information security personnel to improve their information security skills. The Technology Management and Research Center for Blockchain and the Ministry of Labor teamed up to launch the "Industry New Elites Pilot Program," which encourages young people interested in the digital information industry to learn about the prospects of the industry, providing On and Off-Campus participants with opportunities to further their professional skills and get the latest information on the industry through workshops and research presentations.

## Non-stop Online Academic Exchanges

NYCU holds international seminars, lectures, and events where local and foreign scholars can exchange ideas with students. In 2020, the University organized 14 events, including four with real-time online conferences. Notably, the 15th Taiwan e-Learning Forum was hosted as an online conference due to the increased severity of the Covid-19 pandemic. It was the first forum of its kind to be hosted online at NYCU, allowing academic exchanges to go on as planned.



3.9%  
Percentage of All Taiwan Publications

## Stewardship

### Library Promotion Program

Since 2019, the library promotion program has regularly organized art and cultural exhibitions, film viewings, and film/music listening zones on top of recommending new books, technologies, seminars, information on academic associations, and free online courses. In 2020, the program organized a total of 28 events as well as showing 92 movies on campus.

### Art Festival

Since 2000, the NYCU Arts Center has regularly organized art festivals, literature exhibitions, and photography exhibitions. The center also invites exceptional local and foreign artists and groups to hold exhibitions, performances, or lectures on campus. In 2020, the center organized a total of 57 events.