



Opened in May







Taipei Tech Distance Learning Center Opened in May



University social responsibility is always one of our top priorities at Taipei Tech. Cooperating with social welfare institutions, in 2008, Taipei Tech students started to teach disadvantaged children in Taipei and New Taipei City. On average, more than one hundred children have benefited from this service-learning program each year. In 2015, we expanded the program by promoting distance learning. So far, 306 students have participated in the distance learning program. The inauguration ceremony of the Taipei Tech Distance Learning Center was held on May 10, 2018. With the help of Taipei Tech college students, children living in remote areas are developing a deeper knowledge in subjects such as mathematics and English. Moreover, their learning motivation has increased. The seven elementary schools and junior high schools participating in the program are located in Taoyuan City, Miaoli City, Pingtung City, and Taitung County.

Rotary International donated the computers and camera systems that are essential for distance learning. The equipment, worth \$64,500, is expected to help both teachers and students to provide better learning quality.

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Huang Yu-Peng, a senior student from the Department of English, has been teaching children English in the program since her sophomore year. For four hours a week, Huang uses her passion and skills to help children in need. At the beginning, she felt frustrated because her student was shy and did not give her much feedback. But after the student's midterm exam, Huang found out that her student made huge improvements in her English test scores. Huang felt excited about her student's achievement, and she also learned a lot throughout the process about being a teacher. "I know better now about how can I contribute to the society," said Huang in an interview.



Taipei Tech Secretary General Prof. Su Cherng-Yuh noted that, in rural schools, many students struggle because of the high turnover rate for teaching faculty or because of dysfunctional family lives at home. Therefore, a stable consulting system is strongly needed. The newly opened Distance Learning Center at Taipei Tech is an attempt to improve insufficient teaching resources in those areas as well as to provide a place where children can feel the warm care of conscientious university students.

Taipei Tech Commencement 2018

This year, 2018, 4,102 Taipei Tech graduates are moving on to the next step in their journeys. During the commencement ceremonies on June 9, the atmosphere in Chiang Kai-Shek Memorial Hall was cheerful all day long. Graduates were surrounded by their families and friends, all offering their blessings.

Prof. Ruey-Tsair Wang was granted an honorary doctorate from Taipei Tech during the ceremony. Prof. Wang served 60 years at Taipei Tech and taught more than 10,000 students. Many of his students have been successful in the technology industry, including Tse-Hsien Tung, Chairman of the Board and Group Chief Executive Officer in Pegatron Corporation; Mao-Kuei Lin, Vice President and CEO of the Chicony; and Yin-Fu Ye, Chairman of the EVERLIGHT Electronics. Prof. Wang is also an alumnus of Taipei Tech, having graduated in 1960. Not only did he dedicate his life to teaching and research, he also cares a great deal about maintaining connections among Taipei Tech graduates; he built a database consisting of 120,000 alumni. Prof. Wang's honorary doctorate is a symbol of appreciation for his extraordinary dedication. Despite his many achievements, Prof Wang humbly finds his own success in his students' success.

Wang's kindnesses to students are well remembered. Pegatron Corporation Chairman Tung recalled that Prof. Wang used to settle students' bills for learning materials when students needed financial help. Tung noted that the flat world we are living in right now (Thomas Friedman) is filled with challenges and opportunities. Tung encouraged students to stay humble and never to stop learning. If they succeed in ten or twenty years, they should not forget to help out the younger generation.

President Sea-Fue Wang also addressed the graduates, hoping they will keep the following five principles in mind: First, he told them, don't be afraid of hardship in life. Second, don't aim high but achieve little. Third, don't be unsociable and distant. Fourth, don't be arrogant. Fifth, always "respect the heavens and love the people." Rather than judging success based on how well graduates do in business, graduates should remember that the real winners in life are those who can make others feel they are loved.



This year 4,102 Taipei Tech graduates moved on to the next step in their journeys. An Honorary Doctorate ceremony for Prof. Ruey-Tsair Wang, who served 60 years at Taipei Tech, was also held on June 9. President Sea-Fue Wang and Pegatron Chairman Tse-Hsien Tung gave graduates their blessings and advice.

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Design for a Better World

The 2018 graduation exhibition of the Department of Industrial Design started on May 16 at the Arts & Culture Center on campus. Sixty-five students presented their work, all created with the goal of improving people's lives. Some of the designs were distinguished by competitive awards such as the iF Design Awards and Golden Pin Design Awards. The students' work showed a lot of creativity; below, we highlight three that particularly grabbed our attention.

Brea-Ocean



"Ghost Fishing" refers to a problem caused by lost, dumped or abandoned fishing gears such as nets, long lines, and fish traps. Fish unintentionally caught by these manmade objects have no market value, and the dying fish attract more sea creatures which will get caught in that same net, therefore creating a vicious cycle. The cycle must be broken. However, it is a time-consuming and dangerous task for divers to clean up old, abandoned fishing gear. First, they must locate and cut the net manually. Second, in order to drag the net up, divers need to release oxygen from the same oxygen bottle which stores the air they use to breathe. To tackle the ghost fishing problem as well as to make the extraction process more efficient and safer, two students from the Department of Industrial Design, Xu Ya-jun and Song Wei-zhen, integrate an underwater booster and net collector in one device. Brea-Ocean's booster allows divers

to swim faster and easier. The searchlight attached to the device makes the searching process more efficient. After the net is cut, it can be collected using a vacuum, similar to the way in which vacuum machines collect trash. After collection, the bag in which the net is placed will be inflated and detached from the device. The bag will float on the sea, and people can collect the bags effortlessly. The design aims not only to save time but also to save lives under the sea.

Tyrannosaurus Baby Walker

Children love toys! But at different ages, they need different kinds of toys, not only for fun, but also to help them develop certain skills. For example, toddlers from the age of one might enjoy a baby push walker since they are learning how to walk. Children who are older than three years old will enjoy playing puzzle games to strengthen their creativity. Tyrannosaurus Baby Walker, designed by Taipei Tech students Su Ti-yu and Wong Wen-qian, is a push toy that has multiple functions and can play different roles during children's growing phases. For a twelvemonth-old or toddler, it can be an assistive device; for kids between twenty-four and thirty-six months, it can be a toy car to sit on; and for children who are three years old and above, it can be a teaching aid. Tyrannosaurus Baby Walker is in the shape of a dinosaur; dinosaurs are



loved by children according to the design team, who chose the animal after watching a parenting show. Toddlers can hold onto the dinosaur's tail as a handle while trying to take steps. The magnetic dinosaur body can be a board for magnet puzzles. Another interesting design element of the Tyrannosaurus Baby Walker is its dinosaur mouth. After putting a puzzle piece onto the dinosaur's tongue and moving a certain part on its body, the piece will fall into a box inside the dinosaur's body. By making cleaning up a fun thing to do, this special mechanism is expected to help children form the good habit of picking up toys after playing. The Tyrannosaurus Baby Walker can accompany kids for years and play an important role in their growing process.



Follow the Natural Power

Climate change and limited resources increase the need for the development of renewable energy. Although clean power comes in many forms such as solar, wind, geothermal, and tidal energy, power generation efficiency is still constrained by weather. For example, the amount of sunlight and the level of air flow will affect the electricity production efficiency. In order to overcome this barrier, Taipei Tech student Cai Wan-Lin designed a smart drone that carries solar panels and wind turbines for power generation. The drone will use existing weather forecasting systems and AI to decide the best location for energy generation. It can store the energy in its built-in battery. After being charged, the drone will return to charge stations that can be set up next to buildings providing household electricity use. Cai decided to do this design project after he found out some farmers in Taiwan will choose to build solar panels on their farm rather than to grow corps. But the unmovable solar panel will become a problem because it is hard to make use of the land when the weather is not ideal for power generation. Cai's design creates more flexibility and possibility for green energy collection.

Taipei Tech and Customs Administration signed MoU in May



The Taipei Tech Department of Cultural Vocation Development, established in 2011, provides students with a learning environment where they can develop their cultural literacy, harness digital tools, and learn to effectively manage projects. In May, Taipei Tech signed an MoU with the Customs Administration, Ministry of Finance, to jointly cultivate professionals in the museum industry. The two parties have the common goal of promoting the Customs Museum in

Dadaocheng, Taipei to the world. Special sessions, guided tours, guide training, and internships are expected to enrich students' theoretical background and practical experience.

Currently, most of the collections in the Customs Museum are in the Preventive Operation Section. Ivory tusk, controlled firearms and knives, and rhinoceros horn are all included in the interesting collections. The museum is planning to apply to join the International Association of Customs Museums (IACM) in the near future.

Taipei Tech's cooperation with the Customs Administration will create more opportunities for students to get practical experience in a museum. In addition to providing guided tours, student may also participate in setting up displays for exhibition.



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