

## DTU Gains Significant Achievements in National and International Competitions

DTU has been attracting a great many students from Vietnam and other countries in Southeast Asia for many years. Over the years, DTU has trained outstanding students and has set down many remarkable achievements in national and international contests.

### \* CDIO Academy, Champions over the years



*DTU students win a 2013 CDIO Academy award held at Harvard University and MIT, America*

The 2013 CDIO Academy award, held at Harvard University and the Massachusetts Institute of Technology in the US, was the first in a series of DTU victories, where Vo Truong Hoang Linh and Nguyen The Quynh Nhi outmatched 31 teams from Canada, France, Russia, Sweden, Denmark and others, to win first prizes in the Basic and Advanced project categories, with their project entitled “A Low-Cost, Do-It-Yourself Water-Filtering System for Farmers”. Another project, “Solar and Battery-Powered Alphabet Blocks”, developed by a combined team of DTU and Singapore Polytechnic students, won second prize.

Later, in 2016, Ton That Binh was a member of the winning team at the CDIO Academy in Finland, Le Dinh Nhat Khanh and his team won at the 2017 CDIO Academy in Canada and Le Quang Thanh at the 2018 CDIO Academy in Japan.

**\* IDEERS Champions**



*IDEERS DTU winners in 2014*

At the 14th IDEERS event, in Taiwan in 2014, DTU was the only Vietnamese representative and beat other contestants from countries with long-time traditions in earthquake research with their “Earthquake-resistant buildings design” project. The DTU team confirmed its strength when it broke the previous IDEERS contest record, with a total of 139 points. The National Taiwan University of Science and Technology came second, 14 points behind and DTU continued to build on this success with several third and consolation prizes in the following years.

**\* Women in Business Award at the 2018 Go Green in the City finals**



*Doan Thi Thu Ha (left) and Nguyen Thi Thanh received the Women in Business Award in the US*

After winning the National “Go Green in The City” competition in July 2018 and a second prize in the 2018 Go Green in the City East Asia regional finals in August 2018, Doan Thi Thu Ha and Nguyen Thi Thanh traveled to the finals in Atlanta with their “Braking system to convert friction into electrical energy” project. They competed with teams from the US, China, Germany, Algeria, Indonesia, Brazil, India, Spain and Canada and won the Women in Business Award, one of the three most prestigious prizes in the contest. The award recognized the intelligence and creativity of the two young women and helped promote gender equality in technology and engineering in Vietnam and globally.

**\* A first place in CTF time and third prize in the national information security contest**



*DTU students won a third prize at the 2019 ASEAN Student Information Security contest*

The 2018 ISITDTU CTF team had already won several major big prizes in other online information security contests beforehand and took first place in Vietnam and 61st in the world in the CTFtime ranking of 2018.

Since 2015, DTU students have won first prizes at the Central Vietnam Student Information Security contest primaries. In the finals of the 2019 ASEAN Student Information Security contest, the DTU team won third prize and outshone teams from the Academy of Cryptography Techniques, the Hanoi University of Science & Technology and the People's Security Academy, as well as teams from Thailand, Singapore and Myanmar.

**\* Medical 3D application wins first prize at Vietnam Talent and Sao Khue Awards**



*PM Nguyen Xuan Phuc awarding the first prize in IT to the DTU group*

In 2017, PM Nguyen Xuan Phuc awarded DTU researchers a first prize in IT for their project entitled “3D Virtual Reality Technology to Simulate the Human Body for Health Science Education and Research” at the 2017 Vietnam Talent Awards, which also won a Sao Khue Award from the Vietnam Software and IT Services Association.

The work portrays an almost complete 3D model of human systems and organs, by visualizing each organ and its specific anatomical details. The user can interact directly by rotating, hiding, displaying, moving, marking and animating movement, using a 3D projector, 3D glasses or virtual reality (VR) glasses. The product was highly appreciated for its practical effectiveness in health sciences education at universities.

#### **\* Eureka Research Prize**

After a remarkable performance in the finals of the 2018 Eureka Student Research Prize, Le Van Thang, from the Tourism Culture major in Humanities & Social Sciences won a third prize. He outscored 14 other social sciences and humanities research projects with his submission “Quang Regional Rivers and Sea Folk Songs from a Neocritical Point of View”, based on traditional folk songs, reinterpreted to focus on ecocriticism.

#### **\* Loa Thanh prize**



*Dr Nguyen The Duong, Dean of the DTU Faculty of Civil Engineering, with the students winning a second prize at the 2014 Loa Thanh prize*

Loa Thanh is a prestigious prize for student graduation projects in Architecture and Civil Engineering. Engineers participate from prestigious universities nationwide and, in 2010, Dang Xuan Nam from DTU won first prize, followed by several second and third prizes between 2013 and 2019.

One of the first things that the judges look for is good drawing skills, in addition to meeting the general criteria of knowledge synthesis and scientific, practical and esthetic capabilities. DTU students also demonstrated humanistic values with the ability to create overall beauty in their projects. This difference allows DTU students to win big prizes.

#### **\* Architecture Festival**

The national Architecture Festival is jointly organized biennially by the Association of Vietnamese Architects and Vietnamese universities offering architecture education. At the 2018 festival, DTU was the only representative from Central Vietnam and ended on the list of universities with the highest achievements:

- First prize in Art awarded to Group 2, with project “Switch”
- First prize in Photography to Group 18, with “Vertical axis of heritage”
- One second, one third and one consolation prize in the Quick Design A round
- One second and one consolation prize in the Quick Design B round

At the 2016 Architecture Festival, DTU students previously won one first, six second, six third and one “lucky” prize. For the achievements of DTU lecturers and students of Architecture over the years, the Association of Vietnamese Architects and the National Architect Training Club awarded the university rotating banners to host the national Student Architecture Festival in 2020.

DTU students have gained many impressive achievements in national and international contests, which showcases the quality of the training the university offers. DTU ranked among Asia's top 500 universities in 2020 by QS; third of four in Vietnam (1,854th in the top 2,000 universities worldwide) by CWUR; second out of ten universities leading by international publication quality in Engineering, Natural Sciences, and life sciences in Vietnam according to the 2019 Nature Index (after only the Vietnam Academy of Science & Technology) and sixth of Vietnam by university research output in the 2020 SCImago ranking; third of eight in Vietnam (1,147th in the top 2,500 universities worldwide) by URAP (University Ranking by Academic Performance).

DTU is a smart choice to entrust your future and the development of your abilities when enrolling for university.

*(Media Center)*