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CommTECH Camp Insight 2020
HCMC University of Technology Vietnam

ITS in 3rd Place of Webometrics 2021

Institut Teknologi Sepuluh Nopember (ITS) earned a spot in the top 3 Indonesian universities in Webometrics 2021. In the wider scope, ITS has been ranked 21 in Southeast Asia and 1103 in the world. Webometrics is one of the prominent university ranking systems to measure, determine, and assess advancement or progress among all the best universities in the world. The Webometrics Ranking is published twice a year. The announcement is made in January and July. Webometrics uses both webometric and bibliometric indicators because it aims to rank universities, not the website of universities.

The current methodology used three indicators to evaluate the university performance, i.e., visibility, transparency (openness), and excellence. The indicator of presence has been discontinued. Visibility, transparency, and excellence are weighted 50%, 10%, and 40% respectively. The visibility indicator represents the number of external networks (subnets) linking to the institution's web pages (normalized and then the maximum value is chosen). Transparency (openness) is evaluated through the number of citations from the Top 210 authors (excl. top 20 outliers). The third indicator, excellence, represents the number of papers amongst the top 10% most cited in each one of all 27 disciplines of the full database, using a five-year period.

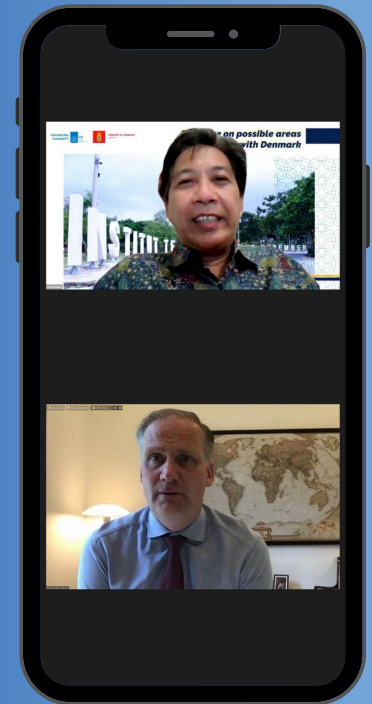


Webometrics
**RANKING WEB
OF UNIVERSITIES**

ITS and the Embassy of Denmark Discussed Potential Collaborations

Following last year's visit, the Embassy of Denmark in Indonesia once again paid a visit to Institut Teknologi Sepuluh Nopember (ITS) on Friday (9/7). The meeting was attended by the Ambassador of Denmark to Indonesia, Lars Bo Larsen, and the Political and Economic Advisor, Mathias Emil Bengtsson. From the ITS side, the meeting was attended by ITS Rector, Prof. Dr. Ir. Mochamad Ashari M.Eng., along with other members of ITS Executive Board and staff. In this virtual meeting, both parties discussed the potential cooperation sector that would be initiated in the near future.

Considering the geographic aspect that Indonesia and Denmark are archipelagic states, both parties believed that the maritime sector has played an essential role in the development of the two countries. Prof. Ashari revealed that the decarbonization strategy in the energy sources for transportation has enormous potential, especially in the maritime and electrical sectors which have been research-focus at ITS. Responding to the rector's statement, Lars Bo Larsen mentioned that it can be the bridge for both countries to develop collaborations in maritime business, such as green ships. In addition, both parties also explored other potential cooperation, such as joint research and student exchange.



ITS Sapuangin Swept 4 Awards in the Shell Eco-Marathon 2021

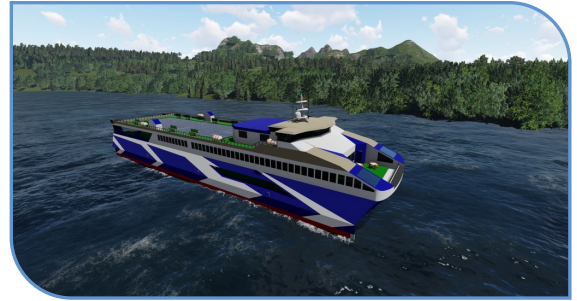
ITS Sapuangin Team recently brought home – not only one – but four awards at once in the Shell Eco-Marathon (SEM) 2021, announced on Thursday (8/7). Those awards including 1st Place in Data Off-Track: Data and Telemetry, 2nd Place in Autonomous Programming, 3rd Place in Virtual Technical Inspection, 4th Place in Global Virtual League. SEM is an annual competition held by Shell, the leading oil company, to challenge engineers around the world in designing and building the most energy-efficient vehicles. However, in 2021, SEM adapted the competition to be completely virtual.

ITS Sapuangin Team has consecutively participated in this prestigious world competition since 2010. Since then, the Sapuangin Team has been maintaining the championship of this competition. In the SEM competition, which was participated by various universities from four continents (America, Asia, Africa, and Europe), each team competed in four sub-competitions. Those sub-competitions are Pitch the Future, Autonomous Programming Competition, Off-Track Awards, and Virtual Technical Inspection. There is also a bonus challenge in the final session. After accomplishing those four categories, 235 teams from international universities accumulated the points obtained. The points obtained by the ITS Sapuangin Team have brought ITS to 4th Place in Global Virtual League. ITS Sapuangin Team hopes to maintain the championship in the upcoming SEM.



ITS Nawasena Won the World's Ferry Competition 4 Consecutive Years

ITS students once again prove that the pandemic would not stop them from accomplishing another world-class achievement. Announced by the Worldwide Ferry Safety Association (WFSA), ITS Nawasena Team won 2nd place in the WFSA 8th International Student Design Competition 2021 hosted in New York, United States, Friday (16/7). This year's competition, ITS Nawasena Team was represented by Anak Agung Madya Kusuma Dewa, Roberto Lucky Wibisono, Rizal Izzuddin Alqosam, Ghavin Ghavyero, Reza Bagus Ramadhan, Aufal Nanda Oktova, Bima Surya Wicaksana, Yohanes Pangestu Timur, Kevin Rizqul Habib, Imam Anthony Muslim, and supervised by Dr. Ir. Agoes Santoso M.Sc., M.Phil., and Dr. Achmad Baidowi S.T., M.T.



In this year's competition, WFSA challenges participants from the 23 world's best teams to create a conceptual design for a ferry as transportation on the Amazon River, Brazil. ITS Nawasena Team, with its MV Lanterna, brought the idea of a Ro-Pax ferry in the competition. This ferry is equipped with high safety standards and intelligent control systems that are integrated with navigation sensors to pass through the narrow waters of the Amazon River. With a hybrid-electric power system that integrates a generator, solar panels, and batteries that supply the azimuth propulsor, MV Lanterna can reduce fuel consumption by 25.8 percent. Furthermore, MV Lanterna was designed with the prospect of a profitable investment return and affordable components so that this design has business feasibility and is ready to be used in various locations, including in Indonesia. With this achievement, ITS Nawasena Team has been consecutively maintaining the championship in the world's ferry competition since 2018.



Voice of Partner

Nguyen Anh Duy

**Participant of CommTECH Camp Insight 2020
HCMC University of Technology Vietnam**



"CommTECH Camp 2020 was the most valuable journey that I would never forget in my entire life. This trip brought me to a beautiful city Surabaya of Indonesia, where I can explore a wide variety of cuisine and a diverse culture. I also admired how well the city was managed by a dedicated mayor with many innovative policies. Besides, I had a chance to learn in one of the most prestigious universities in ASEAN and work under the supervision of professors and local students to complete an exciting project.

Moreover, I never felt foreign and desolated because the committees and staff had always made me feel like a second home. This journey gave me new brothers and sisters from more than ten countries who I shared ideas and joy with during the camp.

I want to express the sincerest gratitude and warmest thanks to the staff, committees, and volunteers for their dedication and hospitality in organizing this camp. I am very thankful for the opportunity to participate in this journey."