IOpener

i-BOAT
An Autonomous, Intelligent Boat

ICHIRO
ITS Triumphs in the 2020 Regional Indonesian Robot Championship

GLS on SDGs
A Virtual Endeavor in Addressing SDGs

VOICE OF PARTNER
A message from Ho Chi Minh City University of Technology

ITS RANKING

THE WORLD UNIVERSITY RANKINGS *by Subject*

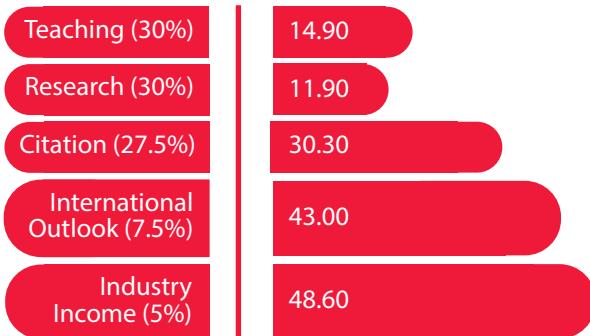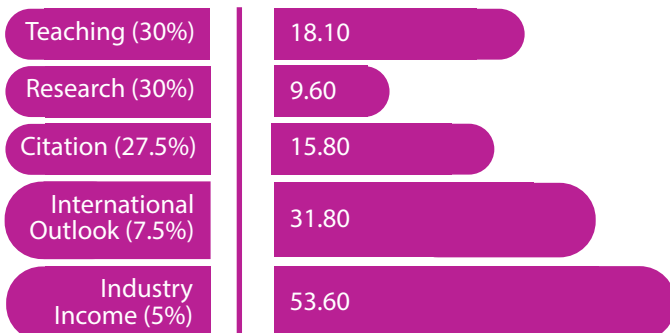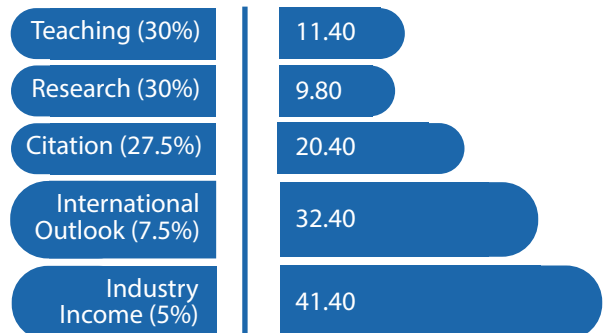| 601-800 | Computer Science Overall Score: 22.03 |
| 801-1000 | Engineering & Technology Overall Score: 17.72 |
| 801-1000 | Physical Science Overall Score: 16.44 |

Computer Science

Indicator	Score
Teaching (30%)	14.90
Research (30%)	11.90
Citation (27.5%)	30.30
International Outlook (7.5%)	43.00
Industry Income (5%)	48.60

Engineering & Technology

Indicator	Score
Teaching (30%)	18.10
Research (30%)	9.60
Citation (27.5%)	15.80
International Outlook (7.5%)	31.80
Industry Income (5%)	53.60

Times Higher Education (THE) World University Ranking (WUR) by Subject

Times Higher Education (THE) has just launched the World University Rankings (WUR) by Subject 2021. ITS has maintained its positions in three subject rankings – Computer Science, Engineering & Technology, and Physical Sciences. According to the new release, ITS has been ranked 601-800 for Computer Science, 801-1000 for Engineering & Technology, and 801 for Physical Sciences. In the subject rankings, universities are assessed by five indicators: teaching, research, citations, international outlook, and industry income. Each subject has different weighting methods. Computer science and Engineering & Technology have the same weighting for each indicator, i.e. 30% for teaching; 30% for research; 27.5% for citations; 7.5% for international outlook; and 5% for industry income. While the weightings for physical sciences are 27.5% for teaching; 27.5% for research; 35% for citations; 7.5% for international outlook; and 2.5% for industry income. Computer Science, Engineering & Technology, and Physical Sciences received the total score of 22.03, 17.72, and 16.44, respectively. The scores of each indicator for each subject are shown in the provided infographics.

Physical Science

Indicator	Score
Teaching (30%)	11.40
Research (30%)	9.80
Citation (27.5%)	20.40
International Outlook (7.5%)	32.40
Industry Income (5%)	41.40

ITS LAUNCHES I-BOAT:
an Autonomous, Intelligent Boat

Following the success of the RAISA Robot and intelligent Car (i-Car), Institut Teknologi Sepuluh Nopember proceeds to make another breakthrough by launching an autonomous, intelligent boat or i-Boat. Officially launched by ITS's rector, Prof. Mochamad Ashari, the i-Boat is a combination of two prominent technologies: the artificial intelligence (AI) and the internet of things (IoT). Equipped with number of sensors, the i-Boat is capable to locate and drive autonomously to the coordinate of the drowning victims or water injury accidents. A camera planted on the boat functions as a device to collect data as a part of the big data analysis that later on will be processed by high-spec computer in the boat. This advanced technology also enable the i-Boat to slow down its speed when approaching the victims.
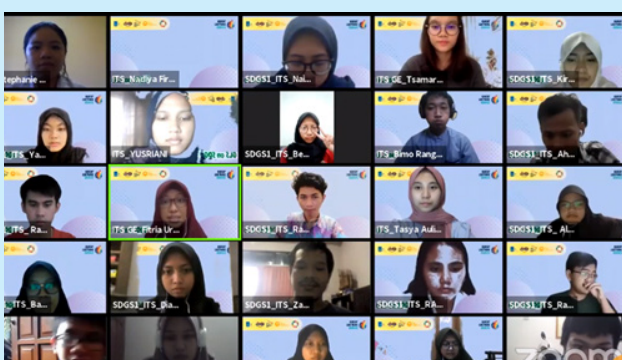
Comprising large water areas, the i-Boat is projected to be highly resourceful in solving maritime problems in Indonesia. The absence of an effective marine vehicle will surely rise problems in logistic distributions that worsen the development inequality especially in the remote islands. Offering commendable prospect, the unit is projected to be a strong force for Indonesian National Board for Disaster Management.

Guest Lecture Series on SDGs: A Virtual Endeavor in Addressing SDGs

Institut Teknologi Sepuluh Nopember (ITS) has devoted to exemplifying the UN Sustainable Development Goals (SDGs) in all of the university's aspects and its community. However, realizing the imminent impacts infused in the SDGs, the institution aims to spread further the forward-looking mission to wider audiences. Through the Guest Lecture Series on Sustainable Developmental Goals (GLS on SDGs), ITS brings the conversation on SDGs to the broad-ranging, global participants. This semester, ITS projected to open discussions about 14 out of 17 goals of SDGs—each is divided in every meeting.

This weekly program hosted by ITS Global Engagement Office invites global professionals to share their expertise or research interest that revolve around the SDGs topics or issues. With their great variety of backgrounds and competencies, the participants can learn rich viewpoints on sustainability. GLS on SDGs is also one of the breakthroughs made by ITS to cope with the limit and restriction on the physical mobility caused by the pandemic. Using a teleconferencing app, the program sustains the global learning environment by allowing the international lecturers, researchers, and students to mingle and network. ITS is hopeful that GLS on SDGs can be a platform for ITS to synergize with the international partners as a collective effort to ensure prosperity for all.

ITS Triumphs in the 2020 Regional Indonesian Robot Championship

Perebutan Juara 1 LKR

Institut Teknologi Sepuluh Nopember (ITS) once again showcased its credibility and excellence in the world of Indonesian robotics. This time, the ITS Robotics Team won a number of titles at the 2020 Indonesian Robot Championship of the 2nd Regional. Held for three days, the competition comprised of several divisions in which ITS sent a team for all of the categories. In the Indonesian Football Robot Championship, the Ichiro Team won in the Humanoid category, while the Iris Team successfully triumphed in the Wheeled category and received the best strategy award. While in the Indonesian Dance Robot Contest, the ITS V-Rose Team achieved third place.

The struggle endured by the teams during the process was quite heavy because not all of the team members could come to the campus due to the pandemic. This caused a considerable reduction in the number of members who can work hands-on on the project. However, ITS Robotics team showed resilience in the process and proceeded to bring the best outcome in the competition. With the current achievements, the team is very optimistic in defending the title of overall winner in the National Indonesian Robot Championship this year.

I am delighted to send my warmest greetings and congratulations to Institut Teknologi Sepuluh Nopember (ITS) on the 60th anniversary. ITS has achieved many goals during its history and I am sure that I will be able to witness further achievements of ITS.

HCMUT and ITS have been in collaboration since 2012 with signing the Memorandum of Understanding. From this successful initiative, HCMUT has sent many students and staff to ITS during Comm TECH program annually. As you may know, CommTECH allows students and staff from around the world to learn about the community and global issues through a variety of fun activities but have in-depth learning. It also opens opportunities to exchange your culture and language with new friends from other countries. The program has been successful, connecting two universities and bridging cultural and academic links. I have been also a member of CommTECH family since 2012. It is also my valuable memory until now. Besides, HCMUT has also received the staff from ITS for their short-term exchange program.

Voice of Partner

Ms. Pho
External Relations Office
Ho Chi Minh City University of

HCMUT would like to continue to welcome more students and staff from ITS as well as to send HCMUT's students and staff to ITS. I hope that HCMUT and ITS will continue to collaborate and expand academic cooperation in other fields, including but not limited to, lecturers and students exchange, co-host of international conferences, and joint-research. I strongly believe that our future collaboration will continue to grow and flourish.

Once again, I would like to transmit my congratulations on this 60th anniversary. Please deliver my best wishes for the success of this event to ITS's lecturers, staff, and students. I wish you and your university all the best for your future advancements.