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Awa

Awards and Commendation



The front side of "Come Play 3D Glasses" by Professor Chen Chien-yu

YunTech Achieves an Excellent Performance at the 2015 Invention, Innovation and Technology Exhibition!

The 26th Invention, Innovation and Technology Exhibition (ITEX) took place from May 21st to 23rd at the Kuala Lumpur Convention Centre, Malaysia. YunTech had 4 entries this year which won 2 silver and 2 copper medals.

The silver medal inventions are described below:

The invention, "Come Play 3D Glasses," was invented by students Lin Bo-shi, Lin Shien-chan, Wu Pei-jung and Chen Chun-en under the instruction of Professor Chen Chien-yu of the Department of Electronic Engineering. Different from the other glasses on the market, the 3D glasses adopt a prism and circular polaroid to reduce discomfort and blind spots caused while watching 3D television. The 3D glasses are not only a convenient technical gadget, but also a pair of glasses with a sense of design which make people wearing them more fashionable. People may wear "Come Play 3D Glasses" for their daytime and nighttime driving as well. It is no doubt that the 3D glasses are a high-functioning and intellectual gadget for entertaining usages and eye protection.



Photo of the "Optical Fluid-flow Velocity Sensing Apparatus and Method."

The other invention, "Optical Fluid-flow Velocity Sensing Apparatus and Method," was invented by student Shen Bin-li under the instruction of Professor Wang Jian-neng of the Department of Civil and Construction Engineering. Featuring the advantages of low cost, light weight, easy to produce, thin diameters, wide pass band, high flexibility, resistance to high temperature and radiation, corrosion stability and no more process and autocalytic plating for sensing elements, it is believed that this invention can be commercialized on the market easily and become popular in the industrial field.

Department of Digital Media Design is Unstoppable in Cultivating New Designers!

To meet the challenge of the government's emphasis on "Digital Content Industry" and "Cultural and Creative Industry" and to conform to the needs of professional elites for in both fields, the Department of Digital Media Design focuses on the three fundamental concepts for its curriculum. They are "Computer Animation Design," "Design for Interactive Games" and "Digital Value-Added Design." Moreover, students are encouraged to take part in design competitions to present their learning results.



Elite Designers Workshop

The product "Amazing Land" has been one of the top inventions in recent years. Under the instruction of Associate Professor Chang Teng-wen, student Wang Yi-ya invented the interactive toy for kids and parents. The invention won awards at The Invention & New Product Exposition (INPEX), the International Warsaw Invention Show, the Taipei International Invention Show & Technomart and has been chosen as one of the top 40 start-ups at the Innovation & Startups held by the Ministry of Science and Technology (R.O.C.) in 2015.

The goal of "Amazing Land" is to give users a fun time. This toy is for kids older than 4 years old as kids have to create and solve problems they meet while constructing the toy. Through solving problems, parents and kids can find solutions cooperatively and win achievements in the end. Moreover, kids can construct different scenes and stories with Lego bricks to train their creativity. The difficulties can be varied making the toy one that can be played by kids of different ages, thus helping kids develop their imagination. As a universal design (UD) product, this toy is also suitable for disabled kids. It is anticipated that the product can be commercialized and can be purchased in the market in 2016, and it is hoped that the toy can be sold all over the world to every kid. Student Wang Yi-ya does not only work on her graduate studies, but also acts as a stock holder of one design studio.

The other top product is, "Rebottle," invented by students Ting Pei-chi, Li Pei-chen and Su Bo-chia under the instructions of Assistant Professor Chang Wen-shan and Assistant Professor Chen Szu-tsung. "Rebottle" won the 2015 Young Pin Design Award and a gold medal at DC Competition held by the Industrial Development Bureau, Ministry of Economic Affairs (R.O.C.).



Student Wang Yi-ya and "Amazing Land."

The word Rebottle is the combination of "recycle" and "bottle." The aim of the product is to promote the concept of recycling and the environment. With the recycled PET bottles and help of design, an interactive display light box is produced. When people interact with the display light box, they can also learn the ideas and importance of recycling in a fun way.

The Department of Digital Design has cultivated elites for the industry efforts from faculty members and resources from YunTech and other fields. Culture, creativity and technology have been integrated into courses. In the belief that more digital elites can be cultivated with professional instruction and a multidisciplinary teaching and learning environment.



Academic Exchanges

Department of Business Administration Achieves a lot in the Masters of Administration in Marketing Program for Vietnamese students!

Led by Dean Chen Cheng-hsui of the College of Management and Chair Lai Chi-shiun of the Department of Business Administration, the Department of Business Administration has worked hard to broaden its global vision and increase its internationalization. Since March, 2015, the department has started to recruit students residing in Vietnam. The ceremony of the new semester for the first group of students took place on July 10th, 2015, in Building U2 at Vietnam Commerce University, Vietnam.



Ceremony held for the new semester.

Cooperating with Vietnam University of Commerce, Hanoi, the overseas Master of Business Administration in Marketing Program started from July, 2015. All courses are taught in English, and the students residing in Vietnam are people from all walks of life. After review and selection, 24 students were admitted and enrolled for the program.

The program is the first overseas program of the Department of Business Administration. It is hoped that the English teaching and international learning environment can create more diverse courses to attract Vietnamese students, thus serving as a method for Vietnamese students to pursue further education and enrich themselves.



(from the 2nd from the left to the 2nd from the right) Vice President Ngyuen from Vietnam Commercial University, Vietnam, Frank W. Y. Chen from Taipei Economic and Culture Office in Hanoi, Vietnam, Dean Chen of College of Management, YunTech and Vice Counselor Chen Yuren from Taipei Economic and Culture Office in Ho Chi Min, Vietnam are attending the ceremony.

YunTech Shows itself with its R&D Ability and Shines on Innovation and Business Startups!

YunTech has actively pushed forward innovation and business startups in recent years. The school trains faculty members and students to acquire related knowledge of business startups, to cultivate their entrepreneurship, and encourage them to take part in innovation and business startups competitions. The Innovation and Startups Competition was held by the Ministry of Science and Technology (R.O.C.) and partly funded by notable companies. For example, Acer Inc., TSMC, Industrial Bank of Taiwan, and Silicon Valley Multi-Dimensional Venture Partners sponsored the

competition. By taking part in the competition, the younger generation can transfer their creativity and innovative power to businesses. The competition which lasts from 2013 to 2017 is the one with the highest prize money in Taiwan. Taiwan's government has invested NT.50,000,000 and raised 24,000,000 from business enterprises. Both research institutes and universities are trying hard to win over the large prize money.



Photo of "The Innovation and Startups Competition," held by the Ministry of Science and Technology (R.O.C.)

Since 2013, 14 YunTech groups have won NT.7,270,000 in total with their efforts. In the year of 2015, the invention, "Smart Calibration," by the Department of Mechanical Engineering was honored with an award in the category of excellent performance in startups and was the 5th best invention in the first stage. Moreover, the team also won the prize money of NT.2,680,000. With the prize money, the team is planning on starting up a new business.

The invention, "Smart Calibration," was invented by students Huang Chi-hou, Chang Chin-hua, Shi Hongda and Huang Chen-lin under the instructions of Dr. Chang Chong-pin and Associate Professor Wang Chen Yung-cheng. Featuring ease of use and simplicity in constructing and adjusting, the automatic adjustment gauge saves 90% of time for construction. Also, the easy-to-set-up feature of the invention reduces the need to train users. With all the advantages mentioned, the invention provides calibration service depending on customers' needs and differences.



The research team of Associate Professor Wang Yungcheng introducing the invention, "Smart Calibration."

Light and Beauty! YunTech Signed an Agreement of Memorandum with Okayama Prefectural University in Japan, forming a New Alliance between Taiwan and Japan!

YunTech has signed a memorandum of agreement with several universities all over Japan. Led by Chancellor Tsuji Hideaki, 5 teaching faculties of Okayama Prefectural University visited YunTech and signed a memorandum of agreement at 11:11 on November 11th, 2015, at the International Hall, YunTech. The signing ceremony was hosted by President Hou Chunkan. Dean Lin Chun-wei of the Office of International Affairs, Dean Tsai Cho-liang of the Office of Students Affairs, Dean Tseng Shi-chang of the College of Engineering, Dean Lee Chang-franw of the College of Design and other faculty members were invited to witness the ceremony. The signing ceremony was a simple yet ceremonious occasion.

YunTech is the first university in Taiwan to sign a memorandum of agreement with Okayama Prefectural University. The design colleges of both universities had already signed a memorandum of agreement between each other on September, 2014. The two colleges cooperatively held the "2015 Visible Light Communications Workshop" from June 13th to 15th, 2015. Associate Professor Kodama Kumiko introduced light design which provided the chance for YunTech students to learn that light could not only be a tool for our life but also a new artistic material for the design field. Light medium is already an important material in technical art. From September 20th to 22nd, 2015, Dean Masayuki Morishita of the College of Design

from Okayama Prefectural University led 3 faculty members and 6 students in joining the workshop held by YunTech. Teaming up with 32 of YunTech's faculty members and students, the group enjoyed field trips in Douliu meant to observe the structures, colors, and so forth of famous buildings in the city before using what they observed to create real products. It could be seen that the collaboration between the two universities was great.



The two universities at the signing ceremony

Outstanding Performance

25 Years of Working on Teaching and Research, YunTech Makes Itself a Paradigm University!

To celebrate YunTech's 25th birthday, a series of activities, such as a fair, student clubs exhibition, organic food farmers market, idesign market for YunTech students and alumni, and a "one-day college student activity" for high school students were held from November 25th to November 28th in the year of 2015. The topic "25 Years of Working on Teaching and Research, YunTech Makes Itself a Paradigm University!" was chosen as the main concept of YunTech's 25th birthday. It is hoped that by being led by President Hou Chun-kan, YunTech can become an even more internationally famous and top university and



President Hou Chun-kan is delivering a speech at the press conference for university's 25th anniversary

be able to meet any kinds of challenges with its cr eativity.

Under the leaderships of the past presidents and President Hou, YunTech has become a flagship technical university in Taiwan with its years of hard work on industry-academia cooperation and design power. YunTech focuses both on practice and theory through the efforts of its 4 different colleges, namely, the colleges of Engineering, Management, Design and Humanities and Applied Sciences. The university's student population is approximately 10,000 and its alumni population is near 43,000.



President Hou is leading the guests to cut the cake at the 25th birthday celebration of YunTech

YunTech's outstanding performances and achievements are listed below:

- (1).All the 7 departments and 1 graduated school of the College of Engineering are accredited by the Institute of Engineering Education Taiwan (IEET). The College of Management is accredited by the Association to Advance Collegiate Schools of Business (AACSB) and Accreditation of Chinese Collegiate School of Business (ACCSB).
- (2). For the "Subsidy Directions for Developing Technological University Paradigms," YunTech received funding valued at NT 12,300,000.
- (3).In the category of the MOE Teaching Excellence Project, YunTech has been ranked the highest among all technological universities in Taiwan for the 10th consecutive year.
- (4).YunTech was granted the "Energy Saving Award" and "Excellent Award" by the Ministry of Economic Affairs (R.O.C.).
- (5). YunTech was ranked 74th among the top 100 universities across the Taiwan Strait according to a survey released by Shanghai Jiao Tong University.
- (6). YunTech was ranked 7th among other universities in the Asia area by Red Dot Award in 2015.

(7).YunTech's faculty members and students have won 55 gold medals, 50 silver, 23 bronze and 24 special awards at various national and international competitions, showcasing their world-class competitiveness.

Construction of Building for Industry and Academic Research!

Having received funding from the Ministry of Education (R.O.C.) under the category of "Subsidy Directions for Developing Technological University Paradigms," YunTech is establishing the Building for Industry and Academic Research in order to enable joint research and development of a sustainable form between the academia and industry. As a major part of "Project 2: Facilitate Joint Research and Development," the building is being built to serve as a bridge between the industry and universities in central Taiwan, including Miaoli, Taichung, Chanhua, Nantou, Yunlin, Chiayi and Tainan, and to assist faculty members and students of partner universities in having their awarded products commercialized and technology transferred. Furthermore, it is expected that the problems industry faces can be combined into courses, leading students to have practical experiences in solving business problems and absorb the trends of the industrial field.



President Hou (6th from left), Vice President Yang (6th from right), Vice President Huang (5th from right) and other guests at the ground-breaking ceremony for the anticipated Building for Industry and Academic Research.

The Building for Industry and Academic Research is being designed and supervised by Joe Shih Architects and constructed by Rong Shin Engineering Incorporation. The Construction and Planning Agency, Ministry of Interior (R.O.C.) is assisting YunTech in purchasing the required raw materials. The building is

expected to scale 8 floors from the ground up and to have 1 floor underground, and it is also being built by refined concrete. The total budget for the whole building is more than NT 410,000,000. The construction period began in August, 2015 and will last until June, 2017.

The building is being established so as to attain a closer link with e industry, achieve cultivation of the human resources of technological universities, and meet research needs. To maintain a high quality, YunTech is investing money on certain software and hardware while continually revising systems. The wide range of facilities that the building will afford users include: exhibition spaces, practice workshops, information and creative spaces, exchange lounge, Incubation Center for Academia-Industry Collaboration and Intellectual Property, human development resources room, startup business room for students, test center for commercialized products by research and development, product test center, equipment for stimulating the production line, platform for new businesses for technological universities in central Taiwan, parking lot and other public facilities.



President Hou is delivering a speech at the ground-breaking ceremony of Construction of Building for Industry and Academic Research,
YunTechl

YunTech Has an Outstanding Performance in a Massive Open Online Course!

Since 2014, the Ministry of Education (R.O.C.) has been promoting Massive Open Online Courses (MOOC). YunTech started made its application in the same year and 4 courses were approved. The 4 courses were "2D Animation," "Modern Applied Psychology," "Chemistry in Modern Life" and "Design for Revitalization." The number of approved courses was the top among technological universities in Taiwan in 2014. With past experiences and efforts on both course design and materials from multiple disciplines, all courses for 2015 applied in the categories of new and applied systems and were approved in the same year. The approved courses were "A Required Course for College Students: Emotion Education," "Philosophy in Civil Society" and "Fun Photography" which were open to the public at no charge.

Moreover, YunTech has developed multiple MOOCS application systems to improve already uploaded course clips and increase the population of viewers by cooperating with different partners. For example, the course "2D Animation" taught by Assistant Professor Chen Shi-chang and Assistant Professor Yang His-hsun of the Department of Digital Media Design could be watched on xuetang X by Beijing Tsinghua University, Mainland China. The system xuetang is the biggest MOOC platform for Chinese-speaking users. With the internet, the top courses of YunTech can be easily

conveyed to the Chinese-speaking world and the whole world as well.

Since opening, the course "2D Animation" has been attended by more than 4,000 viewers in just ten days. The final population of applicants was more than 10,000, showing that the public view this digital course of YunTech's as being of high quality.

The other course, "Modern Applied Psychology," taught by Associate Professor Liu Wei-te of Graduate School of Technological and Vocational Education could be watched on CNMOOC by Shanghai Jiao Tong University, Mainland China. Since its opening, the course has been selected as a course with credit hours by 2,600 students at 15 key universities in Mainland China. If counted with students who were only interested in the course rather than took it as a course with credit hours, there were roughly 4,000 viewers.



Instructors of courses in the categories of new and applied systems. The courses were ready to open!



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