



THAMMASAT

SUSTAINABILITY REPORT 2021



SUSTAINABLE DEVELOPMENT GOALS





SDGs

at Thammasat

LET'S ACHIEVE THE SDGS TOGETHER
WITH THAMMASAT

Contents

	<i>page</i>
Rector's Statement	
SDG 1 : No Poverty	1 - 4
SDG 2 : Zero Hunger	5 - 6
SDG 3 : Good Health and Well-being	7 - 14
SDG 4 : Quality Education	15 - 18
SDG 5 : Gender Equality	19 - 23
SDG 6 : Clean Water and Sanitation	24 - 26
SDG 7 : Affordable and Clean Energy	27 - 30
SDG 8 : Decent Work and Economic Growth	31 - 34
SDG 9 : Industry, Innovation and Infrastructure	35 - 36
SDG 10 : Reduced Inequalities	37 - 43
SDG 11 : Sustainable Cities and Communities	44 - 51
SDG 12 : Responsible Consumption and Production	52 - 56
SDG 13 : Climate Action	57 - 59
SDG 14 : Life Below Water	60 - 61
SDG 15 : Life on Land	62 - 64
SDG 16 : Peace, Justice and Strong Institutions	65 - 73
SDG 17 : Partnerships for the Goals	74 - 76



Rector's Statement

Thammasat University, as a leading Asian academic institution, has always embraced the idea of “For the People” from its establishment since 1934. We have been a source of knowledge to quench the thirst of curiosity for the public and standing side by side with people, democracy, and social justice.

In the present day, however, global challenges such as climate change, global inequality and COVID-19 pandemic are affecting everyone and will continue to have adverse impacts on us and future generations, not only in Thailand but all over the world. If Thammasat University still embraces the “For the People” philosophy, we need to expand the scope of the philosophy to include not only Thai people but humanity and address these global challenges.

As the rector of Thammasat University, I believe it is time for Thammasat University to be a part of the global solutions and help the world achieve the Sustainable Development Goals (SDGs). Sustainability is now integrated into our policies to strengthen the existing sustainability efforts and encourage new and transformative initiatives at every level, in every faculty, college and campus of the university.

In 2021, several sustainability programs and policies were initiated, some were the continuation of existing sustainability efforts. On behalf of Thammasat University, it is my pleasure to present our Sustainability Report 2021. This report reflects our commitment to be a part of the solutions to global challenges.



Associate Professor Gasinee Witoonchart
Rector









END POVERTY

IN ALL ITS FORMS EVERYWHERE

Thammasat University addresses poverty issues in the communities by providing the public with educational opportunities, including scholarships for both national and international students with low income, hiring people in the local area of Pathum Thani and neighboring provinces, and organizing activities to reduce poverty in Thailand

Financial aids for students

Thammasat University provides various types of scholarships to support students with financial difficulties and low-cost accommodations for national and international students.



Types of Scholarship	Number of Scholarships	Economic Value (Estimated Value in USD)
Full scholarships	166	400,065
Partial scholarships	924	776,981
COVID-19 impact scholarships	2,124	231,929
Student loans	4,829	8,806,468
Total scholarships	8,043	10,215,442

Knowledge and activities for poverty reduction

The University has a policy of reducing student's food expenses. This has been made possible by setting up community kitchens at the dormitory area. The kitchens are equipped with stoves, kitchen utensils, and cleaning supplies. Students have free access to vegetables and herbs that are grown in the community gardens around the dormitories. These vegetables are organic and free of charge.

1 Creative Young Designers Season 2

Creative Young Designers is a project to improve the competitive potentials of the production and design sectors and to encourage the younger generations to incorporate local identities into new design products. This project allows design students to work on their designs and engage with local communities. The participants of Season 2 learned from the Fabric Weaving Group of Banlongmud Village in Songkhla province on their weaving techniques from dyeing fibers with local natural raw materials to the finishing. More than 200 loincloth designs from the participants were presented to the Weaving Group, and 24 of which

were selected for production.

In the second part of this project, which will focus on developing products from sedge, the participants will learn about local conditions and issues to guide their product development. The developed prototypes will serve as design guidelines for local products to reach new target groups. This project is attended by the network of universities that offer product design majors, such as Silpakorn University, Poh-Chang Academy of Arts, Rajamangala University of Technology Rattanakosin, and The University of the Thai Chamber of Commerce. This project will allow the participants to learn to work with natural raw materials and exchange knowledge and ideas with students from other universities, help the local economy to grow with stability and according to its potential, and support SMEs in increasing their contribution to Thailand economy.



2 Action Research Project on "Guidelines for Sustainable Development with Local Engagement and Innovations"

This action research project is a 3-year collaboration project from March 2021 to March 2024 between the Electricity Generating Authority of Thailand, the Institute for small and Medium Enterprises Development, Association for Developing Human Potentials and Giftedness, and Thammasat University with School of Global Studies as the operating unit.

This objectives of this research project are to test and find methods to develop people of different age groups and gender identities in local communities for them to be able to figure out novel approaches to deal with various issues by combining their knowledge and technology, and to experiment in creating model communities that apply the SDGs as their self-development milestones in developing systems, activities, and ways of life that are appropriate for the conditions of the communities. The knowledge and experiences from these model communities will be used for future classes and academic services for the public. The communities that participate in the research project are from 3 regions, which are:

North-eastern region in 6 communities and 10 villages
Southern region in the following main areas: (1) Yansue Subdistrict, Khuan Don District, Satun Province, (2) Khuan Don Subdistrict, Khuan Don District, Satun Province, and (3) Sapan Mai Kaen Subdistrict, Chana District, Songkhla Province

Eastern region in 3 areas: (1) Ban Khlong Hua Chak Community in Bang Pakong Subdistrict, Bang Pakong District, Chachoengsao Province, (2) Tha Kham Subdistrict, Bang Pakong District, Chachoengsao Province, and (3) Community Enterprise of Bang Pakong Power Plant Neighborhood in Chachoengsao Province



3 Integrative Sub-District Economic and Social Development Project: University to Tambon (U2T)

Thammasat University participated in the Integrative Sub-District Economic and Social Development Project and is responsible for the area of Bang Krabue sub-district, Sam Khok district, Pathum Thani province. This project helps in developing local communities in several aspects with the focus on economic and social development. It involves technology and knowledge transfer to promote creative tourism economy and circular economy in the community and establishment of community enterprises to improve the local economy. Some of the efforts integrate the University's curriculum, such as in the area of public health to promote and educate people on how to manage and cope with the spread of COVID-19, and in the area of occupational therapy to promote working and employment in the community.

A project that stems from this U2T project is Community Product Development: Developing prototype products for the community, which supports and encourages each community to use local wisdom resources to develop products and services to create the selling points, added values and market demand that is in line with the local culture and way of life based on the principles of community self-reliance. Due to the economic effect from COVID-19, Thammasat University' U2T project prioritizes the upgrading of community OTOP products to create additional value, such as banana chips, potato chips, taro chips, salted egg, and chili paste, which led to 1.5% increase in annual product sales.



4 "Thammasat Model" wins Silver Award from Association of MBAs to Tambon (U2T)

Thammasat Business School (TBS) submitted "Thammasat Model" and won Silver Award in "Best Lifelong Learning Initiative 2021" from the Association of MBAs (AMBA). Thammasat University was the only educational institution in Thailand and the ASEAN countries that was one of the 6 finalists.

Professor Dr. Ruth Banomyong, Dean of Thammasat Business School stated that TBS encouraged the students and graduates to apply their knowledge in improving and driving the global society, so TBS had collaborated with Government Savings Bank and Community Friend Association, Rayong Province to create "Thammasat Model" to be a model and a guideline for improving the quality of life of community enterprises with 3 main keys: The first key is that 'Thammasat Model' is a course in IBMP or the 5-year program that allows the students to apply their knowledge in real life and solve real problems from the communities as their challenging problems.

The second key is that the communities must have ready and up-to-date practical skills to successfully run a business.

The last key is that the industrial organizations that are TBS partners will bring their expertise and direct experiences to share and develop career for the communities.

The project that won the award is from Khlong Nam Hu Community Enterprise in Rayong Province. The community's products are Thai cloth marinated in rice milk and ready-made garments. Throughout the 6-month period, the students went into the community, analyzed the problems in product design, marketing, accounting, and distribution channel, created the branding and added new products including protective masks and cloth bags with modern design to expand the target to the younger generation.



5 Thammasat Business School Cooperates with Community Friend Association to drive Thammasat Model Season 7 supporting 9 community enterprises to create value-added through new generation ideas Local Engagement and Innovations”

Thammasat Business School signed a memorandum of cooperation (MOU) with Community Friend Association – Thammasat Model Project Season 7/2022: Promoting the development of community enterprises and local economy groups in Map Ta Phut Complex area according to the Thammasat model approach”

This cooperation involves the development of the local economic system, the expansion of ideas to improve products to meet the needs of customers, and the increase of competitiveness with other products in the market. In addition, this cooperation between the government, private sectors and educational institutions shows their commitment to build community enterprises that have a strong foundation and can be self-reliant and sustainable, by focusing on the Sufficiency Economy Philosophy through the following operations: Production, Packaging, Marketing, and Accounting.

Over the 5-month period, the participating students have worked with the community enterprises to achieve the objectives. Unlike previously where-

the chairmen of the community enterprises are the sole operator, now laborers are officially employed in the production line for a reasonable distribution of income to the community members. However, due to the COVID-19 epidemic situation, the current revenue of community enterprises may not reflect the reality, as the community enterprises are unable to sell products at trade fairs.

The participants also introduced the community enterprise members to account logging, making them able to manage their income and create account logs appropriately, as well as created a profit policy for the sustainability of the enterprises. Currently, the community enterprises’ online sales and promotion channels have 173 likes on Facebook and 234 followers on Instagram (as of 8 May 2022). The participants also requested customers’ opinions to develop and improve the products and operations of the community enterprises with the ultimate goal to ensure that the community enterprises can stand on their own and continue their business systemically and sustainably after completing the Thammasat model project.





END HUNGER,

ACHIEVE FOOD SECURITY AND IMPROVED NUTRITION AND PROMOTE SUSTAINABLE AGRICULTURE

Thammasat University's aim is to strive toward achieving a zero-hunger tolerance goal. The attainment of this goal can only be possible through capacity building workshops and raising awareness through training workshops, research, and activities/ special programs. Some of the proposed initiatives in place include:

Agriculture area for food production on campus

Thammasat University allocated areas for farming on campus. This is a great effort to provide the community with access to organic vegetables and reduce the carbon footprint due to transportation. The farm produce is sold to the community at affordable prices as an attempt to help in the reduction of food expenses.



TU Community Kitchen

The University has a policy of reducing student's food expenses. This has been made possible by setting up community kitchens at the dormitory area. The kitchens are equipped with stoves, kitchen utensils, and cleaning supplies. Students have free access to vegetables and herbs that are grown in the community gardens around the dormitories. These vegetables are organic and free of charge.



Affordable food price in the University

The University has been making efforts to provide affordable food and free drinking water in all the canteens. Thammasat has a total of 15 canteens across 4 campuses. By 2020, Thammasat achieved the target of providing affordable food, with the lowest main dish price of 0.75 USD, and installing free drinking water dispensers in all canteens.



DOMELICIOUS
#เมนูโดมเนียม

**เมนูอดนียมของชาวธรรมศาสตร์
ในราคาไม่เกิน 20 บาท!**

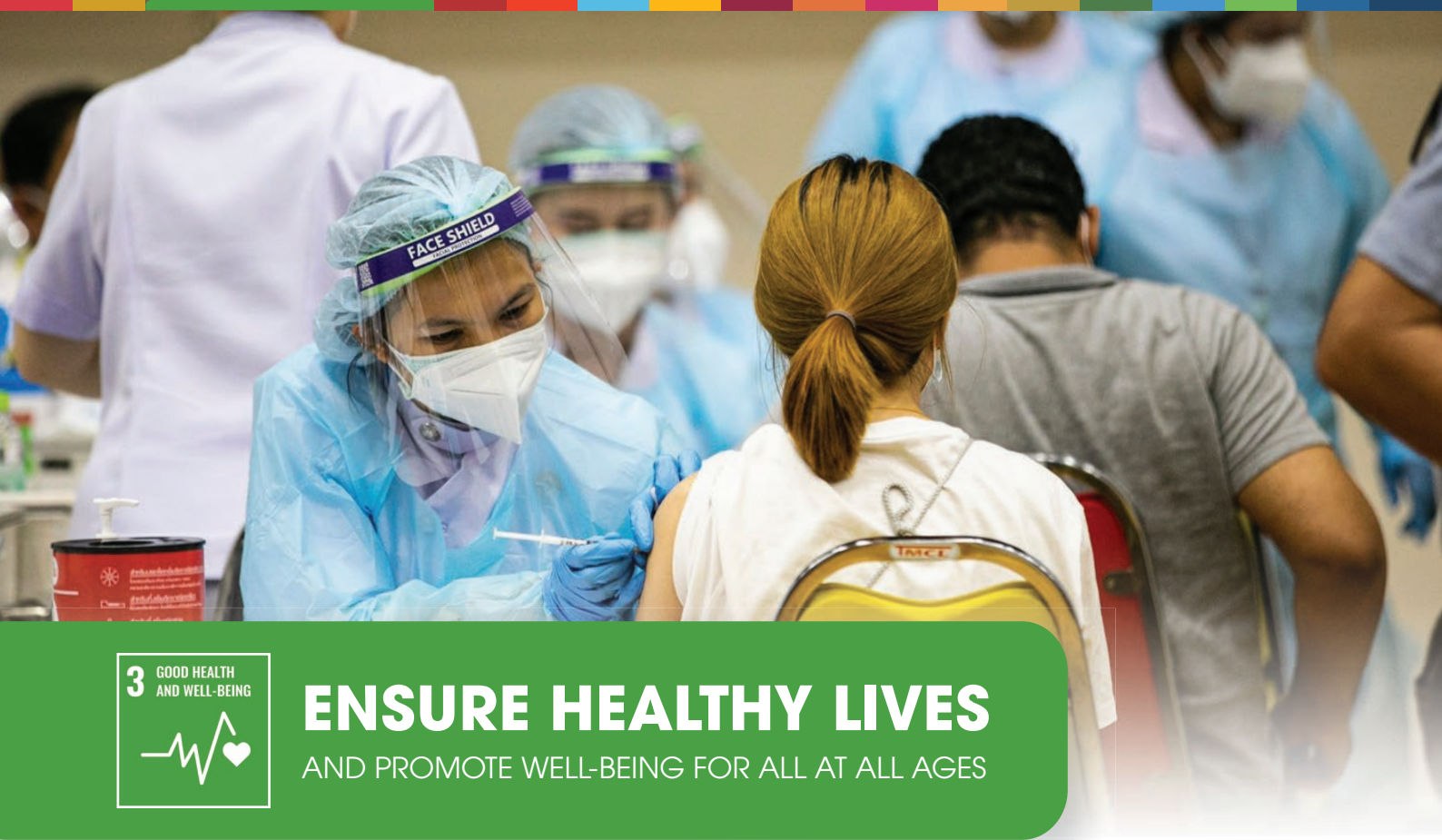
A group of six food service staff members standing in a row. They are wearing white uniforms, white aprons, and face masks. They are holding small plates of food.

During the COVID-19 epidemic in 2021, the University acknowledged how the economic crisis during this critical time affected the community. Thammasat University, therefore, requested for cooperation from all the food outlets on campus to offer affordable menu choices that are below 20 THB, approximately equivalent to 0.50 USD, which turned out to not only benefit students and the staff but also serve as a promotion of the participating food shops.

🌱 Food bank for the community during COVID-19 epidemic

The University has a policy of reducing student's food expenses. This has been made possible by setting up community kitchens at the dormitory area. The kitchens are equipped with stoves, kitchen utensils, and cleaning supplies. Students have free access to vegetables and herbs that are grown in the community gardens around the dormitories. These vegetables are organic and free of charge.





ENSURE HEALTHY LIVES

AND PROMOTE WELL-BEING FOR ALL AT ALL AGES

Thammasat University recognizes the value of health and well-being of people, following SDG 3. We strive to become a reliable resource and a role model in health and well-being of the people in Thailand. The indicators of the performances are reflected in many categories, such as the number of graduates in health science majors to serve the society; the number of publications related to health and medical research during the past 3 years; public health services, including Thammasat University Hospital, Thammasat University Field Hospital for COVID-19, Vaccination Center at Thammasat University Rangsit Campus; and policies on pollution and safety control to promote quality of life. Examples of related activities are as follows: pollution reduction campaign, smoking area designation, road accident reduction campaign: Helmet for safe ride.

Provision of public health services Thammasat University Hospital

Thammasat University Hospital is a tertiary-level university hospital with a potential to provide comprehensive treatment across all disciplines and admit referred patients from other hospitals. Thammasat University Hospital can currently serve 3,000–4,000 outpatients daily and support inpatients in our 750-bed facility. During the COVID-19 epidemic from March 2020 to December 2021, Thammasat University Hospital was able to accommodate COVID-19 patients that were referred from district and provincial hospitals in Pathum Thani and other provinces in Public Health Region 4, including university hospitals in UNOSNET network in Bangkok metropolitan area. During the 20-month period, there were 2,124 patients and 129 casualties.



Number of graduates and publications in health sciences

Thammasat University offers education and training in the health sciences, consisting of Faculty of Medicine, Faculty of Allied Health Sciences, Faculty of Dentistry, Faculty of Nursing, Faculty of Public Health, Faculty of Pharmacy, and Chulabhorn International College of Medicine. During 2017–2021 academic years, there were 5,559 graduates in health science majors, accounting for 11.78% of the total number of graduates from Thammasat University. The students and staff in health science faculties of Thammasat University produced 1,326 research publications during 2019–2021 academic years, which accounts for 36.62% the total 3,621 publications from Thammasat University.



Number and proportion of graduates in health science majors during 2017–2021 academic years

Academic year	2017	2018	2019	2020	2021
Number of graduates in health science majors	882	957	1100	1257	1352
Total number of graduates	9390	9625	9524	9049	9586
Percentage	9.39	9.941	11.55	13.89	14.10

Academic year	2019	2020	2021
Number of publications in medical and health research	347	459	520
Total number of publications	1036	1191	1394
Percentage	33.49	38.54	37.30

Number and proportion of publications in medical and health research during 2019–2021 academic years

Management during COVID-19 epidemic

From the beginning of the COVID-19 pandemic in Thailand, Thammasat University has prepared for the situation by setting up a treatment system for the students and the staff of Thammasat University as well as for the public to ensure equal access to the treatment system for all.

The treatment system that Thammasat University has prepared for COVID-19 patients consists of 3 main treatment systems, which are 1) treatment in Thammasat University Hospital for moderate and

severe case patients, 2) treatment in Thammasat University Field Hospital for mild cases, and 3) Home Isolation system for asymptomatic patients who can take care of themselves to minimize the number of patients and accommodate new patients in the Field Hospital.

Following is the summary of Thammasat University's countermeasures and treatment systems for COVID-19 patients, referring to the treatment record from Thammasat University Field Hospital for COVID-19 which operated for a total of 200 days from April to December 2021.

Treatment system in Thammasat University Hospital

Preparation of floors and negative pressure rooms for COVID-19 patients

Thammasat University Hospital continually upgrades and renovates COVID-19 wards by creating more negative pressure facilities. Currently there are 9 negative pressure patient wards with a total of 120 patient beds, 40 negative pressure isolation rooms for critically ill patients, 30 Semi-negative pressure rooms, and 48 ICU rooms of which the air pressure is regulated. The renovated COVID-19 wards are separated into 3 levels.

Level 1 Negative pressure ICU wards were renovated from Mek Sawan, Thanyalak, Ban Pu 2, and Surattana ICU wards with 200 million THB funding.

Level 2 ICU wards to accommodate COVID-19 patients who require the use of high flow nasal cannula.

Level 3 COVID-19 wards for moderate case patients who require normal aspirators.

To ensure safety while performing procedures on patients with COVID-19, Thammasat University Hospital has set up 2 and 4 negative pressure tents in Nephrology Ward and Internal Medicine Wards respectively, with the support from the Federation of Thai Industries. In Obstetrics and Gynecology Ward, two negative pressure delivery rooms are available for up to 10 patients in labor.



Home Isolation System

Thammasat Home Isolation Project was in operation for 173 days, from 30 June to 15 December 2021, and served a total of 2,608 patients.

The establishment of the home isolation system was a new approach to service COVID-19 patients. It not only accepted new patients through direct registration but also recruited patients in Thammasat University Hospital with mild symptoms to open spaces for new patients who require hospitalization. Patients who registered in the home isolation system received medications, medical supplies, and personal protective equipment for the X-ray process. They could also communicate with doctors and nurses daily through a mobile application.

By establishing the home isolation system, Thammasat University Hospital was able to overcome 4 main issues of the tradition treatment approach.

Issue #1 Dealing with the existing rules and regulations to deliver Favipiravir anti-viral medication for home use in patients with indications

Issue #2 Logistic planning for the delivery of food and medication.

Issue #3 Setting up teams of doctors and nurses to keep track of and constantly communicate with the patients

Issue #4 Expanding the network to accommodate local patients who do not have access to medical treatment

HOME ISOLATION
สำหรับผู้ป่วยโควิด 19

1 ผู้ลงทะเบียนต้องมีบัตรประชาชนหรือบัตรประชาชนต่างชาติ

2 อายุ 1 ปีขึ้นไปจนถึงไม่เกิน 70 ปี

3 กลุ่ม 608 ที่ไม่เข้าเกณฑ์คัดกรองสีเขียว (608 หมายถึง กลุ่มอายุ 60 ปีขึ้นไปและดัชนีมวลกาย > 30 kg/m²)

- โรคหลอดเลือดหัวใจ
- โรคไตเรื้อรัง
- โรคปอดอุดกั้นเรื้อรัง
- โรคเบาหวานชนิดที่ 2
- โรคความดันโลหิตสูง
- โรคหัวใจล้มเหลว
- โรคตับเรื้อรัง
- โรคไตเรื้อรัง
- โรคอ้วน (ดัชนีมวลกาย > 30 kg/m²)
- โรคถุงน้ำดี
- อื่นๆ

4 สตรีตั้งครรภ์ ตั้งครรภ์น้อยกว่า 12 สัปดาห์ และไม่เกิน 36 สัปดาห์

☑️ หมดวิซาด้า ☑️ หมดวีซ่า ☑️ หมดใบขึ้นทะเบียน

'ไม่มีค่าใช้จ่าย'
(ทั้งค่าหมอ ค่ายา ค่าตรวจ)

5 ไม่มีการเดินทาง หรือมีการเดินทางที่จำเป็น เช่น ไปรับยา หรือไปซื้อของจำเป็น สามารถใช้แอปพลิเคชัน (Line) เข้ารับยา และซื้อของจำเป็น

6 ใช้โทรศัพท์มือถือได้ สามารถใช้แอปพลิเคชัน (Line) เข้ารับยา และซื้อของจำเป็น

7 สามารถกักตัวที่บ้านได้ สามารถกักตัวที่บ้านได้

8 มีผลตรวจว่าติดเชื้อโควิด 19 + ATK เป็นบวกตามเกณฑ์ หรือตรวจพบผลตรวจ RT-PCR

บริการที่ให้บริการโดย TUH - HICC

- บริการส่งยาและเวชภัณฑ์ เช่น ยา Favipiravir ยา Paracetamol ยา Ibuprofen ยา Acetaminophen
- บริการส่งอาหารและเครื่องดื่ม
- บริการส่งชุดป้องกันส่วนบุคคล
- บริการส่งหน้ากากอนามัย
- บริการส่งชุดตรวจ COVID-19
- บริการส่งชุดตรวจ ATK
- บริการส่งชุดตรวจ RT-PCR
- บริการส่งชุดตรวจ COVID-19
- บริการส่งชุดตรวจ COVID-19
- บริการส่งชุดตรวจ COVID-19

โทร. 0 2018 6700
064 6430365, 097 282 9004
เวลา 08.30 - 18.00 น. ทุกวัน (ในวันหยุดราชการ
และ โทร. 0 2926 9929 ในวันและเวลาราชการ)

COVID-19 Management in local communities

At the peaks of COVID-19 epidemic, Thammasat University Hospital set up teams to perform COVID-19 testing survey in the local communities with high risk and among Thammasat students and staff. Thammasat call center was also set up to assist and reduce the load of Mor Prom application for urgent cases.

Besides, Thammasat University Hospital was one of the 6 university hospitals that were selected to be the distribution centers of Remdesivir, a new anti-viral medication with higher efficacy than Favipiravir, for patients with moderate symptoms. Thammasat University Hospital has also ordered 200,000 courses of Molnupiravir antiviral medication and signed an agreement with the pharmaceutical company in India for the third phase efficacy testing and clinical trial of the medication in COVID-19 patients.



Treatment system in Thammasat University Field Hospital for COVID-19



Thammasat University Field Hospital for Covid-19 is the first field hospital for the pandemic in Thailand that was founded on 26 March 2020. The field hospital took in mild-case patients from hospitals in Bangkok Metropolitan area. For moderate and severe cases, the patients would be referred to Thammasat University Hospital. The field hospital is designed to accommodate 470 patients at a time. Since its inception, it has served 3 waves of patients: 55 patients during the first wave, 311 patients during the second wave, and during the third wave, it had to be expanded to serve as many as 4,878 patients. During the operation of the field hospital, it has served a total of 5,022 patients. The field hospital is staffed not only by the personnel from Thammasat University Hospital but also by the faculty members from the Faculty of Medicine and Thammasat student volunteers.

Global Cooperation

Thammasat University Hospital not only collaborates with other health institutions in Thailand, but also tries to extend the scope of practice to nearby ASEAN countries. Assoc. Prof. Dr. Manchima Makornwattana, the Head of Glaucoma Unit, Department of Ophthalmology, Faculty of Medicine visited in Hanoi, Vietnam and Phnom Penh, Cambodia to give lectures and demonstration on glaucoma surgery as well as to give consultations and perform preliminary screening on glaucoma and eye patients.



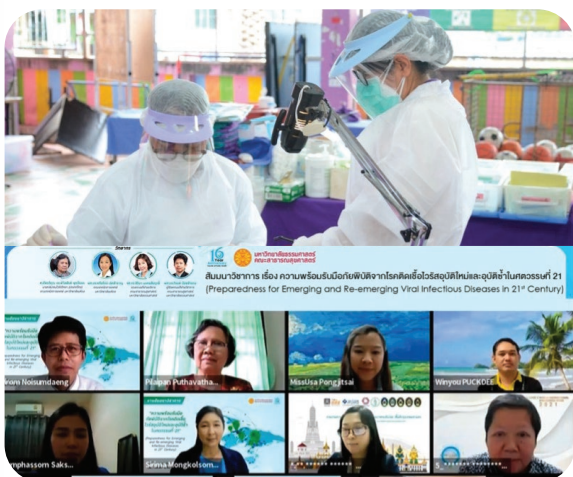
Promotion of well-being of the students and the general public

Thammasat University recognizes the importance of well-being and health of the citizens. We, therefore, provide well-being services to the public in the neighborhood of the University, in Pathum Thani and nearby provinces, as well as people in remote areas and people with disadvantages, including

- Educating the general public on proper hygiene and holistic health care approach by the Faculty of Nursing, which include the Family Classroom Project to support children with potential developmental delay and children with special needs, "Be Healthy and Be Happy life" project for elderly people, Life Skills Summer Camp for Kids project, and the emerging infectious disease surveillance survey project.

- Educating about dental health to people who receive dental services from Dental Innovation Foundation under Royal Patronage which are organized by Faculty of Dentistry, Thammasat University for the public, especially those in remote areas and with disadvantages, to provide dental services and dental hygiene knowledge so that they can properly take care of their oral health and sustain their quality of life.

- Providing health services and give advices on health issues to the general public by Faculty of Medicine and other health-science faculties, which include volunteering in mobile medical units on the occasion of Mahidol Day and performing health check for students of the Kindergarten of Thammasat University.



Providing services and access to sports facilities to the general public

Thammasat University allows the general public to access and use the sports facilities, including

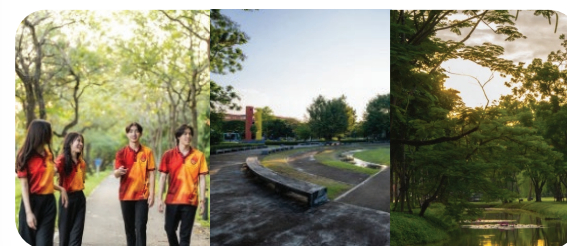
Mini stadium is a field that can be used for various sports, such as football, futsal, and rugby, enclosed by a 800-meter running track and outdoor fitness facilities, which has been popular with the general public.



Bicycle tracks around campus with the total distance of more than 14 km, covering 6 routes under the concept of promoting "sustainable cohabitation" to encourage the students and the general public to use bicycles for transportation and exercise.



Solar Park, a public park with an area of about 1 square kilometer with was established with a concept in environmental development to increase green space and promote of healthy lifestyle that is close to nature and relies on renewable energy. A great number of visitors from inside and outside the University use Solar Park which is a green space full of large trees as a place for leisure or exercise.



Providing sexual health services to the students

Thammasat University has issued a policy to promote and take care of student sexual health through activities organized by Thammasat Well Being Center, including a plan for an establishment of “Sex Must Say” clinic in the future. Several ongoing activities to promote sexual health of the students include HIV screening by Thammasat University Hospital and Rainbow Sky Association Of Thailand, giving out free condoms and lubricant gel, lending organ models to promote proper sexual health education, as well as raising awareness through various media on the topics of sexual health, safe, sexually transmitted disease prevention, and unintended pregnancy prevention. Besides, there are consulting services on sexual health through Thammasat Well Being Center Facebook page to give health care advices and to coordinate and assist the students with sexual health issues.



Providing counseling services or psychological/mental health support to the students and staff



Thammasat University has established Viva City Center to assist the students and staff who experience mental health problems, to provide psychological examination and treatment, to organize activities in developing life skills to prevent mental health problems, and to help students and staff recover from mental health issues and adapt to live happily. Viva City Center is staffed by mental health specialists, including psychiatrists, psychologists, social workers, nurses, education and career counselors, and student mentors to provide mental health services and counseling.

Thammasat University together with Department of Psychology, Faculty of Liberal Arts has established “Thammasat Counseling and Psychological Services Center” to provide psychological counseling services to the students and staff by clinical psychologists and counseling psychologists, to perform preliminary mental health assessments, to organize online group counseling, as well as to provide education on mental health care.

Thammasat University Hospital has established Mental Health Clinic as well as Child and Adolescent Mental Health Clinic to provide proper and safe medical services to outpatients in mental health and psychiatry, including schizophrenia, generalized anxiety disorder (GAD), depression, bipolar disorder and panic disorder.



Smoking prohibition and smoking area designation policies

Thammasat University realizes the importance of protection of non-smoker health. To ascertain that the area within the University, as a higher education institute, is a safe space for the public, Thammasat University has issued policies and practice guidelines in designating Thammasat University as non-smoking area and defined proper practices to ensure the campuses of Thammasat University are strictly non-smoking, which is in accordance with the related Notifications of Ministry of Public Health and the Tobacco Products Control Act, B.E. 2560 (2017). Thammasat University has designated smoking areas that are clearly marked, in appropriate areas, and enough to accommodate smokers. The University has also appointed persons-in-charge to ensure strict compliance to the practice guidelines and clearly imposed penalty for the violators.



Driving Thai society towards smoke-free society and organizing activities to raise awareness in youths

The Faculty of Public Health, Thammasat University, has a priority to raise awareness with an important goal to make Thai society a smoke-free society through organizing student activities as well as organizing conferences and meetings to create cooperation with the organizations that can provide direct support. The activities organized by the Faculty of Public Health from the past 2 years can be categorized, as follows:

The Faculty has organized a workshop for third-year students in Innovative Health Promotion Program on creating media that create social values against electronic cigarette use and raise awareness on the negative effects of electronic cigarettes.

The Faculty of Public Health, Thammasat University Lampang Campus, received a “Public Health Academic Institution for Smoke-Free Thai Society” award of 2020-2022 which was awarded during the 3rd Dean Summit on Tobacco Control.

After receiving the award, Thammasat University continues with the activities and conferences that encourage and drive Thai society towards a smoke-free society, such as cooperating with



other agencies to organize a conference to create healthy environment with the knowledge of Thai traditional medicine and inviting experts from various fields to discuss on health topics and making a statement of the current wellness community on the occurrence of the World No-Tobacco Day.

Vaccine Management and Distribution for Thammasat students, staff, and the public



Thammasat University Hospital established the Vaccination Center at Thammasat University Rangsit Campus at Gymnasium 4 which was in operation for 161 days and administered as many as 300,000 doses of vaccines.

The registration system for the vaccination center was jointly developed by Thammasat University Hospital and Thammasat School of Engineering. The registration for AstraZeneca vaccine started on 7 June 2021, with a daily quota of 2,000 vaccine doses. The vaccines are prioritized for the certain groups in the following order:

- People who are 60+ years old, have one of the 7 specified diseases, or weigh more than 100 kilograms
- People who are 50+ years old who have a pre-existing condition or have a registered patient number (HN) at Thammasat University Hospital
- People who are 50+ years old who have a pre-existing condition or reside in 7 districts in North Bangkok, including Bang Khen, Sai Mai, Lak Si, Lat Phrao, Chatuchak, Bang Sue, and Don Mueang

Besides, Thammasat University Hospital also offered vaccine registration through its own 'TUH for All' application starting in July 2021.

Road safety and accident reduction

Thammasat University encourages and raises awareness of driving with caution among campus road users. To reduce incident rates, obey traffic rules and stay within speed limits. Please wear helmets while riding motorcycles for your own safety and to reduce the risk of head injury.





ENSURE INCLUSIVE

AND EQUITABLE QUALITY EDUCATION AND PROMOTE LIFELONG LEARNING OPPORTUNITIES FOR ALL

Thammasat University provides quality education in undergraduate and graduate levels in 3 main areas, which are social sciences and humanities, health sciences, and science and technology. Curricula at Thammasat have been certified by Office of the Higher Education Commission and have been evaluated using Education Criteria for Performance Excellence (EdPEX) for education quality assurance.

Thammasat University also serves people of all ages to upskill and reskill their abilities and interests. Thammasat University Rangsit Campus provides safe environment for education for all residents of the communities, ranging from pre-kindergarten to doctoral-level education, including Thammasat Childhood Development Center managed by the Faculty of Nursing for pre-kindergarten children and Thammasat Secondary School operated by Faculty of Learning Sciences and Education for students in grades 7 – 12.

Hybrid Classroom

One of the top priorities of Thammasat University is an efficient delivery of quality education. Our classrooms are designed for various methods of teaching and learning to promote the students' learning potentials. During the COVID-19 situations, the health of our students becomes another priority. Thammasat, with the help of the Office of Information and Communication Technology, thus offers a new method for teaching and learning via hybrid classrooms that seamlessly combine an on-site and an online classroom. The Office of Information and Communication Technology also provides the faculty members with programs that are necessary for delivering quality education in a situation where a traditional classroom is not an appropriate choice.

บริการห้องเรียนไฮบริด
Hybrid Learning Room

พบกับการเรียนรู้ใหม่เป็นการเรียนรูปแบบทั้งออนไลน์
(Hybrid Learning)

มหาวิทยาลัยธรรมศาสตร์ตระหนักถึงความสำคัญของการเรียนรู้ในหลากหลายรูปแบบ
จากนี้และเพื่อขยายโอกาสการเรียนรู้ จึงได้พัฒนาระบบการเรียนแบบไฮบริด ซึ่งเป็นการเรียนรู้ออนไลน์ และ on-site อย่างมีประสิทธิภาพและประสิทธิผล และมีการเรียนรู้ร่วมกันด้วย

อาคาร SC1	SC1001, SC1002, SC1058, SC1059, SC3004, SC3005, SC3006, SC4001, SC4020, SC3048, SC3049, SC3050, SC3051, SC4036, SC4037, SC4038, SC4039, SC1012, SC1013, SC1049, SC1050
อาคาร SC3	SC3-413
อาคาร LC1	LC1-201, LC1-202, LC1-203, LC1-206, LC1-207, LC1-211
อาคาร LC4	LC4-231
อาคาร 1	PYC1-248, PYC1-251
อาคาร 2	PYC2-2014
ศูนย์กีฬา	ห้อง 7501, ห้อง 7502
ศูนย์กีฬา	ห้อง E202, ห้อง F102, ห้อง F103

ติดต่อ

เว็บไซต์ของบริการศูนย์กีฬา >> 02-696-5012-15
สำนักงาน คณะบริหารศูนย์กีฬา >> 089-030-7901
พี่หยา: คณะบริหารศูนย์กีฬา >> 080-553-1616

มีอุปกรณ์ MS Teams Riva LINE ICT-TU Helpdesk : @ictuhelpdesk

Get ready for Online teaching

with Microsoft Teams and TU GREETS App

วันพุธที่ 13 กรกฎาคม 2564 (ณ 10.00 - 12.00 น.)

- Agenda
- แนะนำการใช้งาน TU GREETS App
 - แนะนำการใช้งาน Microsoft Teams
 - แนะนำห้อง Break-out Room
 - แนะนำการสนับสนุน Assignment
 - แนะนำการใช้งาน Quiz ด้วย Microsoft Forms

สามารถเข้าร่วมเป็นวิทยากร Teams Live Event ได้ที่
<https://cttu.psu.go.th/lives>



Promoting up-to-date and practical education

TU 109 Course: Innovation & Entrepreneurial Mindset

TU 109 course was created from an idea of Assoc. Prof. Gasinee Witoonchart, the Rector of Thammasat University, to promote entrepreneurship skills for the modern world and creating at least 1,000 students per year with the skills and mindset of responsible entrepreneurs so that they can cope with the post-COVID-19 situations professionally.

Assoc. Prof. Gasinee worked together with Assoc. Prof. Dr. Pipop Udorn, the Vice Rector for Academic Affairs, to develop a curriculum that has been extracted into 3 courses which are TU 109, TU 209, and TU 309 that starts from the basics of entrepreneurship to the advanced level course. The aim of this curriculum is to encourage the students' continuous self-improvement so that they can start earning when they are still in the university with support from 88 Sandbox, which is Thammasat's latest ecosystem for startups both from Thammasat University and from the public.

TU 109 course is designed based on an analysis of global education trends and micro behaviors that focuses on the topics that the students are interested in and combined with Thammasat's main concept of social responsibility. Therefore, we can say that TU 109: Innovation & Entrepreneurial Mindset is a general education course that has been designed to create entrepreneurs who are ready for the future world through key concepts and skill cultivation from faculty members who have real experience in the modern business world.



88 Sandbox: The Next Unicorn Platform

88 Sandbox Project aims to become a new start-up ecosystem in Thailand for the new generation to develop their ideas from infancy to success. The project's main mission is to be a platform that creates and promotes Thailand's startups to the global level. It will be a space of opportunity for everyone without any discrimination against genders, ages, occupations, religions, or politics, including the younger generation ranging from high school to university students. 88 Sandbox Project partners with several sectors, including government agencies, corporates, venture capitals, and the leading startups from various industries and receives courtesy from 88 new-generation business leaders to become mentors for the project participants in developing great ideas into concrete products with the goals to create better life and better society. Even though 88 Sandbox is a project that is initialized by Thammasat University, its concept is to be open and accessible by all. It will serve as a large practical classroom that allows university students to convert the knowledge that they earn from real-life experience into course credits and enables high school students to use their innovations in the portfolio for admission to Thammasat University as well.



SIIT 30th Anniversary: Upgrading to an “Education Hub” for Education, Research, and Business

Sirindhorn International Institute of Technology (SIIT) organized the “SIIT 30th Anniversary: Learning for the Future” event to celebrate its 30th anniversary on 30 June 2022, attended by Thammasat University executives, faculties, representatives from several organizations, as well as current students and alumni.

The key issue of the modern industrial sector is rapidly changing technology. Businesses that are not willing to transform cannot win this race, but a lot of them still do not know how or where to transform. It is thus the role of educational institutions to point out the right spot to improve on. Currently, SIIT serves as a bridge between educational institutions and industrial sectors in creating graduates and providing the students with real experiences in education, research, and solving real business problems. More than 90% of graduate students at SIIT are foreigners. Once they graduate and return to work in their countries, they can open up the opportunities and channels for international collaborations. Therefore, the next goal of SIIT is to become an Educational Hub of the-

region, which is not only a center for education and research, but also a connector between Thailand and international business and industrial sectors.

At present, the industrial sectors’ needs are in reducing the cost, changing the manufacturing process, and marketing communication. All of these aspects require more workforce, which can benefit from collaborative efforts between the private sector and universities to design curricula that meet the needs of the market. In the future, education may become more application-specific and is not limited to the classroom, but will also involve the application in real situations.

Therefore, the University has revised and redesigned the curriculum to produce a workforce that satisfies the needs of the industrial sectors and the desire of the students. From the economic standpoint, developed countries categorize products and services into 3 groups, which are 1. agriculture and food 2. creative and 3. high value technology.

Reflecting education quality with QS Graduate Employability Rankings

Quacquarelli Symonds (QS), an international higher education institution ranking company based in the UK, has officially published QS Graduate Employability Rankings 2022, and Thammasat University ranks number 3 of the ASEAN countries and shares the number 1 position of Thailand with Chulalongkorn University. In the global ranking, Thammasat comes in the range of 141–150 rank, which is better than last year’s ranking in the 171–180 range.

The factors that contribute to Thammasat’s higher ranking are from the advancement in 3 main areas, which are

- 1 Employer Reputation: The score increases from 23.1 in 2020 to 29.1 in 2022.
- 2 Alumni Outcomes: The score increases from 75.7 in 2020 to 81 in 2022.
- 3 Partnerships with Employers: The score increases from 9.5 in 2020 to 19.2 in 2022.

Looking back through the rankings in the past 3 years, we can see that Thammasat makes continual improvement in all dimensions, reflecting the quality of Thammasat’s education and contribution to the society.



Passing on the knowledge to improve Thailand's education system

Action Research: Competency-based Education in Pilot Schools

Bualuang Kor Kan Kru Project for Teachers is a collaboration project between Faculty of Learning Sciences and Education, Thammasat University and a network of education and human development institutions with the goal to create a social change with education. The team realizes that teachers are the real 'change agents' who are the key factors in the education system because teachers are responsible for framing mindsets, leading the learning process, cultivating leadership skills, and developing the potential of the children and youth who will become Thailand's future.



This project focuses on training teachers who have potential to become 'change agents' through 3-year training and potential development courses with the following objectives:

- 1 To investigate an efficient guideline for teacher and school administrator potential development for competency-based education
- 2 To investigate an efficient guideline for competency-based education development for application in schools with different contexts
- 3 To study the effect and the change on teachers, students, and other participants after trying the competency-based education

Creative Learning Innovation on Clean Energy Project

Creative Learning Innovation on Clean Energy Project has the objectives to cultivate energy education and promote energy literacy among Thai youths, starting from creating understanding of clean energy with 'clean energy teachers' as the change agents. This project receives support funding from the Power Development Fund, Energy Regulatory Commission and cooperation from Office of the Basic Education Commission, Ministry of Education.

Thammasat University recognizes the importance of clean, environmentally friendly energy options and is determined to promote understanding and knowledge of clean energy through learning

process design to create energy literacy in students and youths. This project focuses on training teachers from high schools and vocational schools on designing and developing creative learning innovation on clean energy. The learning innovations from the project participants include those that are designed based on in-class research and those that integrate learning about energy with different subjects. The ultimate goal of this project is to educate the youth on the key knowledge about energy with the hope that they will become a strong driving force for the development of smart energy innovations in the future.





ACHIEVE GENDER EQUALITY AND EMPOWER ALL WOMEN AND GIRLS

Thammasat University recognizes and values the importance of gender equality and non-discrimination. The University promotes the equality of people of all genders, regardless of whether their gender identity corresponds with the sex determined at birth, by creating official policies and declaration of intent, organizing anti-harassment projects and activities, improving proportion of women enrollment and outreach programs, promoting proportion of women with executive positions or professorship, and providing education and training on gender equality and gender diversity.

Proportion of women enrollment and outreach programs

The total number of female students who are enrolled in bachelor master and doctoral programs of Thammasat University during the 2017 – 2021 academic years is 136,585 students, accounting for 63.99 % of the total number of students.

The number of first-generation female undergraduate students enrolled during the 2021 academic year is 1,010, accounting for 2.29% of the total number of female students.

Number and proportion of women’s application rate during 2018–2021 academic years

Academic year	2018	2019	2020	2021
Number of women’s application rate	4,752	6,515	15,608	14,940
Total number of application rate	7,354	10,644	23,997	22,905
Percentage	64.62	61.09	65.04	65.23

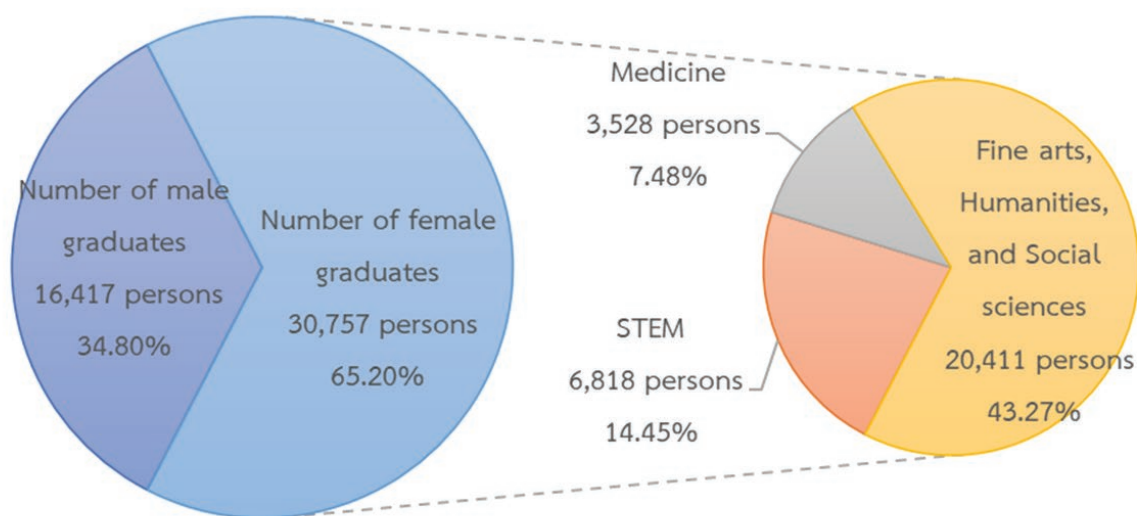
The total number of graduates of Thammasat University during 2017 – 2021 academic years is 47,174 students, 30,757 of which are women, accounting for 65.20% of all graduates. The number of female graduates in STEM, medicine, fine arts, humanities and social sciences is 30,757, accounting for 100% of the female graduates and 65.20% of all graduates.

The number of female graduates in STEM is 6,818, accounting for 22.17% of the female graduates and 14.45% of all graduates.

The number of female graduates in medicine is 3,528, accounting for 11.47% of the female graduates and 7.48% of all graduates.

The number of female graduates in fine arts, humanities and social sciences is 20,411, accounting for 66.36% of the female graduates and 43.27% of all graduates.

Number of graduates in 2017-2021



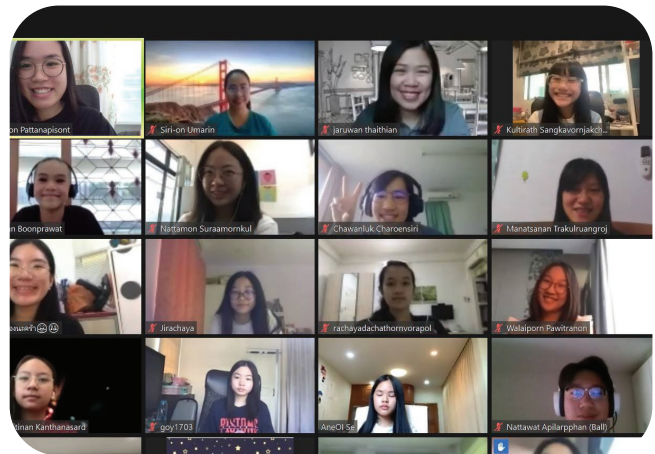
Proportion of women with executive positions or professorship

The total number of faculty or staff in academic or upper-level executive positions in Thammasat University and the faculties is 1,307 people, 683 of which are female accounting for 52% of the total number. Comparing to the proportion of the incumbents of the House of Representatives of Thailand with a total of 494 members and 76 of which are female, equivalent to 14%, and the proportion of the incumbents in the Cabinet of Thailand with a total of 35 members and 4 of which are female, equivalent to 11.43%, the proportion of women in position in Thammasat University shows that the University recognizes the importance of the equality of individual status and encourage women to play a role in administration of the University, faculties, or divisions and to show their potential in various fields without discrimination or obstruction.



Training and workshops for female students

Sirindhorn International Institute of Technology (SIIT), Thammasat University in conjunction with IEEE Control System Society, Thailand Chapter and Srinakharinwirot University Prasarnmit Demonstration School hosted an online workshop on the topic of “The Girl in Control” to foster imagination and encourage learning about science, technology, and engineering in children, especially girls, to promote their interest in applying scientific knowledge in solving problems in everyday life and pursuing education in engineering.



เวิร์คช็อปสรุปกิจกรรม Concluding Workshop

พ.ศ. 27 9:00 - 12:00 น. ภาษาไทย

ร่วมสนุกกับเกมส์และพูดคุยแลกเปลี่ยนประสบการณ์กับ
Trainers จากคอร์สพัฒนาทักษะ Girls in ICT 2021
 และการนำเสนอผลงานในหัวข้อ
“Future World : โลกอนาคต”

School of Global Studies together with other agencies hosted “Girls in ICT Day Thailand 2021” with the aims to encourage girls and young women to pursue studying STEM, enhance their level of digital skills, raise awareness on meaningful and safe use of ICT, and strengthen the Girls in ICT day online community.

Official policies and declaration of intent

Thammasat University has issued the following policies and declaration of intent to promote gender equality:

1 Thammasat University Notification on Policy on Gender Equality and Non-Discrimination against Women, LGBT People, and People with Disabilities that designates a policy and practice guideline that focuses on protection from any discrimination or disadvantage in education or employment, raising awareness on the importance of gender equality and non-discrimination, as well as creating facilities that accommodate lives of people of all genders.

2 Thammasat University Notification on Student Practices and Dressing of Students Whose Gender Identity or Sexual Orientation Does Not Match Their Assigned Gender at Birth, B.E. 2563 (2020) that designates the practice guideline that gives students whose gender identity or sexual orientation does not correspond with their assigned gender the rights to dress and use photos of themselves with student uniforms and academic gowns that match their sexuality for the graduation ceremony.

3 Declaration of Intent “The Promotion of Equality and the Elimination of Gender Discrimination in Compliance with the Gender Equality Act B.E. 2558 (2015)” as of March 2, 2020 announced Thammasat University’s intention to comply with Gender Equality Act B.E. 2558 (2015) together with Department of Women’s Affairs and Family Development, Ministry of Social Development and Human Security. This declaration of intent proposes a practice guideline to promote gender equality and eliminate gender discrimination in all aspects, which include attire; provision of facilities; recruitment and qualification requirements; language, gestures, and written documents; recruitment of committees or other positions in the organization; and prevention and elimination of sexual abuse and harassment in workplace.

The appointment of Sexual Safety and Sexual Awareness Promotion Board of Thammasat University started in 2019 and continues up to the present. This Committee is responsible for setting policy, strategic plans and action plans in the area of Thammasat University that recognize and take into account the subtlety of differences between genders, organizing activities that respect human dignity and honor all individuals, preparing comprehensive preventive and corrective measures against sexual abuse or harassment and other related processes, as well as defining the processes of petition submission and assistance for victims of sexual abuse, harassment, or discrimination.

Thammasat University recognizes the importance of protection of individuals from humiliation, defamation, or disrespect of human dignity and protection of their right and freedom to express their identity through language, gestures, attire, or appearance, regardless of their sexual orientation or gender identity. According to

Thammasat University Notification on Policy on Gender Equality and Non-Discrimination against Women, LGBT People, and People with Disabilities and Thammasat University Notification on Student Practices and Dressing of Students Whose Gender Identity or Sexual Orientation Does Not Match Their Assigned Gender at Birth, B.E. 2563 (2020), all agencies of Thammasat University must strictly follow the guidelines for non-discrimination against women and LGBT people, eliminate discrimination or obstruction in all forms, and support to people of all genders to joined as directors at all levels. In addition, all agencies must ensure that the applicant’s qualifications for admission, scholarship, and educational and work skill development are not limited by gender. There is also a policy on protection of witnesses and informants of discrimination cases by concealing personal information to prevent the effects of serving as witnesses in the case.

Anti-harassment project and activities

In 2019, Thammasat University, together with The United Nations Entity for Gender Equality and the Empowerment of Women (UN Women) and domestic partners, including Thai Health Promotion Foundation and non-governmental organizations that work on gender diversity rights and health, launched a project to end sexual harassment in educational institutions and promote sexual safe-

ty and awareness, under the concept of “TU Say No To Sexual Harassment on Campus. We are ‘Generation Equality’.”. The goals of this project are to promote and protect human rights for people of all genders, to create a social network with a mechanism to survey, monitor, heal, and ensure justice for everyone, as well as to create security and confidence in living in the University.

In 2020, the University has extended its partnership on Safe and Fair project with the European Union (EU), UN women, and International Labour Organization (ILO) in implementing Spotlight Initiative project to extend the results on termination of discrimination against women migrant workers and violence against women through "Spotlight Training Camp". The student participants not only acquire the knowledge, understanding, and positive attitude toward migrant workers, but also have the opportunity to work with women migrant workers in presenting solutions to violence against women migrant workers. This project also led to the

formation of "TU Changemaker" student activity group that leads the students in building awareness and driving the effort in gender equality and non-discrimination within the University. Thammasat University is the first university in Thailand that officially issues a policy to prevent and respond to sexual harassment and violence against women and promote gender equality with the supports from the regional UN Women, and is the first university in Asia with which the UN considered creating a formal partnership in announcing the ratification of gender equality.





ENSURE AVAILABILITY

AND SUSTAINABLE MANAGEMENT OF WATER AND SANITATION FOR ALL

The quality of water supplies and bodies of water is a vital factor for good quality of life on campus. Thammasat University strives to provide the students, staff, and visitors access to clean water, both for consumption and general use, and to keep the lakes and canals all over the campus clean for water reuse and a pleasant environment.

Free Drinking Water for All on Campus

There are drinking water dispensers in every building on campus. Drinking water is provided free of charge to promote student and staff to use reusable containers and to reduce single-use plastic bottles. Access to clean water is a basic right for all students and staff in educational institutions to support good hygiene and reduce their expenses. The water filters in the dispensers are replaced monthly, and the water quality is regularly checked.



Clean drinking water for surrounding communities

Besides ensuring the hygiene of the water system on campus to promote good health of the students and staff, Thammasat University also realizes the importance of providing the surrounding communities with thorough access to clean and safe drinking water. Thammasat University through TU100: Citizens and Problem-Solving course has procured water dispensers for the communities in the neighborhood, including Ban Man Khong community, Siriphap community, and Khung Pha Phap community.



Water Supply Quality Testing in Dormitories

The campuses of Thammasat University are small communities that combine several types of buildings, such as educational centers, residential buildings, and sports facilities. The quality of tap water in the university is thus crucial, especially in the dormitories that service a lot of students. When there are complaints on discolored water, Thammasat university requires

the water supply company to urgently perform water supply testing under the observation by student representatives. The water supply company is also responsible for sending water quality daily and monthly reports to the University to ensure the quality of water supply on campus and the safety of all users.



Water sampling from a main water supply



Water samples that students collect from dormitories for water quality testing

Central Lab

รายงานผลการทดสอบ

วันที่ออกรายงาน 20 มิถุนายน 2565
 เลขที่รายงาน TRBK65/2834
 หน้า 03/03

รายการทดสอบ	ผลการทดสอบ	หน่วย	LOD	วิธีทดสอบอ้างอิง
Manganese (Mn)	0.0111	mg/L	0.0005	In-house method TE-CH-126 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23 rd Edition, 2017, Part 3030 E by ICP-MS Technique.
Mercury (Hg)	Not Detected	mg/L	0.0002	In-house method TE-CH-126 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23 rd Edition, 2017, Part 3030 E by ICP-MS Technique.
Zinc (Zn)	Not Detected	mg/L	0.0005	In-house method TE-CH-126 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23 rd Edition, 2017, Part 3030 E by ICP-MS Technique.
Coliforms	Not Detected	per 100 mL	-	Standard Methods for Water and Wastewater, APHA, AWWA, WEF, 23 rd Edition, 2017, Part 9220 B by Membrane Filtration Technique.

Example of water supply quality monthly report to ensure the water quality satisfies PWA's Water Supply Quality Standards according to WHO's recommendations.



Water quality testing equipment on the apparent color, turbidity, pH, and TDS (total dissolved solids) value of the water supply. Students participate in collecting water supply, testing water quality and monitoring water quality.

Wastewater Treatment System Renovation

Thammasat University has a central wastewater treatment system that can treat up to 3,000 to 5,000 cubic meters of wastewater. It receives wastewater from all buildings in the university through an underground drainage system. The current treatment system is an aerated lagoon that has been in use since the Rangsit Campus was constructed. Some of the instruments have deteriorated and are now being replaced and upgraded to increase the efficiency of the treatment, especially in the aeration, pumping, and automatic chlorination systems.



The treated wastewater is discharged back to the canals in the University that can be used for several purposes, such as watering plants, maintaining the ecosystem, and serving as a recreational area, so the quality control of wastewater and the treatment system are crucial.

Besides, Thammasat University has a plan to switch to a wastewater treatment system that utilizes electricity to remove pollutants, reduces the use of chemicals, and allows the effluent to be re-used. The new treatment system will be a zero-liquid discharge system to reduce the use of water supply and minimize wasting water resources.



Raising public awareness on the value of water

Water is a resource that everyone needs and, thus, is of utmost importance. Conservation and preservation of water resources can ensure higher quality of life as well as prevent potential negative impacts on human health and the environment. Thammasat University is involved in the activities that support the preservation of canals on campus to raise awareness on the value of water. The participatory activity attracts and engages a number of students, faculty members and staff and helps in developing a mindset for environmental conservation in them.





ENSURE ACCESS

TO AFFORDABLE, RELIABLE, SUSTAINABLE AND MODERN ENERGY FOR ALL

In the current situation where energy shortage is becoming more urgent and severe, a sustainable approach to energy usage and production is necessary. Thammasat University makes efforts in increasing the energy efficiency of buildings and the infrastructure, converting from fossil fuel-based energy to renewable energy, and creating learning opportunities for the public on the importance of energy management.

University measures towards affordable and clean energy

1 Changing Air Conditioning System in School Buildings

The school buildings in Thammasat University Rangsit Campus have been in use for a long time, so several utility systems have deteriorated, including the central air-conditioning system which uses a chiller and a network of ducts to cool the whole building. Coupled with the ongoing COVID-19 situation which causes most classes to become hybrid or completely online, the need for classroom usage drops. The air conditioning systems in the school buildings are now being replaced by smaller systems that cool each classroom individually, which reduces cooling unnecessary areas. Several buildings in Rangsit Campus are LEED certified buildings of which the open areas are designed to utilize natural ventilation, the use of individual air conditioning systems is thus an appropriate choice to save on energy consumption.



2 Switching to electric vehicles

The service vehicles used on Thammasat campuses used to be fossil fuel based, including: On-campus service shuttle buses that accommodate up to 35 passengers each. A fleet of 20 NGV shuttle buses offers 14 trips daily with a trip distance of 6–8 kilometers. The approximate monthly fuel consumption is 12,000 kilograms. Service buses for personnel that accommodate up to 53 passengers each. A fleet of 10 diesel-powered buses offers 2 trips daily with a trip distance of 40–60 kilometers. The approximate monthly fuel consumption is 9,500 liters. At present, Thammasat University has replaced all service buses with electric vehicles, which not only saves on the fuel consumption but also reduces carbon footprint.

The average monthly carbon footprints of the NGV shuttle buses and the diesel-powered buses are 33.8 and 25.6 tons of carbon dioxide equivalent (CO₂e).(1) The new fleet of electric service buses for personnel consumes approximately 24,700 kW of electricity per month, and the electricity that is used for charging is from the grid. This is equivalent to a carbon footprint of 12.1 tons CO₂e(2) or a reduction of 53% in carbon emissions compared to the fossil fuel counterparts. There is a plan to use electricity from solar panels to charge the electric vehicles, which will further reduce the carbon footprint and make all the service buses become zero emission vehicles.

(1) Calculated based on the data and calculation from the LESS Project

(2) Calculated based on TGO's emission factor of electricity with the grid mix from 2016-2018, updated in April 2022



3 Replacing 100% of streetlights with LED bulbs

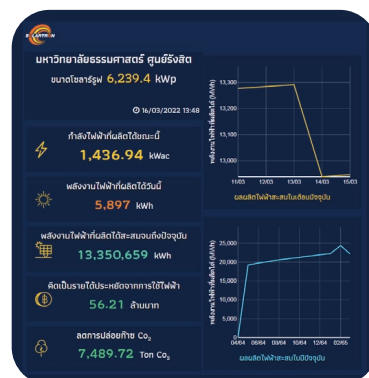
This is a project that continues from the previous year where a portion of streetlights have been replaced with regular and solar-powered LED bulbs to increase the luminous efficacy and reduce the energy consumption. Since August 2022, 100% of the streetlights in Rangsit Campus have been replaced with LED bulbs.



University measures towards affordable and clean energy

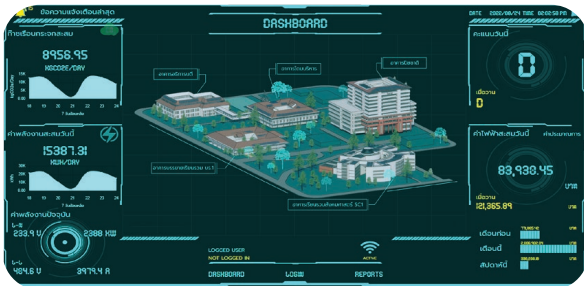
1 Energy management monitoring platform

Thammasat University can monitor the energy production from solar panels in real time through websites, which are the website created by the solar panel installation company and the Electricity Generating Authority of Thailand (EGAT) website that can verify the readings from electricity meters. These platforms can be used to cross-check each other's report on the energy power produced from solar panels.



Website for energy production monitoring created by the solar panel installation company

Besides, Thammasat University has installed monitors that report the electricity production and usage of each building to raise awareness of the students and staff on the value of clean energy.



▲ TU Energy real-time monitoring is installed in campus buildings to report real-time energy production and consumption



▲ Energy usage real-time monitoring system

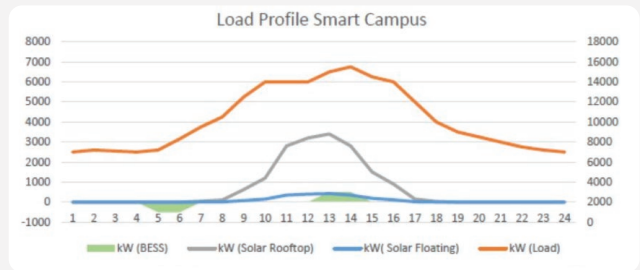


▲ TU smart energy management with cooperative with EGAT has been broadcasted on Channel 3 Thailand News, aired on 30 July 2022

In the next step, the university can conduct a campaign to reduce energy usage in peak hours that can raise awareness in students and staff and reduce overall energy usage in the university.

4 Smart battery installation

Thammasat University has received support from ERC Sandbox Project, which is a collaboration between Thammasat University and Electricity Generating Authority of Thailand (EGAT), to implement an energy technology trial. At present, a battery energy storage system has been installed to store excess electricity produced from solar panels during daytime for later use during peak hours. EGAT's energy storage system automatically starts charging at 8 pm and discharging at 9 am. According to the TOU electricity meter, the use of batteries can save the electrical expense by about 400,000 THB per year, and the tracking systems allow users to quickly monitor the energy usage.



- kW (BESS) = Electrical power from battery energy storage system
- kW (Solar Rooftop) = Electrical power from rooftop solar panels
- kW (Solar Floating) = Electrical power from floating solar panels
- kW (Load) = Electrical loads in the buildings

Besides the battery system, an electricity consumption monitoring system has also been implemented. It allows real-time tracking of electricity consumption through a website which can report the consumption from specific rooms and buildings. This technology can support a local electricity trading system to encourage the optimal use of clean energy on campus.



▲ Battery energy storage system installation

Energy and community in school

1 Energy Learning Center

Thammasat University has a plan to establish an Energy Learning Center for people interested in energy management. Each section in the learning center will be planned out by the energy organizations that collaborate with the University.

The Solar Energy section will be organized by Solartron Public Co. Ltd. The Battery Innovation for Energy Management section will be planned by the Electricity Generating Authority of Thailand. In addition, this learning center will also provide a co-working space for the exchange of information, knowledge, and ideas on energy innovations.





PROMOTE SUSTAINED,

INCLUSIVE AND SUSTAINABLE ECONOMIC GROWTH, FULL AND PRODUCTIVE EMPLOYMENT AND DECENT WORK FOR ALL

Thammasat University values and contributes to economic growth support in local communities. The University also recognizes labor rights and ensures a good work environment for all personnel in Thammasat University.

Employment Practice

1 Benefits for Thammasat University Personnel

Faculty members and students are important parts that drive the work in the University and the dissemination of knowledge to the students and the society. However, these works would be impossible without the personnel in the support section.

In this regard, Thammasat University supports the welfare benefits of the employees of the University in all categories, including civil servants, university employees, permanent employees, employees from university income, and temporary employees, with the allocation benefits, funds and grants for the personnel such as Social security fund, Life and health insurance benefit, Disaster relief grants, Housing benefit, Provident fund, Credit fee support during master’s degree education, and Child education benefits.

Besides, Thammasat University also gives priority to the health of our staff by providing them with necessary benefits, including basic health benefits and flexible health benefits. The flexible health benefits help cover other health



expenses beyond the treatment cost, such as the expenses for health check-ups, extra health insurances, vision care, gym membership or activity, and fitness equipment, to ensure that all staff are healthy.

2 Happy Workplace

In addition to the allocation of necessary benefits to promote the welfare of employees in the University, having a proper working area is another important point that can encourage employees to perform their work efficiently and safely. Thammasat University recognizes the importance of such issues, therefore, we consistently manages the safety, occupational health and work environment, such as organizing meetings, surveying work safety practices, and checking the statistics on the hazards in the building including accidents, illnesses, and annoying incidents that interfere with the work and analyzing all the data to improve the safety of the employees.

Each faculty has established its own committee board to regularly monitor the working environment and organize related activities or trainings, such as:

- **“Workplace Change Strategy” training by the Faculty of Architecture and Planning**

A training for an adaptation of the workplace environment to be the most suitable for work, as well for the management of spaces in the building by using the analysis of data from the building structure, and most importantly, from the users and their quality of work.

- **CIS Happy Café: Knowledge management for happiness at work by the College of Interdisciplinary Studies**

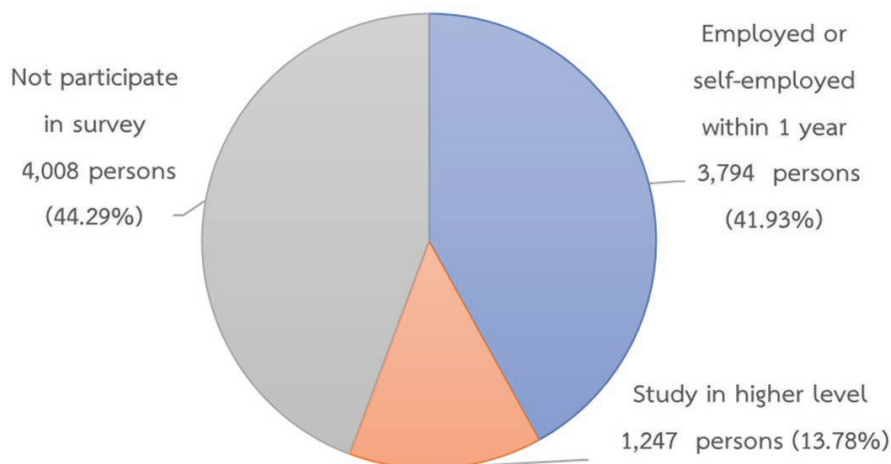
CIS Happy Café is a gathering to create happiness in a workplace by organizing recreation activities such as cooking, folk sports competitions, handicrafts, to build relationships in the organization and allow the employees to exchange ideas and viewpoints to become more understanding, making work more efficient.

Proportion of graduates who are employed

Thammasat University pays great attention to the employment of graduates and has conducted an annual survey on graduate employment. In 2021, there were a total of 9,049 graduates from 115 courses. From the survey, 5,460 graduates participated and provided their employment information, which accounts for 60.34% of the total

number of graduates. The number of graduates who became employed or self-employed within 1 year after graduation was 3,794 people, equivalent to 41.93% of all graduates who participated in the survey. The average income was 27,393 per month. In addition, the survey found that 1,247 graduates pursued further study.

Proportion of employed graduates



Circular Economy Promotion Project for the communities

Thammasat University emphasizes on contributing knowledge to the development of the economy in communities to support sustainable income. Organizations in the University cooperate with government agencies to help expand knowledge into the community to contribute to sustainable local development such as:

Integrative Sub-District Economic and Social Development Project: University to Tambon (U2T) in Bang Krabue sub-district, Sam Khok district, Pathum Thani province

It is a project that utilizes the University's knowledge to develop communities in a variety of dimensions, both in improving the skills of the community members, developing local economy, and upgrading creative tourism and health care for the community. For this project, Thammasat University is responsible for the area in Bang Krabue sub-district, Sam Khok district, Pathum Thani province, and 48 sub-districts in Lampang, Nan, and Chiang Mai provinces

Products from this activity are published online at <https://u2t.ac.th/community-business/detail/168>



Thammasat Model Project

It is a project by Thammasat Business School with Community Friend Association that was established by 5 entrepreneurs in Map Ta Phut area, Rayong province to help the surrounding communities. All parties bring their strengths together to improve the quality of life of the community. This creates opportunities for students to learn and practice with the communities' participation in solving the problems, so that the communities can continue sustainably after the knowledge transfer process that allows them to solve problems and achieve their goals.

This project has been ongoing for 15 years, starting as a project in Accounting/Business Administration for Society and the Nation course of the 5-year Bachelor-Master program. It was changed to TU100: Civic Engagement in 2018.

Discussion to drive economy and employment-related mechanisms

In addition to improving the local economy by directly solving the community problems, Thammasat University also recognizes the importance of using our knowledge to drive the change in mechanisms related to the economy and employment by organizing the following related discussions:

- Seminar on “Contract Farming: Mechanism that causes agricultural product price fluctuation?”

This is an academic seminar by the Faculty of Law on contract farming to promote understanding and importance of the Contract Farming Promotion and Development Act, B.E. 2560 (2017) and its impact on agricultural commodity prices and on entrepreneurs.

- Online seminar on “Sectoral Wage Share and its Decomposition in Developing Countries with Unlimited Supplies of Labor”

It is an academic seminar on fair and appropriate wages organized by the Faculty of Economics in cooperation with the Center for Research on Inequality and Social Policy (CRISP) to promote equality in employment and payment rates that are appropriate for the living cost in Thai society.





BUILD RESILIENT INFRASTRUCTURE,

PROMOTE INCLUSIVE AND SUSTAINABLE INDUSTRIALIZATION AND FOSTER INNOVATION

As a higher education institute, Thammasat University recognizes the importance of creating new innovations and has made contributions in driving innovations in various dimensions.

Electric Wheelchair for Healthy Development of Children with Cerebral Palsy and Muscle Weakness

Nowadays the public pays more attention to the problems and difficulties experienced by children with cerebral palsy and muscle weakness, but the attention is still not enough to inspire an innovation to alleviate the problems or help with healthy development of the children. A team of students from Thammasat School of Engineering recognized that children with cerebral palsy and muscle weakness can benefit from interactions with non-disabled children in terms of their development, but their limitation is in their body movement, so they came up with an idea to develop electric wheelchairs for children with cerebral-palsy and muscle weakness. The movement of the wheelchairs is driven and controlled through the main wheel that is connected to an electric motor. They can travel at 5 different speeds which are controlled with a joystick.

The front and rear wheels work as support wheels using a parallel link mechanism to keep all the wheels normal to the ground. The seats can also be detached from the frame and changed to a set up for standing position so that the children can change their posture for various activities. This wheelchair innovation from the students of Thammasat School of Engineering won a gold medal from Thailand Inventors' Day 2020, a silver medal from I-New Gen Award 2020, Merit Awards from i-CREAtE 2020 in Taiwan, and 3rd Runner Up Award from Motor Expo 2019. The developed wheelchairs have been delivered to Sirindhorn School of Prosthetics and Orthotics, Faculty of Medicine Siriraj Hospital, Mahidol University for prototype testing, and the feedback will be used for further improvement of the design.

Real-time Mask Usage Analysis and Report

The Ministry of Higher Education, Science, Research and Innovation together with National Research Council of Thailand and Thammasat University have developed a real-time mask usage analysis and report software based on AI technology to support the operation of the Coronavirus Disease 2019 (COVID-19) Management Center.

This innovation uses an image and video processing technology to detect and count the number of people wearing or not wearing a protective mask and determine if the mask is worn properly. It leads to the assessment of the behaviors of the visitors and the level of risk in specific areas.

Thammasat University takes pride in our role as the University for the People, so in the event of a national crisis, Thammasat always strives to help in alleviating and resolving the issues. As an educational institution with faculty members, resources, knowledge, research in various fields, Thammasat will never hesitate to use our capabilities for better life of the people.

AI Chest 4 All: Artificial Intelligence Software for Diagnosis from X-ray Radiographs

Ozone sterilizer innovation is another choice to prevent the spreading of COVID-19 virus. The ozone sterilizer can be used to kill COVID-19 virus and bacteria in a closed area. Its principle is producing ozone gas from electrochemical reactions in a corona discharge ozone generator to a concentration that is enough for sterilization. This sterilizer consists of a blower fan that distributes the ozone gas in the closed area, including hard-to-reach areas such as under the table, small nooks, and airless gaps. After the sterilization is finished after the set time, the sterilizer will stop automatically, and the produced ozone will disintegrate naturally in 50-60 minutes at room temperature. However, it is advised to leave the area open to fresh air for 30 minutes before use. In the future, this ozone sterilizer can be further developed for use in classrooms with special functions, such as filtering particulate matters and musty smell and accelerating the ozone elimination time so that the classrooms can be used in less than 60 minutes.

TSE UVC Sterilizer

UVC radiation has a potential to completely kill COVID-19 virus. TSE UVC Sterilizer was designed and developed by Thammasat School of Engineering in the form of a 1.2-meter-tall pole equipped with 4 UVC lamps that have enough power to destroy the cell walls of COVID-19 virus. The lamps on the pole are installed at a 20-degree angle so that the radiation can reach the ground. This kind of sterilizer is appropriate for use in large spaces, such as public markets. Advantages of UVC sterilization is that all the virus on the surface that is exposed to the radiation is completely killed and it does not require manual labor, unlike sterilization with alcohol. The cost of production of this UVC sterilizer is only 3,000-4,000 THB.

Thammasat University, as the University for the People that has several campuses in key strategic areas of Thailand, has always contributed to the improvement of the quality of life of the residents in the vicinity along with providing the public with academic services. During the national crisis due to COVID-19 that has a widespread impact on the people, Thammasat takes it upon themselves to create new innovations that can help relieve the situation.

Ozone Sterilizer for COVID-19

Ozone sterilizer innovation is another choice to prevent the spreading of COVID-19 virus. The ozone sterilizer can be used to kill COVID-19 virus and bacteria in a closed area. Its principle is producing ozone gas from electrochemical reactions in a corona discharge ozone generator to a concentration that is enough for sterilization. This sterilizer consists of a blower fan that distributes the ozone gas in the closed area, including hard-to-reach areas such as under the table, small nooks, and airless gaps. After the sterilization is finished after the set time, the sterilizer will stop automatically, and the produced ozone will disintegrate naturally in 50-60 minutes at room temperature. However, it is advised to leave the area open to fresh air for 30 minutes before use. In the future, this ozone sterilizer can be further developed for use in classrooms with special functions, such as filtering particulate matters and musty smell and accelerating the ozone elimination time so that the classrooms can be used in less than 60 minutes.



REDUCE INEQUALITY

WITHIN AND AMONG COUNTRIES

Thammasat University recognizes the importance of reducing inequality in all dimensions, especially in equal access to education, necessary knowledge and skills, and job opportunities. The University has issued policies and practice guidelines and created activities to reduce inequality and ensure equal quality of life for all.

Proportion of students with disabilities, first-generation students, and international students from developing countries

The total number of students with disabilities who are enrolled in bachelor's, master's, and doctoral programs of Thammasat University during the 2021 academic years is 167 students, accounting for 0.35% of the total number of students, which is the 4th highest in public universities in Thailand. The total number of students of Thammasat University during the 2021 academic year is 44,053 students, 1,605 of which are first-generation undergraduate students, which accounts for 3.64% of the total number of students.

The total number of international students from developing countries who are enrolled in bachelor's, master's, and doctoral programs of Thammasat University during the 2021 academic years is 1,266 students, 2.68 accounting for % of the total number of students.



Proportion of staff with disabilities

In 2022, the total number of employees in Thammasat University is 9,211 people, **16 of which are people with disabilities, accounting for 0.17% of the University's manpower.**

In 2021, the total number of employees in Thammasat University is 8,855 people, **17 of which are people with disabilities, accounting for 0.19% of the University's manpower.**

In 2020, the total number of employees in Thammasat University is 8,899 people, **13 of which are people with disabilities, accounting for 0.15% of the University's manpower.**

Recruitment program of underprivileged students and staff

Thammasat University realizes the importance of access to the educational opportunities of those who are interested in pursuing further education by issuing the following policies on admission of underprivileged students and expansion of educational opportunities:

1

Student with Disabilities Project that recruits persons with disabilities, with a quota for 63 students per academic year. The proportions of eligible applicants with disabilities in each academic year between 2019 – 2021 are as follows:

In 2019 academic year, there were 7,758 eligible applicants, **21 of which are persons with disabilities, accounting for 0.27% of the total eligible applicants.**

In 2020 academic year, there were 10,128 eligible applicants, **18 of which are persons with disabilities, accounting for 0.18% of the total eligible applicants.**

In 2021 academic year, there were 9,670 eligible applicants, **19 of which are persons with disabilities, accounting for 0.20% of the total eligible applicants.**

Thammasat University monitors and evaluates of the outcomes of Student with Disabilities Project, i.e. monitoring academic performances of students with disabilities twice per academic year and following up on employment and further studies in postgraduate level of the graduates with disabilities. From the evaluation, not less than 70% of the students with disabilities can maintain GPAX not lower than 2.00, and not less than 80% of the graduates with disabilities become employed or continue in postgraduate study.



2

Thammasat Scholarship for Underprivileged Students with Academic Excellence in Rural Areas recruits underprivileged individuals whose family gross income does not exceed 240,000 THB per year and who are residents of the specified provinces. In each academic year, up to 150 applicants are chosen to receive fully- or partially-funded scholarships in order to promote access to educational opportunities and eliminate the barriers due to social status, economic conditions, domicile, or residence. This scholarship covers monthly expenses, costs for uniform, dormitory fees, tuition fee, medical expenses, accident insurance, and books and stationery allowance.

3

Citizen Volunteer Recruitment Project recruits individuals who participate in citizen volunteer activities both inside and outside school, up to 81 applicants per academic year, to encourage and support those individuals who participate in citizen and volunteer activities including those that benefit others and the society to have access to further education.

4

Outstanding Talent in Sports Project recruits individuals who have a portfolio of outstanding performance in sports, up to 61 applicants per academic year, to encourage and support those individuals who have outstanding talent in 36 types of sports to have access to further education.

5

Graduate Scholarship Program for Excellent Foreign Students by Sirindhorn International Institute of Technology grants scholarships to foreign students with academic excellence to allow access to education until graduation. In 2020 academic year, there were EFS students following countries: 1 student from Bhutan, 1 student from Cambodia, 2 students from Indonesia, 4 students from Nepal, 1 student from the Nigeria, 3 students from Pakistan, 6 students from Sri Lanka, and 5 students from Vietnam.

In addition, Thammasat University has a policy to recruit persons with disabilities to work in agencies or faculties to comply with ministerial regulation prescribing the number of persons with disabilities required to be employed by employers or owners of business facilities and state agencies, and the amount of money required to be remitted to the fund for quality of life promotion and development for persons with disabilities by employers or owners of business facilities, B.E. 2554 (2011) With a proportion of 1:100, in 2016, the university has been authorized by the university board of directors to increase personnel capacity by 10 persons specifically for the recruitment of persons with disabilities by organizing general competitive qualifying examinations that are specific for persons with disabilities.

At present, there are 17 personnel with disabilities in the following positions: audio-visual technical officer; finance and accounting analyst; supply analyst, practitioner level; finance and accounting analyst, practitioner level; and educator, practitioner level.

Policies and practice guidelines

Thammasat University recognizes and values the importance of the countermeasures against discrimination and harassment of all forms, leading to the issuance of policies according to the following University Notifications and declaration of intent:

1

Thammasat University Notification on Policy on Gender Equality and Non-Discrimination against Women, LGBT People, and People with Disabilities designates a policy and practice guideline that focuses on protection from any discrimination or disadvantage in education or employment that is caused by the restrictions on social status, physical status, gender, age, ethnicity, locality, or social class.

This policy requires all agencies in Thammasat University to strictly follow the guideline to reduce inequality. Applicant qualification requirements for positions in Thammasat University will not be limited by social status, physical status, gender, age, ethnicity, locality, or social class, so that every individual has equal access to job opportunities by prioritizing qualifications or skills that correspond with the job description. Decision for admission, scholarship, and educational and skill development are also made without discrimination against gender, age, ethnicity, locality and social class to ensure that all individuals have equal access to education, and all students have access to scholarship as well as educational and skill development. Offenders whose actions are considered as discriminating, limiting, or causing disadvantage because of individual's status are subjected to disciplinary offense.

1

Practice Guidelines for Sexual Molestation or Harassment Prevention and Solution, Thammasat University, designates a practice guideline in compliance with the Penal Code section 397 and Gender Equality Act, B.E. 2558 (2015), which prohibit "(performing or not performing) any act dividing, obstructing or limiting any direct or indirect privilege without fairness on the grounds that such person is male or female or expresses themselves differently from their in-born gender".

Details of the guideline against discrimination and harassment cover the following topics: definitions of sexual molestation or harassment, characteristics of inappropriate behaviors that are considered as sexual molestation or harassment, scope of victim protection, place of incident and feeling of victim, appropriate steps in case of potential sexual molestation or harassment, including the process petitioning a complaint about sexual abuse or harassment, and the measures for petitioner and witness protection. In case of sexual abuse or harassment, the offender, either student or staff, will be given disciplinary offense as the University has designated, and if the action is considered a criminal offense, the offender will be prosecuted by laws.

1

Declaration of Intent "The Promotion of Equality and the Elimination of Gender Discrimination in Compliance with the Gender Equality Act B.E. 2558 (2015)" as of March 2, 2020 announced Thammasat University's intention to comply with Gender Equality Act B.E. 2558 (2015) together with Department of Women's Affairs and Family Development, Ministry of Social Development and Human Security. This declaration of intent proposes a practice guideline to promote gender equality and eliminate gender discrimination as well as prevention and elimination of sexual abuse and harassment in workplace.

In addition to the issues policies, Thammasat University also established Sexual Safety and Sexual Awareness Promotion Board 2019 to regulate and manage all issues related to sexual safety and gender equality. This Committee comprises 15 specialists from within and outside of Thammasat University and is responsible for setting policy, strategic plans and action plans in the area of Thammasat University that recognize and take into account the subtlety of differences between genders, organizing activities that respect the human dignity and honor all individuals, preparing comprehensive preventive and corrective measures against sexual abuse or harassment and

other related processes, as well as defining the processes of petition submission and assistance for victims of sexual abuse, harassment, or discrimination.

Sexual Abuse and Harassment Investigation Subcommittee, consisting of 8 experts and representatives of the students and staff, was established with the responsibilities to investigate, collect evidences, and summarize the facts from sexual abuse or harassment cases that occur to the students of Thammasat University and report to the Sexual Safety and Sexual Awareness Promotion Board of Thammasat University for further actions.

Support services for persons with disabilities

Thammasat University recognizes the importance of equal access to opportunities and services, regardless of individual status or restrictions. To support persons with disabilities, the University has established Disability Support Services to serve and support students with disabilities in various aspects with main responsibilities to support and help students with disabilities to access education and live in the University independently without obstacles and on equal terms with other people, so that the students achieve educational success and the graduates become employed. Disability Support Services offers the following services and supports:

- 1 Organizing educational guidance for students with disabilities
- 2 Organizing orientation and the project to prepare students with disabilities prior to attending the University
- 3 Supplying volunteers or buddies to help students with disabilities
- 4 Assisting during enrollment, adding or withdrawing from a course, midterm and final examinations, supplementary classes and tutoring, as well as tracking academic performances and organizing study plan
- 5 Providing financial support (tuition fee)
- 6 Providing technological facilities, class materials, dorm rooms, and other physical environments that are suitable for students with disabilities
- 7 Counselling services for academic and personal issues
- 8 Potential development training for students with disabilities
- 9 Assisting graduates with disabilities with employment

Thammasat University has organized the following services for persons with disabilities:

- 1 Equipment and tools, including desktop image and letter magnifiers, portable image and letter magnifiers, white canes, braille displays, braille note-taking devices, electric wheelchairs, manual wheelchairs, wheelchair movers, electric adjustable computer desks, desktop computers, notebook computers, tablets for note taking, subtitles, voice recorders, and hearing aids
- 2 Physical facilities, including accessible toilets, ramps, handicap parking, signs, elevators, poles, traffic light poles for students with disabilities, and sidewalks for visually impaired students
- 3 Information media facilities, including braille books, audio books, media with magnified texts, and electronic documents

In addition, Thammasat University has appointed The Board of Directors for the Disability Support Services and the Student with Disabilities Project Fund to correspond with the establishment of the Student with Disabilities Project and Disability Support Services in expanding educational opportunities to persons with disabilities who have educational potential. This board is responsible for planning the management and supervising the operations of Disability Support Services and Student with Disabilities Project Fund in various aspects to achieve equality and justice; protect the rights of students with disabilities; manage and coordinate with internal and external agencies to maximize the benefits of students with disabilities; study, plan and design the physical environment of the University for equal utilization of all individ-



uals, as well as to propose guidelines in improving the physical environment of the University so that students with disabilities can live independently and have access to education and all services.

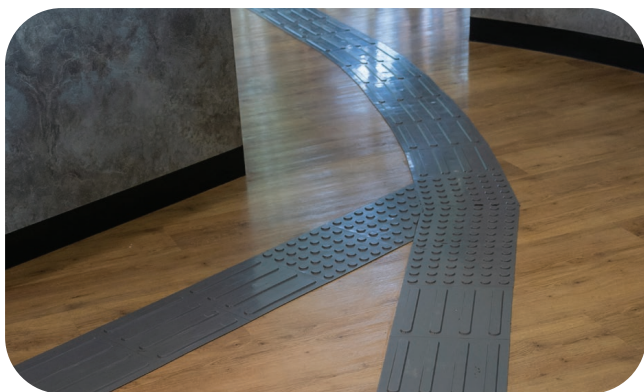
Universal design for all

1 Facilities and housing for persons with disabilities

Thammasat University has a policy to make areas within the University an area of universal design that allows the people of all groups in the Thammasat University and in the society an equal access and utilization of all the buildings. Disability Support Services has implemented projects to improve the physical environment since 2012. So far, 21 projects have been completed which include development of the physical environment to facilitate students with disabilities, such as ramps, accessible toilets, handicap parking, signs, sidewalks for visually impaired students, elevators, etc.



According to Thammasat University Notification on Policy on Gender Equality and Non-Discrimination Against Women, LGBT People, and People with Disabilities which has designated policies and practice guidelines for all sectors to set up areas that are appropriate for the number of people, their limitations, and their gender identities and in accordance with student admission through Student with Disabilities Project, Thammasat University has implemented a policy on the provision of housing for persons with disabilities by providing rooms for all students with disabilities who wishes to stay in the University dormitories. Disability Support Services will submit the list of students who wish to stay in the dormitory together with their disability requirement to Property and Sports Management, which is the agency that manages the University dormitories, to allocate rooms to all students with disabilities. The University also gives students with disabilities the right to specify their roommate (1 student with disabilities can specify 1 roommate) to serve as a buddy or assistance volunteer within the dorm room. This process allows all students with disabilities the right to live in the University dormitory without entering the dorm room reservation process with other students.



In addition, Disability Support Services together with Property And Sports Management has made improvements to the dormitories to make them appropriate for students with disabilities and allow the students to perform daily activities independently. Various parts of Asian Games Dormitory Building C8 has been improved, including 7 dorm rooms (bathroom and emergency button in the room, furniture and other facilities) and 2 access ramps.

2 All-gender restrooms

In addition, all-gender restrooms have been made available on campus which demonstrates Thammasat University's priority on freedom and equality, especially on promoting awareness on gender diversity and expressions that differ from the assigned sex at birth, including reducing

the inequality that arises from the use of toilets that are separated according to gender binary. All-gender restrooms have been established to serve as symbolic and practical expression of the equality of all genders, to create awareness and recognition of gender diversity.



MAKE CITIES AND HUMAN

SETTLEMENTS INCLUSIVE, SAFE,
RESILIENT AND SUSTAINABLE

Thammasat University, the University for the People, aspires to become, safe, inclusive, resilient, and sustainable community for students, staff, and the public.

1 Inclusive

All campuses of Thammasat University are open to everyone regardless of their status, background, or cultural beliefs. Thammasat offers public access to green spaces, educational resources, and significant buildings and monuments. The University also promotes and preserves several forms of arts and local cultural heritage.

Green Spaces

The open, green spaces on the campuses at Thammasat University are completely open to the public. These spaces can be used for recreational activities and social events, and they also help in conserving and restoring ecological balance in the communities.

Rangsit Campus is Thammasat's largest campus with several green spaces available. The latest addition to the campus is Puey Ungphakorn Centenary Hall and Park. Right on top of the amazing historical building is Asia's largest Green Roof Urban Farm. This rooftop farm offers 7,000-square-meter plots for organic vegetable cultivation and serves as an educational space on sustainable, organic, urban farming. Eco-forest Park, next to Puey Ungphakorn Centenary Hall and Park, is another cultivated area that is used as a plant nursery and an educational space for the public to learn about ecological

systems. Green spaces at the Rangsit Campus that are mainly used by the public in the evening especially for exercising are People's Park, a 20,000-square-meter lawn, and Solar Park, which offers large pedestrian walkways alongside an 800-m-long canal and tree corridors. Another open space that is useful to the surrounding communities in the morning and during lunchtime is Suan Tiam, an 8,000 square-meter square near the administration buildings that is a home to several food and beverage shops.



Tha Prachan Campus in Bangkok's Old Town area has limited space, but it still offers access to the public, open spaces. Pridi Banomyong Memorial Lawn is a memorial space named after Professor Banomyong who is a key contributor of Thammasat University. This 5,200-square-meter area is a home to "Dome Organic Garden" which is an



organic urban farm that preserves and restores green space in the city center. Golden Lioness Shrine Waterfront covers a 100-meter stretch along the Chao Phraya River. It is a popular destination for relaxing, dining, and enjoying the river view for the public especially in the evening.

Lampang Campus, with more than 60% of the area covered with large trees, has converted a portion of its campus into an area for ecological conservation and restoration, named "Hybrid Park for Food Security", which is open to the public. This park covers a 32,000-square-meter area and is a home to medium and large reservoirs that are connected to all the on-campus canals. The reservoir system can store up to 48,000 cubic meters of water for use in agriculture and aquaculture.

Educational Resources

Thammasat University accommodates students, staff, and the public in accessing learning resources by allocating areas as learning spaces for people of all ages, including libraries, museums, and exhibitions.

The Public Library at Puey Ungphakorn Centenary Hall is open to the public free of charge, requiring only identification for access. It offers books from various fields, such as literature, art, religion, and philosophy, to service a wide range of people. A key highlight of this public library is the kids and youth book zone. However, other libraries at other Thammasat campuses allow public access with an entrance fee of 20 THB or approximately 0.60 USD.

Thammasat Museum of Anthropology is a public museum that exhibits artifacts for education and research to encourage the understanding of humanity in various dimensions through cultural objects. In addition to being a learning space for students in anthropology and sociology, Thammasat Museum of Anthropology also serves as a learning opportunity for the public on the understanding of humanity and groups of people amidst the diversity of their culture and interaction with the world.

At Tha Prachan Campus, the original campus of Thammasat University, several exhibitions on the history and the main contributors of Thammasat are open to the public. The exhibition in Thammasat University Hall of Fame tells the story of Thammasat University from its inception until the present, starting from "Tha Prachan area development before the establishment of University of Moral and Political Science" which used to be the Front Palace. Thammasat University Archives is an exhibition "Puey the Commoner: Life, Ideology and Works" that commemorates the virtue and contributions of the pioneer who expanded the University to Rangsit Campus. The exhibition in the Pridi Banomyong Monument Room commemorates the life and contributions of Professor Banomyong, the founder of Thammasat University and a senior statesman, to the development of Thai politics.



Culturally Significant Buildings and Monuments

Thammasat University is one of the oldest Universities in Thailand that has played an important role in national politics or governance. The campuses of Thammasat University, especially Tha Prachan Campus, is home to several buildings and monuments of historical and cultural significance that are completely open to the public.



In memory of Prof. Pridi Banomyong, a senior statesman, a leader of the Free Thai Movement and an important figure in the University of Moral and Political Science, Thammasat University constructed Pridi Banomyong Plaza at Tha Prachan Campus and participated in the establishment and preservation of Pridi Banomyong Memorial at his childhood home in Phra Nakhon Si Ayutthaya province.

On the second floor of Dome Building, the inaugural building of the University of Moral and Political Science, is Prof. Dr. Pridi Banomyong's office. During the Second World War, this room was the headquarter for the Free Thai Movement led by Prof. Pridi Banomyong in collaboration with the Free Thai Movement in the UK and the US.



Bodhi Court at Tha Prachan Campus became a symbol of democratic struggle of Thammasat and Thai society after the events of 14 October 1973 when students and civilians gathered here to demand constitution and democracy. Bodhi Court is still used nowadays during demonstrations of the new generation of youths who are anti-government as a platform to express their opinions on politics.

As a physical memory space with characteristics of both a monument for the remembrance of the event and a memorial to the deceased, the 6 October 1976 memorial commemorates Thammasat University's battle for democracy. It now serves as the main site for religious rites for the deceased during the annual memorial events.



Arts and Heritage Contribution

Thammasat University has an important mission to sponsor, promote and preserve cultures. The University promotes several forms of arts, from both Thai and other cultures through classes and clubs, as well as preserving local heritages both in the national and local levels. In FY 2021, the total cost in operation of the University was 365,093,146 USD. The allocated budget for arts and heritage was 16,736,923 USD or 4.58% of the total budget.

Note: The exchange rate is assumed to be 1 USD = 35 THB.

Faculty of Fine and Applied Arts of Thammasat University offers classes on Thai dulcimer, singing, Thai dance and Thai pantomime both in theory and in practice and organizes annual theater performances and Lakorn FATU Festival to showcase the students' thesis performances. Thammasat University also supports students' clubs that focus on art such as: traditional Thai music, western music, Thai performing arts, and Chinese opera. There are currently 10 art-related clubs, each of which organizes its own show every semester and participates in on-campus and outside events.



Thai Khadi Research Institute is the first institution in Thailand that is specifically established for the study of Thai society. At present, the institute focuses on creating new research works and providing academic service to the society to support a community of learning and preserve art and culture.

In 2022, Thai Khadi Research Institute plans to cooperate with Thammasat University Lampang Campus to help in developing cultural travel routes and a local museum in Lampang province. This project is a part of the institute's missions to drive research and academic services related to both tangible and intangible arts and heritage, to promote the application of academic knowledge in developing local areas and to raise awareness on the importance of local heritage.

The University of Moral and Political Science, the original name of Thammasat University, was constructed next to Sanam Luang, which used to be the office of Phra Rajawang Bovorn Sathan Mongkol or the Front Palace. The office of Front Palace was abolished during the reign of King Rama V. Remnants of the Front Palace Wall have been discovered during the excavation for the construction of the new Multi-purpose Building 2 and are now preserved and exhibited at Tha Prachan Campus.

Near the tables along the Chao Phraya River beside the Faculty of Economics building at Tha Prachan Campus stands a small Golden Lioness shrine which is respected by Thammasat students, people in nearby communities, and those who operate boats in the Chao Phraya River. There are many versions of the Legend of the Lioness Statue. The most famous version is the love story of Lion and Lioness Statues that were on a barque that was importing goods for sale in Bangkok during the reign of King Rama IV. After a storm caused the barque to capsize, the villagers recovered the sunken goods, but they could recover only the lioness statue. The statue was placed on the river shore facing the land, but on the next day, the statue was found facing the river as if it was waiting for the lion statue that was sunk in the river.



2 Safe

Pedestrian Priority on Campus

Thammasat University has developed a covered pedestrian walkway and bike lane system to reduce the use of cars on campus, promote the students' quality of life, and reduce pollution from the use of fossil fuel vehicles. The design of the covered walkways takes both the functionality and the aesthetic into account to ensure that the structure blends well with the surrounding environments and can safely accommodate heavy traffic.



3 Resilient

With the ever-changing environments, Thammasat focuses on creating a community that is resilient to abrupt changes, such as those due to energy resources and pandemics.

Sustainable Commuting

To accommodate transportation on campus, Thammasat University signed a contract with Anywheel to provide rental bicycles on campus. In 2021, there were 1000 Anywheel rental bicycles and 73 service stations all over Thammasat University Rangsit Campus. Each service station offers 10-25 public bicycles that can be rented through their mobile application. The target in 2022 is to increase the number of rental bicycles by 50% and to start providing rental electric scooter service to encourage the community to choose modes of transportation that do not create air pollution.



Thammasat University cooperates with Haup Car, an electric car rental company, to provide rental electric car service at Rangsit Campus. There are currently 2 rental stations on campus which also offer charging service for other electric cars to encourage those who travel to Thammasat University to adopt the use of electric cars. In 2021, 3 more rental and charging stations were installed, so currently there are 10 rental electric cars available on campus.

Thammasat University Rangsit Campus has a public van station which is a connecting hub between city centers and Rangsit - Khlong Luang area. It offers van services from 5:30 am to 8 pm daily. The number of public van users is as many as 3,500 people per day.

At Thammasat University Rangsit Campus, free shuttle bus service is offered with 5 different routes covering the whole campus area. There are currently 25 shuttles in service. The 100% electric shuttle fleet ensures that this on-campus transportation option does not cause any air pollution. (27) The information on the shuttle bus routes and the current location of the buses can be tracked and accessed via TU Around App.



Thammasat University promotes the use of electric vehicles for everyone traveling to and from Rangsit Campus by installing 6 electric vehicle charging stations throughout the campus. These stations can serve up to 12 electric vehicles at a time.

Remote Working

Thammasat University consists of 4 campuses. The campuses are in different locations, so transportation between the campuses can be required for both the students and staff. In this era of information technology, Thammasat University incorporates new innovations into the working and learning environments to reduce greenhouse gas emission due to transportation and University's space utilization.

Thammasat University often holds inter-campus meetings and conferences. Currently, inter-campus online meetings can be arranged on Microsoft Team which reduces the need of long-distance transportation.

Cooperation between departments uses written documents as the method of communication, so the resources that are consumed a lot during the processes are paper and energy used for document delivery. A system for e-document delivery within the University has been developed and incorporated to decrease the use of paper as well as greenhouse gas emission from the document delivery process.

Thammasat University has prepared our classrooms for hybrid classes with the aim to reduce transportation for both the staff and students, which would be required in the traditional classroom system. Besides helping with greenhouse gas emission, this policy also helps control the spread of COVID-19 during the pandemic.

4 Sustainable

Thammasat strives to create a community that can support people of all socio-economic statuses and optimize the use of technology and available spaces, both for the people of Thammasat and the local communities.

Affordable housing

Thammasat University provides on-campus accommodation options for the University students and staff. The staff dormitories offer rooms at different price points, based on the provided amenities as well as the employee's salary. The cheapest room option without furniture comes with a private bathroom, water purifier, cable TV, and internet access costs 300 THB monthly, which is approximately 8.10 USD, while similar options in a private dormitory/apartment within 5 kilometers of the University cost a minimum of 1000 THB per month. Room options with furniture in the vicinity of the University starts at 2000 THB per month, while the University offers a similar room starting at 1,200 THB or 32.40 USD monthly. In comparison with accommodations outside the University, Thammasat staff dormitories provide alternatives with up to 70% discount.

Thammasat University provides on-campus housing options for the students at Rangsit and Lampang campuses. Rangsit Campus, which is the largest campus of Thammasat University, offers various types of rooms for the students with a 5-month term which allows the students to avoid paying rents during the summer break. The monthly rent starts from 900 THB or 24.30 USD per person for a 4-person dorm room with shared bathroom, which can compete with a furnished room within 5 km of the campus (29). In Lampang Campus, the rent of a furnished 4-person dorm room starts from 800 THB or 21.60 USD. There are not a lot of private dormitory options around Lampang Campus. The cheapest option in a 5-kilometer radius from the campus starts from 1900 THB or 51.40 USD for a fan room, which is double of the minimum rent of a dorm room on campus.



Sustainable City

Thammasat does not only provide affordable housing for the Thammasat community but also collaborates with local authority as well as other agencies in the neighborhood to develop a sustainable city for the local communities.

Thammasat University cooperates with National Science and Technology Development Agency (NSTDA) and the District of Khlong Luang in the development of “Khlong Luang Smart City”.

This project aims to develop Khlong Luang into an area of innovations that benefits local communities and the society. Sustainably improves the people’s quality of life and transforms into a community of equality. In addition, Thammasat University also serves in the advisory board in the preparation of “Pathum Thani Smart City” development plan, of which the vision is to create “a city of innovations and health for the education and wellbeing of the people”.

Sustainable Development Plan

Thammasat University has a plan to update the university’s master plan, which will set the design guidelines for all new buildings on campus to be appropriate for the surrounding environment and energy efficient.

New buildings according to the updated master plan must be designed to reduce the use of energy and exhaustible natural resources. The design and construction of new buildings must consider the environment and sustainability issues. The building plan and the building envelope design must utilize environment friendly materials that satisfy national or international green building standards. In addition, the shapes of the building must facilitate the use of natural light in the building. The design must also include sunshades to



reduce glare with an appropriate window to wall ratio for each direction to avoid overheating, as well as natural light monitoring and artificial light dimming systems to optimize the energy use. The design of the artificial lighting system must complement the natural light to provide luminance that follows the standard of each area with the lighting power in accordance with Energy Conservation Promotion Act (No. 2) B.E. 2550 (2007). The artificial lighting system must contribute to the conservation of energy using various methods, such as using energy-efficient light bulbs, and setting automatic lighting schedules.



All new buildings at Thammasat University have been constructed under this design guideline, and many of them have received environmental-friendly building awards, such as Social Complex Building 3 (SC3), the buildings at Thammasat Secondary School, Puey Ungphakorn Centenary Hall, and the building of Faculty of Learning Sciences and Education.

While keeping a sustainable building design in consideration, Thammasat tries to minimize new construction projects by repurposing existing buildings, for example, converting the unused Interzone Building into the first building of Thammasat Secondary School, converting the former Student Affairs Building into a new lecture building for Puey Ungphakorn School of Development Studies, and converting Kiang Dome Student Dormitory into the current Student Affairs Building.



In case that new construction projects are more suitable, Thammasat attempts to choose developed, underused sites as the sites of construction, such as those of Puey Ungphakorn Centenary Hall and Kittiyakhan Grand Auditorium.

The area of Puey Ungphakorn Centenary Hall and Park used to be the Asian Games Park, which was used for the 13th Asian Games in 1998. After the Games, this area became under used by the students, so it has been developed into this H-shaped building that has been planned to serve as the new center of the campus.

The area of Kittiyakhan Grand Auditorium used to be Gymnasium 2 that was used for karate, judo, and taekwondo matches during the 13th Asian Games in 1998. In 2011, amidst the historic flooding, Kittiyakhan Grand Auditorium, which was then Gymnasium 2, served as a temporary shelter for more than 1,500 flood victims. Gymnasium 2 was heavily affected by the flooding in 2011. The building was developed into Kittiyakhan Grand Auditorium, named by Princess Bajrakitiyabha Narendira Debyavati Rajasarini Siribajra, to accommodate large-scale activities for the people in the upper-central region, including Pathum Thani, Ayutthaya, Saraburi and many others.





ENSURE SUSTAINABLE CONSUMPTION AND PRODUCTION PATTERNS

Resource efficiency is a key to a sustainable development of a community. On one hand, Thammasat University has rolled out a policy on sustainable public procurement of goods and services to encourage responsible consumption. On the other hand, the University uses an integrated approach to reduce, recycle, and reuse the waste that is generated in the university's area.

Operational measures

All campuses of Thammasat University are open to everyone regardless of their status, background, or cultural beliefs. Thammasat offers public access to green spaces, educational resources, and significant buildings and monuments. The University also promotes and preserves several forms of arts and local cultural heritage.

Policy Enforcement for waste reduction and sustainable consumption promotion

Thammasat University has a policy to promote sustainable consumption in offices, classrooms, and construction sites as well as utility usage. For the University to become a role model for sustainable consumption, we have rolled out two main related policies which cover the whole process of waste management. Policy on Sustainable Public Procurement of Goods and Services has been published to encourage the students and staff to be involved with the environmental protection measures. This policy not only requires the staff to utilize goods and services that are environmentally friendly, but also encourages the entrepreneurs to develop production processes that are environmentally friendly and increase the use of environmental labels.

Besides, the staff from the organizations on campus have been trained on green procurement to promote the understanding and positive attitude towards green products.

The Policy on Solid Waste Management is a policy that targets overall waste management in the University that encourages waste sortation into recyclable waste, organic waste, general waste, chemical waste, and hazardous waste and records the amount of each type of waste including those sent to landfills.

Besides, this policy also promotes plastic waste reduction which is implemented through regular promotional activities. It also encourages signing contracts with counter parties that have waste management guidelines that are in line with the University's policy and requires the on-campus organizations to supervise the counter parties in goods and service procurement from outside organizations as well as setting penalties for violating the University's guidelines.

Policy Enforcement for waste reduction and sustainable consumption promotion

Thammasat University has submitted a list of laboratories to participate in a laboratory safety improvement activity. Of the 15 participating laboratories from 7 institutions, Engineering and Technology Laboratory of Thammasat's Center of Scientific Equipment for Advanced Research showed the highest improvement by as much as 52.9%. Other laboratories from Thammasat Uni-

versity that have been selected to participate in a laboratory safety maintenance activity are Pharmacology and Toxicology Laboratory of the Faculty of Allied Health Sciences, Bioprocess Engineering Laboratory of Faculty of Science and Technology, Biochemistry Laboratory of the Faculty of Medicine, and Molecular Microbiology Laboratory of the Faculty of Allied Health Scienc-



During the activity, the Laboratory, Biological, Chemical and Radiation Safety Subcommittee of Thammasat University organized a workshop to promote the safety of chemical usage in laboratories and visited laboratories on campus to ensure that laboratory classes were conducted according to the policy on occupational safety, health and environment.



Infectious Waste Management

Since the beginning of the COVID-19 crisis, Thammasat University Hospital has become the Medical Service Center for the local communities. The number of infectious wastes kept increasing due to those from the hospital as well as from personal protective wears, such as face masks and sanitary gloves. The sources of infectious waste are also scattered around the campuses. Thammasat University, therefore, plans to establish an Infectious Waste Disposal Center to reduce the spread of the disease and increase the University's waste management potential.

Due to the COVID-19 situation, people stay more at home and order take-away meals which increases plastic waste, mainly from single-use plastic containers. Once the COVID situation improves, public area management will be needed to ensure hygiene in the community, such as managing seats in canteens and promoting waste sorting to create a new normal lifestyle while minimizing plastic waste generation.

Proportion of recycled waste

Increasing the Proportion of Waste Recycling

Thammasat encourages the students and staff to sort waste into 2 primary categories which are recyclable waste and general waste through various promotional activities. Recyclable waste is further processed or used depending on the types of waste, while general waste is sent to a waste pit. Thammasat also tracks the amount and the type of waste generated in each month and uses several waste sorting technologies to improve the efficiency of waste sortation and reduce the amount of landfill waste. Combined with the increased efficiency of the waste sorting center, the proportion of recyclable waste on campus has continually increased since 2020, while the total amount of waste shows a downward trend. These changes indicate the student and staff's commitment to responsible consumption which reduces the creation of single-use plastic waste.

	Jan-Jun 2020	Jul-Dec 2020	Jan-Jun 2021	Jul-Dec 2021	Jan-Jun 2022
General waste (Tons)	1,050	1,425	920	825	810
Percentage	76.51	79.04	72.99	69.96	68.28
Recyclable waste (Tons)	322.31	377.99	340.43	354.17	376.35
Percentage	23.49	20.96	27.01	30.04	31.72



Plastic Waste Recycling

To fight the skyrocketing number of plastic waste during the COVID-19 era, each Thammasat University campus separates and recycles clean plastic bottles through their own recycling program. Plastic water bottles at Tha Prachan campus, especially after large gatherings, such as Thammasat’s graduation ceremony, are donated to Wat Chak Daeng where every 15 bottles can be converted into a Buddhist monk robe. At Rangsit campus, every 8 plastic bottles are recycled into a PPE gown, which is in high demand due to the pandemic, for the personnel of Thammasat University Hospital.



Organic Waste Utilization

Due to Thammasat University’s aim to become a zero-waste community, several organizations in the University have set up activities to encourage the reduction of waste as well as waste utilization, such as using organic wastes for compost. The compost is made by mixing organic waste with manure and leaving the mixture to sit for 60 days. From January 2021 until the present, 120 tons of compost has been made.

Waste management in public

Establishment of Waste Sorting Learning Center

The Waste Sorting Learning Center was established to publicize the knowledge on waste sorting. Visitors and researchers can access information about the waste sorting process that is appropriate with the current waste management situation in Thailand. The materials used in the learning center are recycled from different types of waste in the University such as display shelves that are made of fiberglass from broken desks.



▲ There is an exhibition on the management of organic waste, such as using food scraps as animal feed.



▲ The learning center is a part of Thammasat's waste sorting plant, so visitors can appreciate the real waste sorting process.



Joining Network Partnership on Hazardous Waste Management

Thammasat University cooperates with The Pollution Control Department (PCD) in joining the network partnership on hazardous waste collection from communities in Bangkok and all provinces in Thailand which is a collaboration between the government and private sectors. The first steps of this project are constructing community hazardous waste collection bins according to the PCD's guidelines and publicizing waste management knowledge to the students and staff in October 2022.

◀ Example of hazardous waste collection bin design by PCD



TAKE URGENT ACTION TO COMBAT CLIMATE CHANGE AND ITS IMPACTS

Data submission for Low Emission Support Scheme certificate

Thammasat University has submitted the data from 3 projects to be certified under Low Emission Support Scheme (LESS) of Thailand Greenhouse Gas Management Organization (TGO) which are Recyclable Waste Bank of Thammasat University, Thammasat’s Solar Rooftop, and Tree Plotter project to collect data on large perennial trees on Campus.

The reduction on GHG emission due to these 3 projects totals 14,804 CO₂e per year. The university also plans to submit data from other projects for the evaluation, such as converting on-campus buses to electric vehicles, upgrading electrical appliances to be more energy-saving, etc.



● Recyclable Waste Bank



● Installation of Solar Rooftop

LSEd Green Office

The Faculty of Learning Sciences and Education has established the Green Office Working Group on 29 March 2022 to drive the social changes and build crucial foundations that benefit the prevention and improvement of environmental issues. The Green Office collaborates with several environmental promotion agencies in organizing activities, such as promoting waste sorting through PET to PPE Project, setting up electronic waste recycling points, joining HP Planet Partner in recycling used printer cartridges, and publishing organization's carbon footprint to prepare for Green Office certificate.



Promoting community adaptation to climate and environmental changes

Faculty of Architecture and Planning with the support from Canada Fund for Local Initiatives (CFLI) organizes educational activities on adaptation to climate change for the members of Pandan Collaborative Farming Group in Khlong Sam, Pathum Thani province. The aims of these activities are to promote the understanding of complicated risks, especially the conditions of climate variability, to build a participatory process in design thinking to develop community products, and to promote safe farming for food security. IoT sensors have also been installed to collect data on air temperature, air pressure, humidity, wind speed, wind direction, amount of rainfall, and soil moisture level to study the effect of global warming on the areas of the collaborative farm, enable the farmers to adapt and prepare for climate change, and increase the resilience of the community.





CONSERVE

AND SUSTAINABILITY USE THE OCEANS, SEAS AND MARINE RESOURCES FOR SUSTAINABLE DEVELOPMENT

For a long-term goal in conserving life below water and promoting sustainability of marine ecosystems.

Waste Collection in Canals and Rivers

On 12 August 2022, Thammasat University invited each internal organization to participate in the volunteer activity to collect waste in nearby canals, which was responded well by various organizations. This activity was organized to prepare the canals and other bodies of water on campus before the monsoon season. Canals that have been cleaned can receive more incoming water, and the lack of garbage reduces the toxicity for aquatic animals and prevents water quality degradation. The large number of bodies of water on campus requires collaboration from all organizations to improve the overall quality of water sources on campus, maintain their aesthetics, and support our abundant aquatic animals and plants.



Water Quality Improvement by Nano-Biotechnology Innovation

Thammasat University has collaborated with private sectors to experiment with using nano-biotechnology for wastewater treatment in the canal between Green Canteen and the Japanese Studies Center Building. This technology provides nano-silicon for diatoms in water to produce nano-bubbles. This increases dissolved oxygen in water resources and catalyzes the degradation of the sediments. The decreased sediment volume slows down anaerobic digestion which is a cause of odor pollution. This nano-biotechnology product consists of living organisms which naturally spread and reproduce, so it can be a solution for sustainable water management without adding pollutants to water resources.



Research and International Webinar on “Microplastics in Environment”

The prevalence of microplastic in the environment has become a novel topic of concern for environmental scientists all over the world. One of the main researchers on the current microplastic pollution situation in Thailand is Professor Dr. Sandhya Babel, who has recently been ranked as a top 2% scientist in the field of Environmental Science by Stanford University in 2020. Professor Babel has conducted various research on water and wastewater quality. One of her recent research areas is on the microplastic contamination situation, including microplastic in water treatment plants, in the Lower Chao Phraya area, as well as in the food chain such as in cockles and mussels, which covers the microplastic cycle in water sources. She is also one of the initiators of annual webinars on global microplastic situations which started in 2021.



The webinar on “Microplastics in Environment” was co-organized by Sirindhorn International Institute of Technology and several partner agencies to promote the understanding of sources and measurements for the prevention or control of microplastic pollution in the environment and encourage the learning and research on microplastic contamination in the environment, especially in aquatic animals, which increases microplastic accumulation in the food chain and negatively impacts human health.

Kayaking for the Gulf of Thailand: Trash-picking kayaking in the Chao Phraya Estuary from Bang Pu to Bang Khun Thian

In 2017, Thailand was ranked as number 6 biggest contributor to plastic waste in the ocean due to the geography of Thailand that comprises 5 main rivers, which are the Bang Pakong river, the Chao Phraya river, the Tha Chin river, the Mae Klong river, and the Phetchaburi river, that flow into the Gulf of Thailand. Thammasat University is aware of the issues that arise due to littering in water sources which worsens the water quality in the ocean, so it has always been a main co-organizer of an annual activity to collect garbage while kayaking, which received great support and response from government, private sectors, and volunteers.



After the COVID-19 situation has eased up, Thammasat has collaborated with Save the Upper Gulf of Thailand Network and Department of Marine and Coastal Resources, Ministry of Natural Resources and Environment in organizing another 2-day trash-picking kayaking activity in the rivers that flow into the Gulf of Thailand. The participants started kayaking from Nok Kala School, Samut Prakan province and ended at Wat Saha-thammaram, Samut Sakhon province, covering a distance of 40 kilometers. This was also a survey of the coastal erosion situation and a warm-up activity to prepare for the coming-up 200-km trash-picking kayaking activity in the Gulf of Thailand.





PROTECT, RESTORE AND PROMOTE

SUSTAINABLE USE OF TERRESTRIAL ECOSYSTEMS, SUSTAINABLY MANAGE FORESTS, COMBAT DESERTIFICATION, AND HALT AND REVERSE LAND DEGRADATION AND HALT BIODIVERSITY LOSS.

Tree Planting Activity at Eco-forest Park

In April 2022, students from TU100 course participated in a tree planting activity at Eco-forest Park near the water treatment facility. Ninety seedlings used in the activity were donated from the Royal Forest Department upon the University's request.



Relocating water monitor lizards to maintain ecological balance and safety of the residents

In Thammasat University Rangsit Campus, there is a type of reptile that is commonly found. They are known as Asian water monitors or *Varanus salvator*. They are 1–2-meter-long lizards with small regular scales, serrated teeth, and a forked tongue that is used for locating prey. They like to live near bodies of water and can swim well. Water monitors are quite peaceful and can be easily alarmed by humans. Their diets consist primarily of smaller animals such as fish, birds, and eggs of other animals. For larger prey, water monitors tend to target only the organs, leaving the carcasses behind which can cause rotting smell.

In Thailand, Asian water monitors are considered as protected wild animals, thus it is illegal to hunt or possess these monitors. Combining that with the lack of larger predators in Rangsit Campus, the number of water monitors can hardly be controlled. To maintain the ecological balance as well as reduce the disturbance due to rotting odor to the community, Thammasat asked for assistance from wildlife specialists to resolve these problems by relocating some of the monitors. On 3 July 2021, the officers from Phanthai Norasing Non-Hunting Area captured and relocated a total of 98 water monitors from Rangsit Campus to Khao-son wildlife breeding station in Ratchaburi province.

Tree plotter

According to the policies of Thammasat University to promote environmental sustainability by focusing on the management and creation of green space and tree conservation within Thammasat University, Rangsit Campus, our previous efforts aim to provide knowledge to the staff of Thammasat University so that they can assess damages on large trees and analyze potential risk that may occur if trees are not properly managed. Thammasat University has cooperated with Big Trees Foundation in developing and establishing Thammasat Tree Academy. Thammasat University has thus established Tree Plotter Project to extend the successful campaign to the people who are interested in proper large tree care especially toward younger generations or students who utilize the space of Thammasat University, Rangsit Campus to develop knowledge and promote care of large trees in Thammasat University, Rangsit Campus.

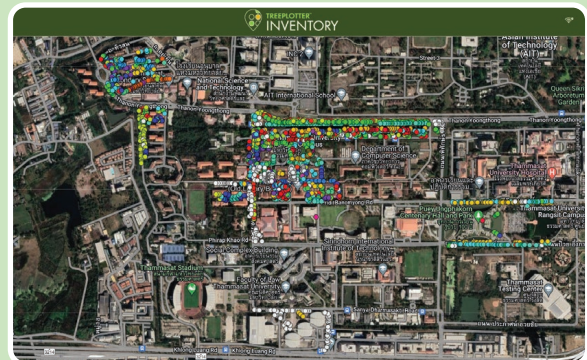
On 12 December 2021, a training course on care and assessment of trees at risk of damage was organized for both Thai and foreign students with support from university staff with expertise and representatives from Big Trees Foundation in educating the participants.



Trees within Thammasat University Rang-sit Campus have an average trunk diameter of 23.71 cm (measured at the height of 120 cm), an average height of 9.79 m, and an average bush width of 6.8 meters. These trees yield the air pollution treatment capacity of 292,600 lbs per year and the carbon storage capacity of 341,834 lbs per year. (Calculations are referenced from the i-Tree database of the United States Forest Service.)



Survey of large perennial trees on campus



Areas covered in the tree survey in the Tree Plotter project

Tree Trimming at Wat Chalo Waterfront Market and Om Non Canal

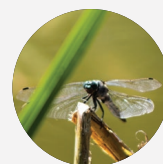
Thammasat arborist team and students from TU100 course volunteered to prune and trim large trees at Wat Chalo waterfront market, which is a community market on Om Non canal that is a part of the original Chao Phraya River. With the help of Thammasat EC Ambassadors and the residents, the team managed to trim a total of 9 trees in only a few hours. The trees that used to be overgrown and ungroomed were thinned for aesthetic and to allow better air movement. Trees not only serve as shades during the day but also release oxygen to the environment and efficiently absorb carbon dioxide, fine particles, and other air pollutants. The Thammasat arborist team, therefore, is committed to practicing managing the trees on Thammasat campus so that they can contribute to other communities outside of Thammasat.



white pigeon



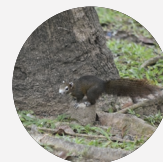
dove



dragonfly



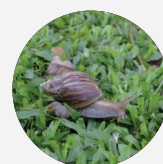
javan pond heron



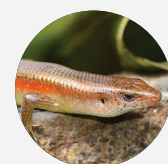
squirrel



slug



snail



common sun skink



PROMOTE PEACEFUL

AND INCLUSIVE SOCIETIES FOR SUSTAINABLE DEVELOPMENT, PROVIDE ACCESS TO JUSTICE FOR ALL AND BUILD EFFECTIVE, ACCOUNTABLE AND INCLUSIVE INSTITUTIONS AT ALL LEVELS

Thammasat University's written policy for external stakeholder engagement

In 2021, Thammasat University enacted Stakeholder Engagement Measure, which specifies guidelines for engagement measures for internal and external stakeholders.

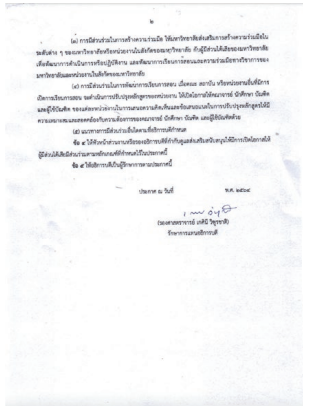
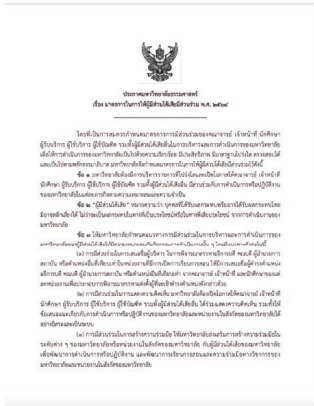
Section 3 provides guidelines for stakeholder engagement.

Item 2 states that the university must provide opportunities for customers of the university, employers of Thammasat University's graduates, and other stakeholders to give opinions and suggestions to improve the university's operation systematically and independently.

Item 3 encourages collaborations between the university and stakeholders to improve the university's operations, education, and other academic collaborations.

Item 4 states that when faculties and institutes need to improve their curriculums, they need to engage all stakeholders, including Thammasat University's graduates and external stakeholders, to provide comments.

The guidelines have been implemented by all faculties and institutes, especially when the curriculum needs to be updated and improved. In addition, Rangsit and Lampang campuses also worked actively with local authorities in several local development initiatives.



Thammasat University's existence of participatory bodies to recognize and engage local stakeholders: The 88 Sandbox Startup Ecosystem

In December 2021, Thammasat University launched the "88 Sandbox Startup Ecosystem" initiative in cooperation with PTTOR, an oil and retail company. The ecosystem aims to incubate new innovative and sustainable startups for Thailand and the world, providing skills, learning platforms, business plan development, and pitching opportunities for capital.

The initiative has become a mechanism for Thammasat University to engage with new entrepreneurs. As shown in "About" of 88sandbox.com, the mechanism is comprised of three layers, namely, the founders (in which the rector and the vice-rector in academic affairs are co-founders), the partners, the management team, and 88 mentors from several private sector companies.

Thammasat's commitment on principles and commitments on corruption and bribery

In 2018, Thammasat University announced its commitment to integrity in university administration, following the principles of Good Governance. As stated in the following Rector's announcement:

"Thammasat University realises that corruption in government sector and government action not in accordance with good governance principle are serious challenges of our country. The university, as a result, has elevated its administration to fully commit to good governance principle and reduce any risks that would lead to corruption, bribery and conflict of interest at all levels of the university"

In 2021, the university implemented the Anti-Corruption Action Plan (2020-2021) (revised in 2021). The university's commitment is stated in the following sections.

Section 1, Vision of the Action Plan, as follows: "Thammasat University is committed to being free from corruption, operating under Good Governance principles, and having an effective self-regulatory system".

Section 5 states strategic directions, targets, and strategies. The strategic directions cover the followings: 1) build a good governance aligning operation system; 2) develop anti-corruption workflows and instruments; 3) develop a monitoring system on the anti-corruption endeavour; 4) nurture anti-corruption organisational culture. Evidence 3 shows the progress of the action plan.

Thammasat provides expert advice to government at all levels in 2021.

Professors and Lecturers in almost faculties and colleges of Thammasat University have been providing expert advice to government at all levels (National, Regional/Provincial) in several areas of the Sustainable Development Goals (SDGs). The followings are some examples of the expert advice our faculties provided to national, provincial and local governance, with public evidence.

Providing expert advice through participate in government committees:

National Level:

Assistant Professor Nattapong Puttanapong (PhD.) from Faculty of Economics, Thammasat University, was appointed as Economic Expert in the National Committee on Sustainable Development since February 2020.

Regional/Provincial Level:

Thammasat University in cooperation with the National Science and Technology Development Agency (NSTDA) provide expert advice to provincial governor of Pathum Thani to design and implement the pilot area of smart city in Klong Luang District where Thammasat University is located before expanding to the whole Pathum Thani and nearby provinces.

Assistant Professor Nattapong Puttanapong (PhD.) from Faculty of Economics, Thammasat University, was appointed as Economic Expert in the Committee for Bangkok Smart City in 2021.

Providing expert advice through participate in government committees:

In 2021, professors and researchers from Thammasat University participated in many government research projects. As shown below, the topic of research ranging from the issues on urban development, cultural promotion, and promoting elderly care, to community rights, water management, and grass-roots economy, to calculating the discount rate for GreenHouse Gas Mitigation Measures, assessing eco-efficiency, and formulating regulations. Beneficiaries of these research projects include the office of the national village and urban community fund, the department of cultural promotion, the Thailand Greenhouse Gas Management Organization (Public Organization), the department of water resource, the department of empowerment of persons with disabilities, the National Science and Technology Development Agency, and the Office of the National Human Rights Commission of Thailand. The following tables are some examples of government research that Thammasat University participated.

Research Title	Author & affiliation	Government Department
Analysis, Improvement and Development of Database and Report System for Village and Urban Community Fund	Assoc.Prof.Dr.Nopbhorn Leeprechanon, Faculty of Engineering, Thammasat University	National Village and Urban Community Fund Office
Project on Cultural Council Executive Structure Development through Local Network Collaboration under the National Cultural Act 2010	Asst. Prof. Ronnarong Jandai, Faculty of Social Administration, Thammasat University	Department of Cultural Promotion
A study on Discount Rate for GHG mitigation Measures	Assoc. Prof. Dr. Bandit Limmeechokchai, Sirindhorn International Institute of Technology (SIIT), Thammasat University	Thailand Greenhouse Gas Management Organization (Public Organization)

Research Title	Author & affiliation	Government Department
The Study of Preparing for Implementation on Section 78 and 81 of Water Act of B.E. 2561 and Drafting Regulations in Relation to Duty of Ministry of National Resource and Environment	Prof. Narong Jaihan, Faculty of Law, Thammasat University	Department of Water Resource.
Elderly care in the Government's Institutions	Asst. Prof. Wannalak Miankerd, Faculty of Social Administration, Thammasat University	Foundation of Thai Gerontology Research and Development institute (TGRI)
Formulate strategies and action plans to develop the seafood industry to be the seafood production center of the future	Prof. Dr. Kaewta Rohitrattana, Thammasat Business School	Industrial Promotion Center Region 8
Evaluation of ASEAN Decade of Persons with Disabilities 2011-2020 for next phase mobilization	Prof. Dr. Wilaiporn Khotbuengkae, Faculty of Social Administration, Thammasat University	Department of Empowerment of Persons with Disabilities.
Eco Efficiency Assessment of Rubber Authority of Thailand	Assoc. Prof. Dr. Hanphon Puengrasamee, Faculty of Engineering, Thammasat University	Rubber Authority of Thailand
Performance Evaluation Project under the 3-Year Government Policy and Plan (2020 – 2022) of Community Development Department, Initial Phase	Asst. Prof. Ronnarong Jandai, Faculty of Social Administration, Thammasat University	Department of Community Development
Pathumthani Smart City Roadmap	Asst. Prof. Dr. Pavinee lamtrakul, Faculty of Architecture and Planning, Thammasat University	National Science and Technology Development Agency

Research Title	Author & affiliation	Government Department
A study on the Opinion Related to Grassroots Economy Development Policy in order to Achieve Sustainable Development	Dr. Puchong Senanuch, Faculty of Social Administration, Thammasat University	King Prajadhipok's Institute
Lesson Learned from Public Services Development of Local Administration Office and Community	Dr. Peeradon Kaewlai, Faculty of Architecture and Planning, Thammasat University	King Prajadhipok's Institute
Community Rights in Water Resources Allocation by Peaceful Means: Case Studies on the Nan Basin of Northern and the Chii Basin of Northeastern Thailand	Dr.Ampa Kaewkumkong, Institute of East Asian Studies, Thammasat University	Office of the National Human Rights Commission of Thailand.

Thammasat provides neutral platform and safe space to discuss all issues.

In 2021, Thammasat University hosted academic and social fora on several controversial development issues, reflecting the role of being a neutral platform and safe space for different political stakeholders to discuss development challenges and sensitive issues. Social science faculties, i.e. Faculties of Law, Political Sciences, Economics, Sociology and Anthropology, played an important role in providing the platform.

The issues discussed in 2021 were ranging from the reform of police system, critiquing the Constitutional Court on the marriage case and gender diversity, women and democracy, solutions to PM2.5, fiscal efficiency and universal health coverage, grassroots economy and inequality, various perspectives on contemporary Buddhism in Thailand. Each forum was participated by academia from various institutions, pertinent government officers, and civil society representatives.

Faculty of Law, Thammasat University organized an academic seminar on “Police Reform, up-stream of the justice process” held on Saturday, May 29, 2021, from 9:00 a.m. to 12:30 p.m. There are speakers include:

Professor Dr. Udom Ratamarit, lecturer at the Faculty of Law, Thammasat University, representative from the academic department

Mr. Somchai Homlaor, former member of the Legal Reform Committee, representative from the people’s sector

Pol. Col. Dr. Mana Paochuay, secretary-general of the Association of Investigators, represent as a worker



The theme of the dialogue on police reform as advocates of justice is directly related to peace, one of the pillars of the SDGs, in particular SDG goal 16 : peace justice and strong institutions, sub-goal 16.6, develop effective, accountable and transparent institutions at all levels.

Faculty of Law Thammasat University organizes a seminar on “ Criticizes the Constitutional Court on the marriage case and gender diversity” held on Monday, December 6, 2021, from 1:00 p.m. - 4:00 p.m. There are speakers include:

Ms.Sprawee Asanasak, lecturer at Faculty of Law, Thammasat University

Mr.Pawin Malaiwong, lecturer at Faculty of Arts, Thammasat University

Professor Sorat Hongladarom, Lecturer at Faculty of Arts, Chulalongkorn University.

Associate Professor Anon Mamo, Lecturer at Faculty of Law, Thammasat University

The issue of criticizing the constitutional court on LGBTQ marriage cases is directly related to the people issue, which is one of the pillars of the SDGs, in particular SDG Goal 5 : Gender equality, sub-goal 5.c, adopt and strengthen sound policies and enforceable legislation for the promotion of gender equality and the empowerment of all women and girls at all levels



Faculty of Law Thammasat University organizes a seminar on "Criticizes the Constitutional Court on the marriage case and gender diversity" held on Monday, December 6, 2021, from 1:00 p.m. - 4:00 p.m.

There are speakers include:

Ms.Sprawee Asanasak, lecturer at Faculty of Law, Thammasat University

Mr.Pawin Malaiwong, lecturer at Faculty of Arts, Thammasat University

Professor Sorat Hongladarom, Lecturer at Faculty of Arts, Chulalongkorn University.

Associate Professor Anon Mamao, Lecturer at Faculty of Law, Thammasat University



The issue of criticizing the constitutional court on LGBTQ marriage cases is directly related to the people issue, which is one of the pillars of the SDGs, in particular SDG Goal 5 : Gender equality, sub-goal 5.c, adopt and strengthen sound policies and enforceable legislation for the promotion of gender equality and the empowerment of all women and girls at all levels

Faculty of Law Thammasat University organizes a seminar on "Climate Change, global turbulence, forgotten problems..?" held on Thursday, December 16, 2021, from 1:00 PM to 4:00 PM.

There are speakers include:

Dr. Nattharika Wayupap Nitipon, Deputy Director of Thailand Greenhouse Gas Management Organization

Dr. Thanyaporn Krititayawut, Director of the Global Compact Network Association of Thailand

Ajarn Romchat Wachira Rattanakornkul, Environment and Climate Change Human Rights Officer

Mr. Weerasak Kowsurat, Vice Chairman of the Commission on Natural Resources and Environment



The theme of the dialogue on Climate Change, an increasingly pressing issue affecting life around the world, is directly related to planet issues, one of the pillars of the SDGs, particularly SDG Goal 13 : Climate action.

Faculty of Political Science, Thammasat University organized an academic seminar on “Women, Nation and Democracy in Revolution 2475” on Saturday, June 26, 2021 at 8:00 p.m. onwards. There are speakers include:

Assoc. Prof. Dr. Chalidaporn Songsamphan (Politics and Government)

Dr. Pridi Hongston

Mr. Chanan Yodhong

The dialogue addressed the role of women and the situation during the 1932 revolution, directly related to people & peace, which is one of the pillars of the SDGs, in particular SDG goal 5 : Gender equality,, sub-goal 5.5, Ensure women’s full and effective participation and equal opportunities for leadership at all levels of decision-making in political, economic and public life.



Faculty of Sociology and Anthropology, Thammasat University organized a series of academic seminars on “Multidimensional Contemporary Buddhism in Thai Society”

The first seminar, on topic “Visit the pagoda and collect turtle eggs: Myanmar Buddhist tourism and political journey” on Friday, August 20, 2021, from 14:00-17:00

Speaker: Dr. Niranuch Muangphu, Department of Anthropology, Goody College, Hilpakorn University

Commentator: Suddan Visuthilock, Associate Professor, School of Sociology and Anthropology, Thammasat University

The 2nd seminar, on the topic “Buddhist policy in the era of the people’s government” on Friday, August 27, 2021, from 2:00 PM to 5:00 PM,

Speaker: Dr. Thanapong Jitsanga, Department of History, Faculty of Humanities, Ramkhamhaeng University

Commentator : Asst. Prof. Dr. Dechopol Hemnalai, Department of Philosophy, Faculty of Liberal Arts, Thammasat University



The 3rd seminar, on topic “Thai Buddhist Public Communication in the Peace Process: A Case Study of the Thai Buddhist Group for Peace (B4P)” on Friday, September 3, 2021, from 2:00 PM to 5:00 PM

Speaker: Dr. Assembly Nilpat, Branch of Communication Arts, Faculty of Communication Sciences, Prince of Songkhla University, Pattani Campus.

Commentator : Asst. Prof. Dr. Chalita Bhuntuwong, Department of Sociology and Anthropology, Faculty of Social Sciences, Kasetsart University

The 4th seminar, on topic “White is pure Srisawat: the origin and place of Thai national Buddhism” on Friday, September 10, 2021 from 2:00 PM to 5:00 PM

Speaker: Mr. Krit Phujiyama, Faculty of Law, Thammasat University

Commentator : Assoc. Prof. Dr. Pinyaphan Pojanalawan, Faculty of Humanities and Social Sciences, Rajabhat Lampang University

The 5th seminar, on topic “Buddhist women and the peace process under the dynamics of religion and ethnicity in the southern border” on Friday, September 17, 2021 from 2:00 PM to 5:00 PM

Speaker: Asst. Prof. Dr. Duanghathai Buranacharoen, Institute of Human Rights and Peace Studies, Mahidol University

Commentator: Dr. Khakanang Yavaprapas, Faculty of Sociology and Anthropology, Thammasat University

The dialogue addressed the role of women and the situation during the 1932 revolution, directly related to people & peace, which is one of the pillars of the SDGs, in particular SDG goal 5 : Gender equality,, sub-goal 5.5, Ensure women’s full and effective





17 PARTNERSHIPS FOR THE GOALS



STRENGTHEN

THE MEANS OF IMPLEMENTATION AND REVITALIZE THE GLOBAL PARTNERSHIP FOR SUSTAINABLE DEVELOPMENT

Relationship with government for SDG policy

In 2021, Thammasat University, by SDG Move, Faculty of Economics, Thammasat University as a co-host institution of Sustainable Development Solutions Network (SDSN) Thailand, published a series of in-depth analyses on SDG status in Thailand to inform the national SDG policy. The content was presented to the Office of Natural Resource and Environment Policy and Planning (ONEP)'s annual conference on July 12, 2021. The content was also published through 8 media outlets to the public.

SDG Move also undertook multi-stakeholder, policy-focused research for Thailand Science Research and Innovation (TSRI) using SDG as a primary framework to gather information on area needs as input for a national research strategic plan. It is now a part of the National Science Research and Innovation Strategic Plan 2023-2027.



Cross-sectoral Dialogue about SDGs

In 2021, Faculty of Economics, Thammasat University hosted 3 crucial cross-sectoral dialogues about SDGs.

1

the 43rd Annual Symposium on June 17, 2021, under the theme of "Next Steps for Thailand Sustainability", which focuses on the impact of COVID-19 on society, economy, and the environment and what directions Thailand should take to stay in the path towards the SDGs. Government agencies and international organisations were engaged in a series of dialogues throughout the event.

2

the Pre-forum to Thailand Sustainable Development Forum: Setting the Scene, organized on October 26, 2021. The forum is a part of a series of multi-stakeholder fora ranging from October 2021 to July 2022, hosted by SDG Move of Faculty of Economics, Thammasat University and International Health Policy Program (IHPP).



3

Online seminar “Building alliance for Just Energy Transition”, on June 29, 2021, hosted by FES, and SDG Move. Speakers were from UNDP, energy policymakers, academia and climate CSO.



Thammasat University cooperates with Konrad Adenauer Singapore and international networks in gathering SDG data and best practice for “Accelerating Progress and Equity in Education”

Thammasat University, by Centre for SDG Research and Support (SDG Move), Faculty of Economics, Thammasat University, cooperated SDSN Thailand, and Konrad Adenauer Singapore in an international effort for gathering SDG data and best practice for “Accelerating Progress and Equity in Education” (directly related to SDG 4) in a project called Konrad Adenauer Sharing Political and Civic Engagements Spaces (KASpaces).

This project covers 12 countries including, Thailand, Cambodia, Indonesia, South Korea, Bhutan, Bangladesh, Malaysia, Pakistan, The Philippines, India, Taiwan.




REGIONAL ROUNDTABLE **CERTIFICATES PROVIDED!**

ACCELERATING PROGRESS & EQUITY IN EDUCATION

A WEBINAR BY KAS POLITICAL DIALOGUE ASIA & 13 PARTNERS

22ND - 24TH NOVEMBER 2021
13:00 - 17:00 PM SINGAPORE TIME

Register:
bit.ly/Kaspacesregionalconference

*Certificates will be provided for attendance of all 3 days.



There are two levels of activities, namely, national workshops and webinars from July until September 2021, and regional workshops in November 2021. While each country may focus on different issues, these topics were highly encouraged to include the following four topics, namely, blended learning vs traditional classroom, Infrastructure and teachers’ development, Inequality in education, and new actors in education.

For Thailand, SDG Move and SDSN Thailand focused on Education for Sustainable Development (ESD) as the main theme and explored (1) the policies and governance, (2) practices, and (3) ways to unlock enabling environment for the ESD. Each workshop explored each topic respectively. Policy makers, scholars, representatives from government agencies and international NGO participated as panelists in the three workshops. International experts from Japan and UNESCO also joined to share their thoughts and experiences.

Reports from the three workshops are deliverables of the project for each country. Findings, case studies and best practices are included in the report. All national reports will be synthesized into a cross-country report on “Accelerating Progress and Equity in Education” to identify the common challenges faced by countries in Asia in achieving the SDGs goal and to find a collaborative framework in addressing the sustainable development goals.



Collaboration with NGOs for SDGs

During 2020-2021, Thammasat University, by Centre for SDG Research and Support (SDG Move), Faculty of Economics, Thammasat University, collaborated with International Health Policy Program Foundation (IHPP Foundation) in conducting a series of SDG research and development of SDG educational resources. The SDG research program includes research on SDG Stakeholder Action Reports, which cover youth, academia, civil society and volunteer sectors, and on SDG implementation and monitoring systems.

The SDG educational resources produced from this collaboration include SDG watch and SDG port. SDG watch produced more than 400 SDG articles in 2021, and view counts on the website were more than 1 million views. SDG port is an SDG knowledge database, collecting SDG reports and educational resources.

Faculty of Law, Thammasat University, also collaborated with Human Rights Lawyer Alliance in recruiting law students to be volunteer legal assistants, helping people who were mistreated by government agencies during COVID-19.



Editors

Associate Professor Pisanu Toochinda, Ph. D.
Associate Professor Choomket Sawangjaroen, Ph. D.
Assistance Professor Nattapon Sang-arun, Ph. D.
Assistant Professor Chol Bunnag
Mrs. Kunnikar Kanatharana

Advisors

Associate Professor Gasinee Witoonchart
Professor Siriwan Suebnakarn, Ph. D.
Assistant Professor Nitinant Wisaweesuan, Ph. D.
Assistant Professor Prapaporn Tivayanond Mongkhonvanit, Ph. D.

Secretary

Mrs. Valailak Kanjanawat
Ms. Mayulee Sudsara

Art Director

Mr. Kachakorn Pahurat
Ms. Khwanwara Petwow
Ms. Ratiya Sasithorn





Thammasat University

99 Moo 18 Paholyothin Road, Klong Nueng, Klong Luang, Pathumthani 12120 Thailand

www.sdgs.tu.ac.th