

# THAMMASAT

SUSTAINABILITY REPORT

# 2021-2022



SUSTAINABLE  
DEVELOPMENT GOALS



## TABLE OF CONTENTS

Rector's Statement	2 - 3
SDG 1: No Poverty	8 - 9
SDG 2: Zero Hunger	10 - 11
SDG 3: Good Health and Well-being	12 - 17
SDG 4: Quality Education	18 - 19
SDG 5: Gender Equality	20 - 25
SDG 6: Clean Water and Sanitation	26 - 27
SDG 7: Affordable and Clean Energy	28 - 33
SDG 8: Decent Work and Economic Growth	34 - 37
SDG 9: Industry, Innovation and Infrastructure	38 - 41
SDG 10: Reduced Inequalities	42 - 47
SDG 11: Sustainable Cities and Communities	48 - 49
SDG 12: Responsible Consumption and Production	50 - 55
SDG 13: Climate Action	56 - 60
SDG 14: Life Below Water	61 - 63
SDG 15: Life on Land	64 - 66
SDG 16: Peace, Justice and Strong Institutions	67 - 77
SDG 17: Partnerships for the Goals	78 - 91

# 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 the 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 2020, 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 2021-2022. This report reflects our commitment to be a part of the solutions to global challenges.

G. Wilonchart

Associate Professor Gasinee Wilonchart  
Rector

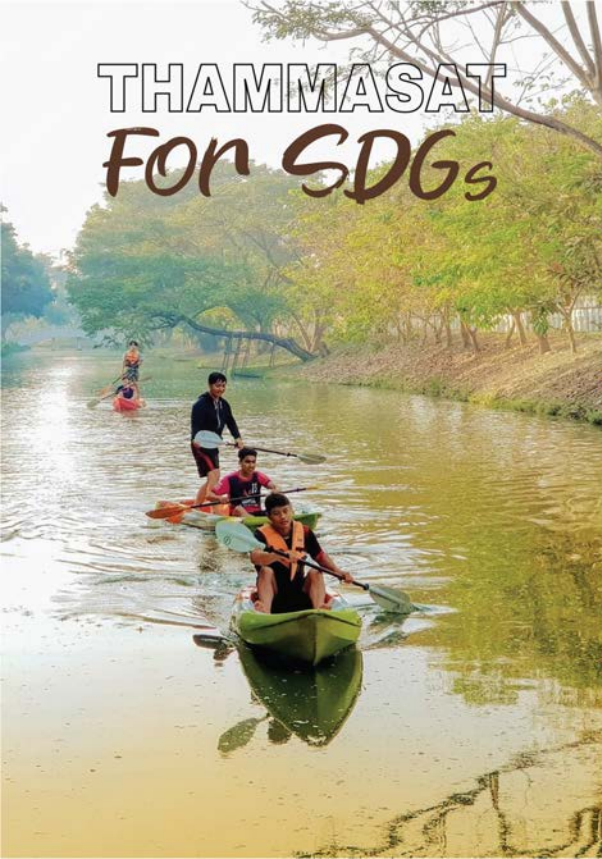




THAMMASAT  
*For the people*



# THAMMASAT FOR SDGs







# 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 scholarship to support students with financial difficulties and low-cost accommodations for national and international students and staff.



### Scholarships for students with low income

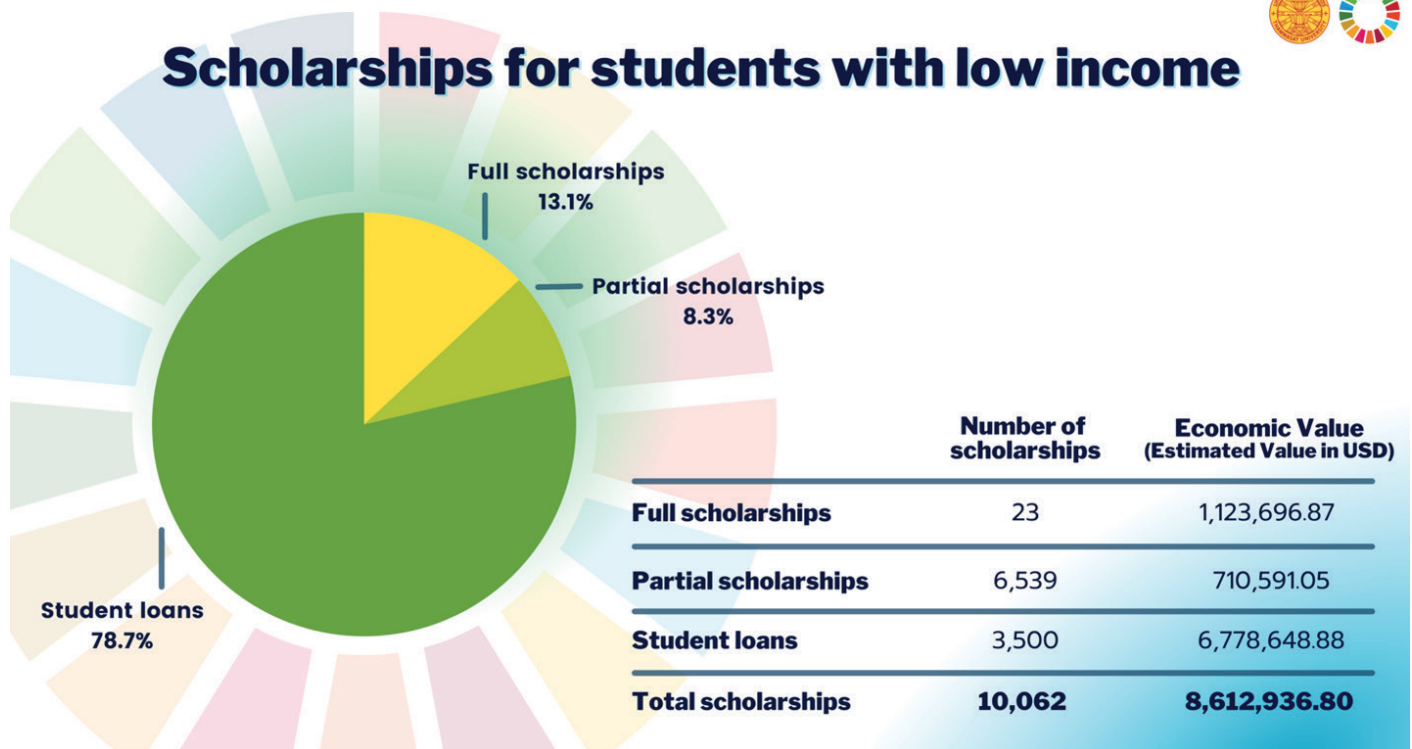


Table 1: Scholarships for students with low income

## 2

### Knowledge and activities for poverty reduction

Thammasat University students partake in courses and projects that involve knowledge transfer to local communities with the aim to improve their capability in creating added value and inspire the development of local products. Examples of these projects include:

#### 2.1 TU100: Civic Engagement course – Knowledge transfer to local communities

Thammasat University students taking TU100: Civic Engagement course create projects that assist low-income communities in Pathum Thani in workshops that transfer the knowledge on creating added values to local products. One of the projects in 2020 was using water hyacinths, which is a common invasive species in local canals, to produce plates, cushioning materials, mask straps, or water hyacinth fiber shirts to optimize local resources and increase the community's income. Another outcome of this project is a study of comprehensive management of water hyacinth in Ayutthaya which is used as a model for handling excessive water hyacinth problems in Chao Phraya River.



Example of water hyacinth plates (source: Office of the Non-Formal and Informal Education: NFE)

#### 2.2 Creating loincloth design for the natural dye weaving group of Ban Sai Ngam, Khao Chakan District, Sa Kaeo Province



Faculty members and students from Department of Textile and Fashion Design created designs of Pha Khao Ma, Thai loincloth, in the theme of 'From Highland to Thailand' for the natural dye weaving group of Ban Sai -

Ngam, Khao Chakan District, Sa Kaeo Province as a part of Education Institute Support Activity (EISA) Project and "Local Pakaoma Project – a Thai Handicraft". This project aimed to create awareness on the value of dyeing with natural materials and to transfer the knowledge to the community. Using natural materials as dyes can enhance resource management effectiveness, reduce cost and pollution, improve the quality of life of the community, and encourage living in harmony with nature. Over 50 shades of naturally-dyed cotton and 130 design samples have been handed over to the community to be used as model pieces for natural dyeing and to inspire the development of woven fabrics in the community, including striped loincloth designs that are contemporary but still possess the community's identity.



# END HUNGER, ACHIEVE FOOD SECURITY AND IMPROVED NUTRITION AND PROMOTE SUSTAINABLE AGRICULTURE

Thammasat University contributes towards the zero-hunger goal by building capacity and raising awareness through teaching, workshops, research, and activities/special programs. Some of the initiatives include:



## Agricultural area (urban rooftop farm) for food production on campus

Puey Ungphakorn Centenary Hall has developed a rooftop urban farm providing students and communities within campus an opportunity to grow seasonal vegetables. Seasonal vegetables and crops are routinely planted and harvested. The produce is sold at affordable prices for people in nearby communities providing sustainable food purchase.



On-campus dormitories provides community kitchens and agricultural area for vegetables, including Thai local vegetables and herbs, including papaya, morning glory, napa cabbage, chilli, tomato, lemongrass, mint, and peppermint.

## 2

### Affordable food price in the University

The University attempts to provide affordable food and free drinking water in all canteens. It aims at keeping the food price under 1.79 USD for the main dishes served in the canteens. In 2020, TU 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.



## 3

### Food bank for the community during COVID-19 epidemic

Due to COVID-19 epidemic, many residents of the communities around Thammasat University, Rangsit Campus become unemployed, leading to poverty and shortage of food and necessities, clearly displaying economic inequality among the community. To tackle this issue, Assoc. Prof. Dr. Prinya Thaewanarumitkul initiated a food bank for the community to help ease the problems. This project includes



Preparation and distribution of survival bags to the communities around Thammasat University, Rangsit Campus



Food sharing to the communities around Thammasat University, Rangsit Campus



Survival bags and food have been prepared and distributed to 8 communities around Rangsit campus

3 GOOD HEALTH AND WELL-BEING



# ENSURE HEALTHY LIVES

AND PROMOTE WELL-BEING FOR ALL AT ALL AGES

Thammasat University recognizes the value of health and well-being of people. We strive to become a reliable resource and a role model in health and well-being of the people in close-by areas. 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.

1

## Number of graduates and publications in health sciences

### NUMBER AND PROPORTION OF GRADUATES IN HEALTH SCIENCE MAJORS

During 2016 – 2020 academic years

Number and proportion of graduates in health science majors during 2016 – 2020 academic years

Academic year	2016	2017	2018	2019	2020
Number of graduates in health science majors	663	882	957	1100	1257
Total number of graduates	8402	9390	9625	9524	8492
Percentage	7.89	9.39	9.94	11.55	14.80

### NUMBER AND PROPORTION OF PUBLICATIONS IN MEDICAL AND HEALTH RESEARCH

During 2018 – 2020 academic years

Academic year	2018	2019	2020
Number of publications in medical and health research	233	235	307
Total number of publications	454	454	536
Percentage	51.32	51.76	57.28

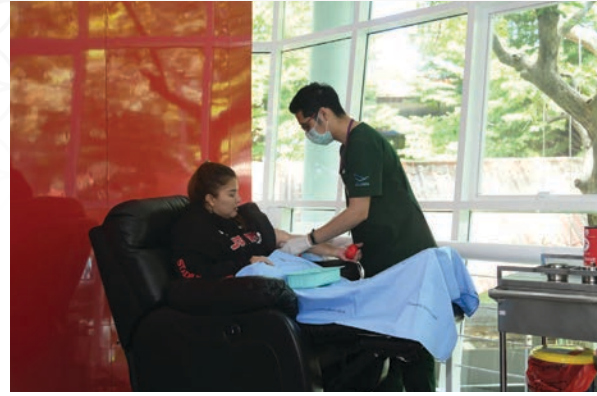
Number and proportion of publications in medical and health research during 2018 – 2020 academic years

## 2

# Responses to COVID-19 epidemic

## 2.1 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 734-bed facility. During the COVID-19 epidemic, Thammasat University Hospital has prepared intensive care unit (ICU) facility which include 48 patient rooms with controlled air pressure in order to support COVID-19 patients.



In addition, Thammasat University has established "COVID-19 Prevention and Control Board" under the cooperation of Thammasat University, public and private sectors to act as a coordinating center of all the relevant departments as well as to manage COVID-19 situations.



2

## Responses to COVID-19 epidemic

### 2.2 Thammasat University Field Hospital for COVID-19

In the period when the increasing number of COVID-19 cases outnumbered the number of beds in various hospitals, Thammasat University issued a policy on the establishment of Thammasat University Field Hospital for COVID-19 to accommodate patients that exceed the potential of public and private hospitals as well as to relieve the burden from other medical school hospitals in the network. Thammasat University Field Hospital for Covid-19 opened on March 23, 2020, as the first field hospital in Thailand, from a cooperation between Thammasat-University Hospital and the network association of 5 medical schools (Faculty of Medicine, Thammasat University; Faculty of Medicine, Siriraj Hospital; Faculty of Medicine, Chulalongkorn University; Faculty of Medicine, Ramathibodi Hospital, and Faculty of Medicine, Vajira Hospital). Thammasat University Field Hospital for Covid-19 is considered a prototype for the establishment of other field hospitals in Thailand during the 2nd wave of the epidemic in December 2020. Currently, the Field Hospital can support up to 470 patients and has admitted as many as 5,223 patients up until now (as of \_\_\_ November 2021).

### 3

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

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.



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 and nearby provinces, as well as people in remote areas and underprivileged people:

- Family Classroom Project is organized by the Faculty of Nursing to educate the general public on proper support for children with potential developmental delay and children with special needs.

- “Be Healthy and Be Happy life” project was established by the Faculty of Nursing to promote holistic health care for elderly people.

- Life Skills Summer Camp for Kids project, and the emerging infectious disease surveillance survey project.

- Dental service in remote areas by the staff and students of the Faculty of Dentistry supported by Dental Innovation Foundation under Royal Patronage for people who are underprivileged or in remote areas 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.

- Volunteering in mobile medical units on the occasion of Mahidol Day by Faculty of Medicine and other health-science faculties to provide health services and give advice on health issues to the public.

4

## 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

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.



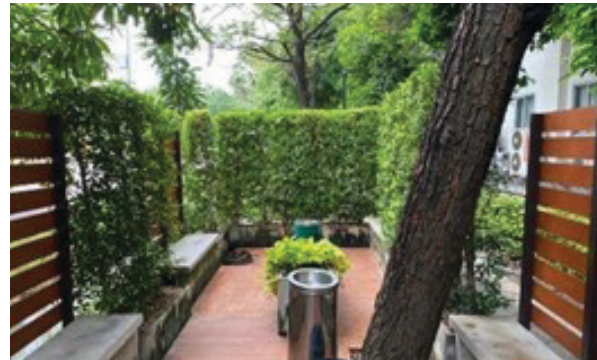
**Solar Park**, a public park with an area of about 1 square kilometer with was established with a concept in environmental development to increase green space and promote of healthy lifestyle that is close to nature and relies on renewable energy. A great number of visitors from inside and outside the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



## 5

# 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.





## 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 been evaluated using Education Criteria for Performance Excellence (EdPEX) for education quality assurance. Thammasat Business School is also the first and only business school in Thailand that has been awarded fully accredited international education standards from 3 international organizations, which are AACSB (Association to Advance Collegiate Schools of Business) from the United States, EQUIS (EFMD Quality Improvement System) from Europe, and AMBA (Association of MBAs) from the United Kingdom.

Moreover, Thammasat University also serve 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. All these educational opportunities in the area of Thammasat University are publicized through various media and the annual Thammasat Open House.

The Annual Thammasat Open House provides opportunities for students and the public to learn about the University’s curricula, to experience classes from each department, and to see the student life atmospheres at Thammasat University, Rangsit Campus. Last year’s Open House on the theme of “Sustainability Festival” was held at Puey Ungphakorn Centenary Hall, Thammasat University, Rangsit Campus on 26-28 November 2020.



The event included sessions on the following topics:

-  Exhibition Of Alternative Energy Products
-  Environmental Project Exhibition
-  Curricula Of Thammasat University
-  Discussion And Exchanging Experiences Living In The University
-  Discussion And Presentation Of Guidelines And Concepts Of Sustainable Society
-  Knowledge And Consult Workshops From Students And Staff From All Faculties
-  Green Flea Market, Selling Products That Are Good For Us And The World



## Thammasat Business School have won the Silver Award for “Best Lifelong Learning Initiative 2021”

THE ONLY AMBA & BGA Excellence Award WINNER FROM THAILAND AND ASEAN!

Thammasat Business School, Thammasat University has won the Silver Award for “Best Life Long Learning Initiative 2021”, organized by the Association of MBAs (AMBA) and Business Graduates Association (BGA)

The Best Lifelong Learning Initiative is a new award for 2021, which recognises the efforts of AMBA & BGA member schools that are reinventing teaching and learning among students, graduates and other stakeholders which extends its effectiveness beyond just the students, but also at school and outside community level.

As part of its commitment to lifelong learning, Thammasat Business School (TBS) offers practical, innovative programs to the widest possible segment of society. Hence, “Thammasat Model” has brought Thammasat Business school a “Silver Award” for “Best Lifelong Learning Initiative 2021”.

“...Thammasat Business School offers ambitious and innovative ways to awaken current students’ thirst for lifelong learning and, at the same time, equips entrepreneurs and employees in grassroots enterprises with the skills necessary to adapt and thrive in a world of challenges...” – AMBA&BGA judges for “Best Lifelong Learning Initiative 2021 award.





## 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, providing education and training on gender equality and gender diversity.



### Gender statistics

#### 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 2016 - 2020 academic years is 136,862 students, accounting for 63.50 % of the total number of students.

The total number of graduates of Thammasat University during th 2016 – 2020 academic years is 45,770 students, 29,683 of which are women, accounting for 64.85% of all graduates.

The number of female graduates in STEM is 6,651, accounting for 22.40% of the female graduates and 14.53% of all graduates.

The number of female graduates in medicine is 3,166, accounting for 10.67% of the female graduates and 6.92% of all graduates.

The number of female graduates in fine arts, humanities and social sciences is 19,866, accounting for 66.93% of the female graduates and 43.30% of all graduates.

	STEM	MED	Humanity	Total
Number of graduates (Male)	5458	1676	8953	16087
Number of graduates (Female)	6651	3166	19866	29683
Number of graduates (Total)	12109	4842	28819	54770

	STEM	MED	Humanity	Total
Number of graduates (Female)	6651	3166	19866	29683
Percentage of female graduates	22.40%	10.67%	66.95%	100%
Percentage of all graduates	14.53%	6.92%	43.30%	64.85%

## 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 59 people, 22 of which are female accounting for 37.29% 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.



## Institutional policies to support gender equality and protect against discrimination

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

1. Thammasat University Notification on Policy on Gender Equality and Non-Discrimination against Women, LGBT People, and People with Disabilities.
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).
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.



### 3

## Gender and anti-discrimination projects and activities

### TU Say No To Sexual Harassment on Campus. We are 'Generation Equality'

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 safety 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.

### Spotlight Initiative Project

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



are often excluded from taking part in solving important social problems, but the Spotlight Initiative provides freedom of thoughts and allows young people to work with women migrant workers to propose solutions, which is the heart of sustainable development that leaves no one behind.



university in Asia with which the UN considered creating a formal partnership in announcing the ratification of gender equality.

## The Girl in Control

Sirindhorn International Institute of Technology 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.

## Girls in ICT Day Thailand 2021

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.

## Parenthood empowerment

The Childhood Development Center was established to accommodate faculty members, staff, and students with children and allow them to work without worrying about childcare during office hours. In addition, the Childhood Development Center is a space for the students of the Faculty of Nursing to learn and practice early childhood care and

health promotion and serves as an academic service to the society. The center provides early childhood care to children of the faculty members, staff, and students of Thammasat University and from the surrounding communities from the ages of 6 weeks to 3 years or before joining kindergarten, with the maximum capacity to serve 131 children.



## Education and training on gender equality and gender diversity

Various faculties and agencies within Thammasat University have created activities and courses that promote understanding and awareness on gender diversity and gender equality. Related activities in the past year are as follows :

Faculty of Political Science offers courses that promote gender equality or women's rights, including

- PO 307 Feminist Political Theory
- PO 406 Politics of Gender and Sexuality

Faculty of Liberal Arts have created campaigns on gender equality and counteraction against sexual harassment and gender discrimination. The value of Faculty of Liberal Arts is "In diversity we respect and collaborate" to create a work culture that focuses on gender equality and is against sexual harassment and gender discrimination.

Thammasat Business School organized LGBT Inclusive Workplace: A Practical Training for Employers and HR Professionals (An LGBT Diversity and Inclusion Series) training course to provide the participants with knowledge and enhance their ability in managing human resources, LGBT employees, talent management, and diversity and inclusion in organizations in order to expand the views on sexual diversity and workforce.



Faculty of Sociology and Anthropology has established Sexual Safety and Sexual Awareness Promotion Board to set guidelines on promoting sexual safety; manage petitions related to sexual abuse, harassment, or exploitation; and publicize through various media to increase awareness on gender equality.

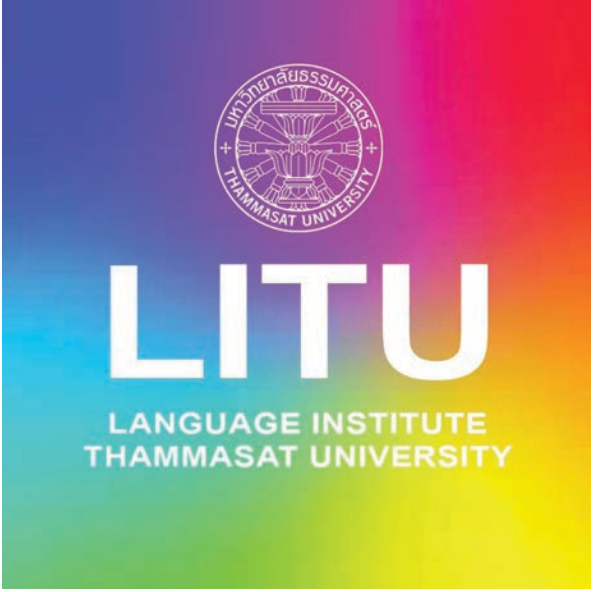


Thammasat Business School hosted Women Entrepreneurship Week 2020 Thailand “Promoting women entrepreneurship and responsible business conduct to advance sustainability and decent work” with 83 participants. The aim of this seminar is to share and discuss entrepreneurial experiences to inspire students and the public. This seminar is the 4th Women Entrepreneurship Week in Thailand, which is organized with the help of 250 universities and non-governmental organizations from 30 countries around the world.



for those who are interested in women’s development and the fight for equality in gender status and sexuality in the society to analyze and criticize social phenomena on women, gender, and sexuality issues, as well as to develop their knowledge that will lead to changes in the power relations between the genders as reflected in the complex economy, society and culture.

Language Institute held online LGBT Pride Month events to promote equality and gender diversity, and to push for equal rights for LGBT people.



Master of Arts Program in Women, Gender and Sexuality Studies by College of Interdisciplinary Studies is the first and the only program in the ASEAN region that was established to provide opportunities and space



## 6 CLEAN WATER AND SANITATION



# ENSURE AVAILABILITY AND SUSTAINABLE MANAGEMENT OF WATER AND SANITATION FOR ALL



Thailand is located in a tropical zone where the main source of freshwater is from precipitation as rainfall all year-round. Although, there are heavy rainfalls during the monsoon months (July to October), the scarcity of water is still an acute problem in the sustainable development of some areas. Water management is the key for people to get access to clean water in Thailand. Thammasat University also recognizes the importance of this critical issue. Many policies and activities are designed and implemented to maintain water quality in order to properly manage water resources and minimize water usage.



## Water management and utilization

Thammasat University has a central wastewater treatment plant that receives wastewater from all buildings and laboratories. Wastewater treatment at this plant reduces the odor and minimizes water pollution that benefits aquatic animals and plants. It also creates much cleaner and livable environment for learning. The treated wastewater from released from the plant is discharged into the neighboring canals where it is further filtered by aquatic plants. The quality of treated wastewater is periodically monitored to ensure that Thammasat University continues to make its contributions towards reducing

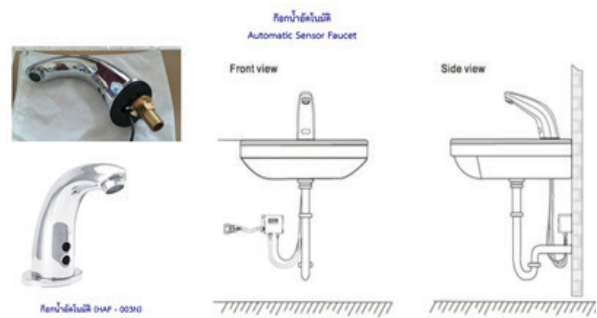
water pollution. Thus, wastewater treatment at the University benefits the surrounding communities, and ensures that natural water resources, such as lakes and canals continue to serve as places for leisure and recreation.



The University recognizes the importance of water quality management and has installed aeration turbines in the canals around the University to increase the oxygen level and reduce a potential of water pollution because the University believes that good water quality can improve well-being of the staff, faculty members, students, and the surrounding communities.



Water from the canals is used in place of tap water in activities that do not require clean water in the University. In addition, many of-ice buildings have created activities to promote efficient water usage such as reusing water from dishwashing or taking the residue water from meetings to water plants. Many faculties have installed devices that help with water saving, such as replacing conventional faucets with automatic sensor faucets and switching to appliances that are water efficient.



2

## Access to clean water for students and staff



Thammasat University provides the students and staff with access to clean drinking water by installing drinking water dispensers in locations that are frequently used. In Rangsit Campus, drinking water dispensers are installed in Food Center, Gymnasium, Sport Facilities and Faculty Buildings. In addition to providing Thammasat community with access to drinking water, this approach also reduces single-use disposable wastes, e.g. reducing the purchase of water in plastic bottles and reducing the use of plastic straws.

3

## 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 Chao Phraya River in areas stretching from Pathum Thani to the River's estuary. "Kayaking to collect garbage: from canals to the sea" is an activity that encourages people to be involved with Chao Phraya River and 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.



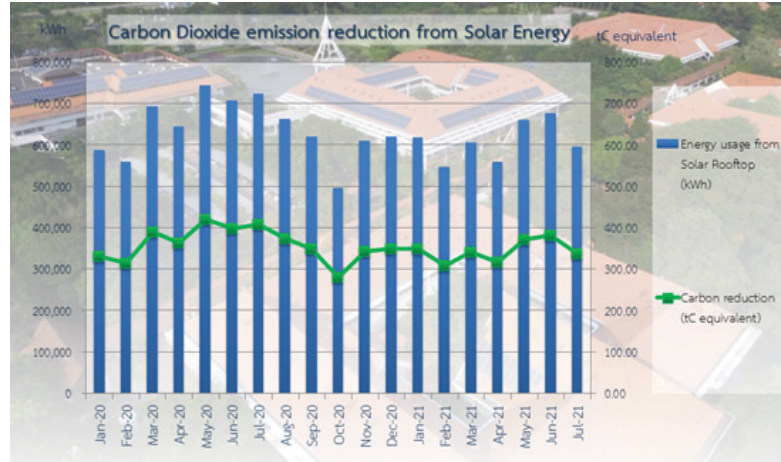
**ENSURE ACCESS TO AFFORDABLE, RELIABLE, SUSTAINABLE AND MODERN ENERGY FOR ALL**

Thammasat University is heading toward becoming a leader in the field of clean energy to serve as a learning center and a model for energy conservation via various methods, such as converting to electric vehicles, utilization of energy-efficient innovations, energy-efficient building design, etc.

**1**

**Promoting the use of clean energy**

Thammasat University advocates the use of clean energy as a clean energy producer. Thammasat University Rangsit Campus has installed solar energy systems (Solar Rooftop) with a current capacity of 6.7 MW, which accounts for 7% of the total electricity consumption in the University.



Thammasat University, Lampang Campus has a plan to install Solar Rooftop on the on-campus buildings with a total capacity of 692.19 kW. This will help the University to tap an important renewable energy source and help in reducing its electricity expenditure.

2

## Reducing greenhouse gas emissions

The University advocates reduction in energy consumption from fossil fuel combustion by signing agreements of cooperation with Haup Car to promote the use of electric vehicles for students, staff, and visitors to reduce the use of combustion vehicles within the University. Moreover, university replaces NG service shuttles and buses in the University with electric vehicles. The University also provides electric vehicle charging stations to support those who use electric vehicles.



The University has partnered with Star 8 (Thailand) Company Limited to provide electric motorcycles for use within the University with the aim to give personnel and students an alternative mode of transportation that is low-carbon which helps reduce greenhouse gas emissions and promotes the use of clean energy.

3

## Efficient energy use

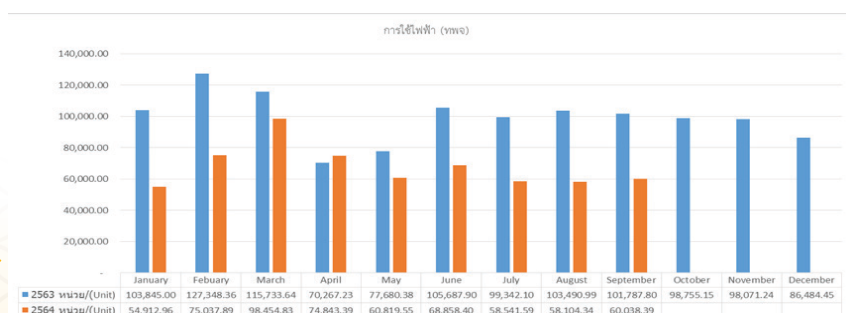
### 3.1 Tracking energy use in buildings

The outcomes of energy conservation measures implements in various buildings are tracked in order to display the overall performance, which can stimulate more effort and create positive attitude toward energy conservation.



Electricity consumption tracking in the Office of the Registrar

Electricity consumption tracking in Thammasat University Library Building



### 3.2 Electricity use in Thammasat Solar Park

Thammasat Solar Park is a public park that was established with the aim to utilize renewable energy in a green space. Besides the direct benefit which is increasing clean energy use, the Solar Park also serves as recreational green open space that can educate the visitors on the importance of clean energy and introduces them to clean energy innovations, as follows:

- ☀️ The lighting system of the 800-meter-long bicycle track completely powered by solar energy from 60 solar panels with an individual power rating of 60-watt. This is a model for solar energy use in urban area.
- ☀️ Electricity from the solar panels are used to power 600-watt LED decoration lights on the central sculpture of the Solar Park and around the outdoor activity space. This is a model for the design of outdoor decoration lights that completely rely on renewable energy.
- ☀️ Three sets of solar energy systems generate 2500 watts of clean energy that powers lamps along the footpaths and provides lighting for the nearby sculptures, and for the water pumps used in the Park.
- ☀️ Decoration lamps along the footpaths in the park are energy-efficient. These lamps can be further implemented in other areas of the University.
- ☀️ Solar energy systems on the roofs of 3 nature classroom buildings and the roof of the waterfront terrace generate a total 5000 watts of clean energy. This clean energy supports the footpath lighting in the Park, provides electricity to the 3 nature classroom buildings, waterfront terrace, waterfront recreational area, and the activity space, and powers the water pumps in the Park



### 3.3 Switching to LED lighting system

The University has replaced lamps on the streets with LED light bulbs which consume less electricity to provide the same luminosity when compared to other types of light bulb. At present, about 20% of all light bulbs have been replaced with LED bulbs.



### 3.4 Summary of energy consumption reduction

The University has a key policy on energy conservation and access to modern, sustainable energy to increase the proportion of renewable energy and improve energy efficiency, which includes collaboration in research on clean energy technology and infrastructure. The University also has a measure for energy conservation and management that serves as a practice guideline for all agencies within all the four campuses.

The University has the following goals in reducing energy use :



The current proportion of clean energy use from solar energy is 7% of the total electricity consumption, lar energy is 7% of the total electricity consumption, The University’s goal is to increase the proportion of clean energy use to 10% of the total electricity consumption by the end of 2022.



By October 2021, 20% of the total number of light bulbs used in streetlights have been replaced with LED bulbs. The University has a goal to increase the proportion of LED bulbs used in streetlights to 50% of the total number of



At present, 2 electric vehicle charging stations have been installed. The University has a goal to install 3 additional charging stations by the end of 2022.



## Energy-efficient building design

**4.1** Puey Ungphakorn Centenary Hall is a building that is designed by energy-saving concept to reduce the heat flow into the building to reduce heat accumulation, which affects the function of air conditioners in the building. Energy consumption in the building can be reduced by designing water bodies encircling the building to reduce the temperature of the air that flows into the building. Green space on the roof helps absorb rainwater and block out heat, resulting in an evergreen building that can also serve as a place of recreation. The rooms in the building are designed to allow the use of natural daylight for lighting and to reduce the use of electrical energy.

**4.2** Environmental building design of Thammasat Secondary School won IFLA AAPME AWARDS 2020 Landscape of Building 3 of Thammasat Secondary School, designed by Arsomsilp Community and Environmental Architect Co., Ltd. and Arsom Silp Institute of the Arts, won an Award of Excellence in Analysis and Master Planning category from IFLA AAPME AWARDS 2020, organized by the International Federation of Landscape Architects under the concept of "Global Call for Resilience". The landscape design focuses on achieving an area of diversity for mutual learning and can be a model project that promotes resilience toward the changes of urban and nature systems.

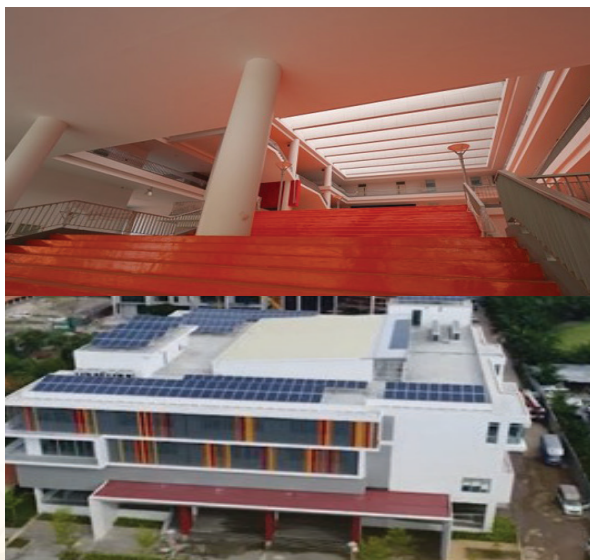


**4.3** International Learning Building is a certified energy conservation building design by The Department of Alternative Energy Development and Efficiency. This building design can significantly reduce the energy consumption with the performance that is 43% better than the Building Energy

The design of International Learning Building include the following distinctive characteristics:

- Installation of transparent roof and concrete slabs to allow natural light and thoroughly distribute the light.
- Orienting the building along the North-South direction to improve ventilation from seasonal winds.
- Areas that are not always in use or are not air-conditioned, such as stairs, elevators, and toilets, are placed in the West to prevent heat entering the building.
- A masonry wall is built on the outside. Vertical sunshades and a 65-mm-thick insulated inner wall made of fiber cement boards are used to prevent excessive sunlight and heat from entering the buildings.

Thammasat University recognizes the value of energy conservation and has set a goal that all future buildings constructed on the campus must be energy-efficient.



**4.4** Faculty of Learning Sciences and Education Building design to reduce energy consumption

- Sitting area in front of the buildings is designed to be next to a fish pond which makes the space cool and suitable for use as a place of recreation.
- High ceiling design was used to improve air circulation inside the building, which helps reduce the use of air conditioners.
- Installation of transparent roof allows the building to rely on natural light.
- Trees inside the buildings make the space green and comfortable and encourage people to appreciate nature.



## 8 DECENT WORK AND ECONOMIC GROWTH



# 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. Previous efforts on improving local economy were producing quality graduates for the industries and the society, research publication on Thai farmers, and economy promotion projects. The University also recognizes labor rights and ensures good work environment of all personnel in Thammasat University.



## Employment practice

### 1.1 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 of the following benefits, funds and grants for the personnel:

#### Health benefits

To promote the health of the personnel, Thammasat University organizes annual health check-ups for the personnel free-of-charge.

In addition, in the case that any personnel is admitted to a hospital, Thammasat University will send gift baskets and contribute to the medical expenses, which includes medical expenses of parents, spouse and minor legitimate children of the personnel.

#### Social security fund

Personnel of Thammasat University are required to contribute to the social security fund, which was established with the aims to ensure basic welfare and life stability of employees with domestic income. The money that is equally contributed by the employer and the employee will be used to establish the fund that will pay back as benefits or coverages. The time frame to claim the benefit is within 1 year from the date of right to claim the benefit.

### **Life and health insurance benefit**

In addition to the health benefits, Thammasat University provides annual life, accident and health insurances for all the personnel to ensure their stability against possible losses due to their own or their family's accidents or health issues.

### **Housing benefit**

In addition to the health and insurance benefits, Thammasat University also pays attention to personnel housing by contributing toward the mortgage interest for up to 10 years. Thammasat University also issues Benefit Verification letters for mortgage applications with Government Housing Bank and Government Savings Bank for the personnel who wish to set up a mortgage with the interest rate that is lower than normal customers.

### **Credit fee support during master's degree education**

Thammasat University prioritizes personnel development in terms of work experience and education. The University, thus, allocates welfare funds to help the personnel with the credit fee during their part-time master's programs at Thammasat University that match with the qualifications for their current position. The support is also available for master's programs in other higher education institutions only in the case that similar program is not offered at Thammasat University or the support applicant is not eligible to join the program at Thammasat University.

### **Disaster relief grants**

In case of a disaster such as flood, storm and fire, Thammasat University pays disaster relief for those who suffer from property loss within a period of 3 months after the incident.

### **Provident fund**

Thammasat University has established a provident fund for university employees with the objective to provide the employees with stable welfare benefits, to promote money management, and to guarantee the support after retirement.

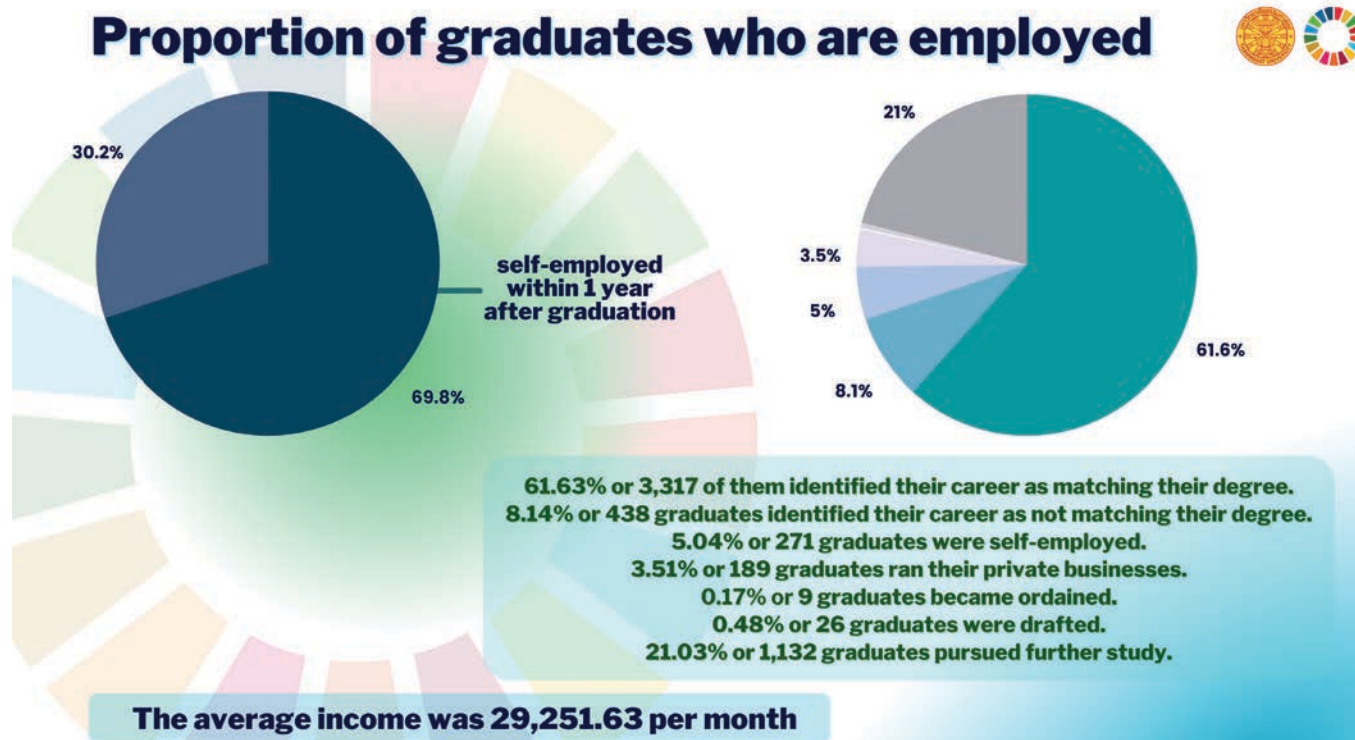
### **Child education benefits**

Thammasat University supports the education of the children of all personnel who are enrolled in schools affiliated with the Ministry of Education, Provincial Administrative Organization, Bangkok Metropolitan Administration, demonstration schools affiliated with other universities, and other private schools under supervision of the Ministry of Education from kindergarten level up to Year 6 of secondary school or Year 3 of vocational education.

In addition, to alleviate the burden of the personnel in child care during the summer break, Thammasat University organizes an annual Day Camp in April of every year for children of the personnel who are between 4 and 11 years old.



## 1.2 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 7,677 graduates from 115 courses.

From the survey, 6,037 graduates participated and provided their employment information, which accounts for 78.64% of the total number of graduates. The number of graduates who became employed or self-employed within 1 year after graduation was 4,215 people, equivalent to 69.82% of all graduates who participated in the survey.

Of all survey participants, 3,317 of them identified their career as matching their degree; 438 graduates identified their career as not matching their degree; 271 graduates were self-employed; and 189 graduates ran their private businesses. The average income was 29,251.63 per month.

In addition, the survey found that 9 graduates became ordained; 26 graduates were drafted; and 1,132 graduates pursued further study.



## Circular Economy Promotion Project for the communities in Tambon Bang Krabue, Sam Khok District, Pathum Thani, which is an area under the responsibility of Thammasat University

Circular Economy is an economy system that aims to reduce waste and optimize resource utilization in order to reduce wastes, pollution, and energy usage simultaneously.

Tambon Bang Krabue that has jointly established a community enterprise has several strengths that can be further developed. The highlight of the communities in Tambon Bang Krabue is the rural environment with a lot of banana plantations. Bananas that are damaged and cannot be sold can be developed into products which can generate revenue to the banana growers and create more jobs in the community.



### 3

## Creative Tourism Economy Development during COVID-19 Outbreak Project

The Integrated Subdistrict Economic and Social Enhancement Project (U2T) in Tambon Bang Krabue, Sam Khok District, Pathum Thani, under the responsibility of Thammasat University, led to the creation of Creative Tourism Economy Development during COVID-19 Outbreak Project. The main goals of this project are to publicize and promote tourism activities and to upgrade the

economic infrastructure in Tambon Bang Krabue in order to increase the revenue and improve tourism services, with the end goals of creating employment and new job positions, circulating and distributing income to local communities, as well as stimulating economic growth in local and regional communities to reduce economic inequality. The results of this project include:

- The number of tourists to Tambon Bang Krabue increases by 5%
- Income from tourism in Tambon Bang Krabue increases by 5%
- The economic potential in the community improves, and the number of shop in Wat Bot Community increases by 5%





## 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 by organizing hackathons and collaborative research efforts with NSTDA.



### Hackathon by Rangsit Campus Administration Division

Thammasat University together with AIS has established Sustainable Development Goals Lab (SDG Lab) at Puey Ungphakorn Centenary Hall, Thammasat University, Rangsit Campus to serve as a laboratory space for projects that aim to solve problems in global warming, climate change and sustainable development by focusing on small projects that require small budget but can create a large impact. The SDG Lab strives to create sustainability and develop as a space for experiments and hands-on practices for innovators in order to support innovation development and application of technological solutions to environmental problems in various dimensions.

Rangsit Campus Administration Division encourages students and the public to participate in concept proposal presentations for prototypes or devices to solve problems due to global warming and climate change with concept frameworks that are consistent with the Sustainable Development Goals of the United Nations as a part of “Thammasat SDGs Lab Climation Hackathon”. Concept proposals with a potential of further development will be implemented in SDG Lab at Puey Ungphakorn Centenary Hall. This year’s Hackathon took place on 3 – 4 April 2021 at Puey Ungphakorn Centenary Hall, Thammasat University, Rangsit Campus.



2

## U2T Hackathon by Faculty of Public Health

Faculty of Public Health, Thammasat University has been commissioned by the Rector to organize a Hackathon under the Integrated Subdistrict Economic and Social Enhancement Project (U2T) for the Central region during May–December 2021. The main skill development activity for the participants is to brainstorm on actual problems and requirements to create innovative solutions that are appropriate for the context through community-integrated learning in 753 sub-districts of 18 provinces. The theme of this Hackathon is “Innovations to Drive Local Economy” in 4 aspects, which are Creative Economy, Health Care Technology, Circular Economy, and Art and Culture.

There were 112 teams that participated in the Hackathon, 5 of which were selected as the representatives of the Central region. These teams were paired up with mentors from 5 agencies under the supervision of Ministry of Higher Education, Science, Research and Innovation.



3

## Super AI Engineer Project

Nowadays, AI plays a role in virtually every industry and is a great opportunity for Thailand to build the economy on technology and innovations. Thailand possesses a lot of talents in the AI field, which will be a strong base for our competition on the global scale, especially now that the government has expressed their support in the development of AI by partnering with higher education institutions, the private sector, and professional associations, in establishing “the National AI team”.

On 14 Sep 2021, the Ministry of Higher Education, Science, Research and Innovation joined forces with Thammasat University and a network of more than 45 organizations in establishing the 'Thai AI Consortium' which was the first of its kind in Thailand. The Ministry also allocates a budget to support AI knowledge and manpower development through the 'Super AI Engineer' Project with the expectation to create AI experts that will drive the industry. On the same day, Thammasat University and the alliances also jointly witnessed the signing of a 'Memorandum of Cooperation on digital knowledge management and AI skill certification and development' to create the 'AI Academy Alliance'.

Prof. Dr. Thanaruk Theeramunkong, the President of the Artificial Intelligence Association of Thailand and a lecturer at Sirindhorn International Institute of Technology Thammasat University, explained that the goals of AI Academy Alliance are to prepare the resources, personnel, and a systematic knowledge management in artificial intelligence technology for AI technology development in Thailand. This Alliance will serve as the 'center' where all sectors can come together to exchange knowledge and resources, which will ultimately advance the AI industry in Thailand. This cooperation is the first and an important step for creating and supporting new talents in AI that will help drive the manufacturing industry and the service sector.

In addition to the establishment of "the National AI team", Thammasat University has supported and powered the AI circle in Thailand by establishing the 'Thammasat AI Center' and the 'Artificial Intelligence Skill Development Institute' to create innovators who will pioneer the development of cutting-edge artificial intelligence technology in Thailand.

#### 4

## Multidisciplinary development of 3D-printed prosthetic eyes

Many people say that eyes are the window to the heart, but eyes are more important than that. When we just woke up, we must open our eyes first before getting out of bed to do other activities. Eyes are, therefore, important because they make us see and perceive things that happen around us. But for those who lost their eyes, either due to congenital disability or an accident, they not only cannot see but also suffer in terms of individual image, social interaction, and other opportunities. Many people say that eyes are the window to the heart, but eyes are more important than that. When we just woke up, we must open our eyes first before getting out of bed to do other activities. Eyes are, therefore, important because they make us see and perceive things that happen around us. But for those who lost their eyes, either due to congenital disability or an accident, they not only cannot see but also suffer in terms of individual image, social interaction, and other opportunities.

The 'Prosthetic Eye Center' of Thammasat University Hospital provides ocular prostheses to people who have lost their eyes free of charge, under the policy proposed by Assoc. Prof. Gasinee Witoonchart, the Rector of Thammasat University, while serving as the Vice Rector for Planning and Quality Development and the acting Dean of the Faculty of Dentistry, Thammasat University in 2015. The project was initially supported by Bangkok Bank with the funding of 600,000 THB together with extra supports from Prof. Dr. Sittichai Koontongkaew, D.D.S. And Assoc. Prof. LadyAmpornSukhonthamarn, M.D.

The Prosthetic Eye Center has adopted a multidisciplinary approach, with the joint effort from ophthalmologists, dentists, and engineers, to create 3D-printed ocular prosthesis that matches the real eye and requires less time to produce. "In creating permanent ocular prosthesis, a lot of time is required to draw the sclera and the pupil that perfectly match the other eye", Adj. Prof. Dr. Sakchai Wongkittirak, M.D., the Director of Thammasat Eye Center said.

In the multidisciplinary development process, the ophthalmologists will assess the type of prosthetic eye that is suitable for each case. Then the engineers implement 3D printing technology, starting by scanning the patient's eye to capture the color of the pupil and the blood vessels in the sclera which are unique. The 3D printer will adjust the color of the prosthetic eye to match the real eye. The 3D-printed ocular prostheses are produced using the material used in dentures, which thus requires the supervision by dentists.

The 3D-printed prosthetic eyes can be completed in a matter of hours, allowing them to be used while the patients are waiting for their permanent ocular prosthesis. The 3D-printed temporary prosthetic eyes do not have any negative effect, can be worn for a long period of time, and can be taken out to clean in the same way as contact lenses. If these 3D-printed prosthetic eyes are developed to be more durable, there are chances that they can be used as permanent ocular prostheses.

The 3D-printed prosthetic eyes innovation has won a national-level excellence award in service innovation from the Office of the Public Sector Development Commission On 16 September 2020. Thammasat Eye Center received this award for the second consecutive year. In 2019, the Center won an award from 'music therapy during phacoemulsification surgery' from the Thammasat Cataract Center.





## 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.



### 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.

2

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)

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)

## 2

### Universal design for all

#### 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.

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.



#### 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.

### 3

## 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 such as

- Organizing educational guidance for students with disabilities and 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
- Supplying volunteers or buddies to help students with disabilities, Providing financial support (tuition fee) and Providing technological facilities, class materials, dorm rooms, and other physical environments that are suitable for students with disabilities
- Counselling services for academic and personal issues, potential development training for students with disabilities and assisting graduates with disabilities with employment

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

1. 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 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 individuals, 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.



## 4

### Proportion of female students and students and staff with disabilities

The total number of students with disabilities who are enrolled in bachelor's, master's and doctoral programs of Thammasat University during the 2018 – 2020 academic years is 242 students, accounting for 0.15% of the total number of students, which is the 4th highest in public universities in Thailand

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.

## 5

### Outreach programs and recruitment 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:

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.



- 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.
- 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.
- 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.
- 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.

## 6

# Activities and projects to support underprivileged students and staff

## 1

Thammasat University together with Office of the Ministry of Higher Education, Science, Research and Innovation has issued a policy on implementing The Integrated Sub-district Economic and Social Enhancement Project (U2T) where Thammasat University is responsible for 50 districts, consisting of 48 districts in the Northern provinces of Chiang Mai, Lampang, Nan, and 2 districts in the Central province of Pathum Thani. The goals of this project are to increase employment opportunities for new graduates, students, and the public and to utilize the knowledge from the University to help enhance the economy and the society in each district toward sustainability, as well as to develop and improve 4 types of skills (digital, investment, languages, and social) to the employees.



## 2

Thammasat University has implemented a project to prepare students with disabilities through the online system prior to attending the University to ensure their access to learning skills, daily self-help skills, as well as ability to communicate with other people effectively. The activities of this project includes educating about preparation for further education, developing skills in using equipment and supporting technology to assist in learning and seeking knowledge, including developing skills that students with disabilities require in daily life in the University.



## 3

Volunteers in the production of learning materials to students with disabilities to promote knowledge and foster imagination in visually impaired persons with the following activities:

- Producing e-books for visually impaired students, including MS Word and PDF files
- Producing Braille books from class materials or textbooks according to the needs of visually impaired students
- Producing audio books from class materials or textbooks
- Recruiting volunteers for the production of e-books, Braille books, and audio books



11 SUSTAINABLE CITIES AND COMMUNITIES



## MAKE CITIES AND HUMAN SETTLEMENTS INCLUSIVE, SAFE, RESILIENT AND SUSTAINABLE

Thammasat University focuses developing safe and sustainable campuses to promote work-life balance among the Thammasat community as well as to allow the public an access to green spaces close to nature. The University has issued a policy on safety management, developed sustainable transportation system in the University, and provided safe and accessible public spaces.

Thammasat University has created road and transportation system that can accommodate all modes of transportations: walking, bicycles, motorcycles, service shuttles and private cars. The University ensures that the students and staff can choose the mode of transportation that suits their situations without fearing for their own safety. Designated covered walkways, crosswalks, and bike lanes are created all around the

campuses to reduce the chance of road accidents and encourage the reduction of car use. A system of service shuttles runs around through all the main places on campus. Some portion of the service shuttles on campus has been converted to electric vehicles. This change is an attempt of the University in reducing the environmental impact.

Thammasat University Rangsit Campus focuses on balancing the use of space on campus. About half of the Rangsit Campus is still green space which can be used for recreation and exercise purposes and allows the students, staff, and the public to live a balanced life in nature. Among the developed space, the University focuses on providing spaces for sports and recreational activities to encourage everyone in the Thammasat Community to achieve balance between working/studying and personal life.



## 2

### Thammasat University Policy on Safety, Occupational Health, and Work Environment



Thammasat University has issued a policy on safety, occupational health and work environment which requires safety management of the traffic system and in biological, chemical and radiation laboratories to correspond with the visions and missions of the University and to comply with the related standards, rules, or regulations. The policy also includes publicizing and raising awareness on the importance of safety management and tracking the results to ensure that Thammasat University has security practices that are systematic and follow international standards.



## 3

### PM2.5 Measurement Innovation by Faculty of Engineering

Phromsurin Buddhhamwong, a third-year undergraduate student from Department of Electrical and Computer Engineering, Faculty of Engineering, with supervision and financial support of Lecturer Watchara Amasiri from Faculty of Engineering, developed TSE Air Quality Indicator (TSE AirQ) to monitor air pollution level inside Thammasat University, providing an access to accurate pollution data and raising awareness on wearing protective masks in Thammasat community.





12 RESPONSIBLE CONSUMPTION AND PRODUCTION



## ENSURE SUSTAINABLE CONSUMPTION AND PRODUCTION PATTERNS

Resources on earth are limited, while human needs are unlimited. Thammasat University recognizes the importance of responsible resource management by issuing policies and establishing partnerships with external agencies to reduce construction waste, reduce wasteful consumption and manage hazardous waste to show our responsibility to the society and environment. Besides, the University has introduced the technology and organized events that promote reduction of resource utilization and create awareness of the Thammasat community.



### Waste management policies and agreement

#### 1.1 Waste management policies within the University

The University has a policy on the management of municipal solid waste, covering all activities within the University to ensure systematic waste management and maintain the environment within the University with optimal use of resources.

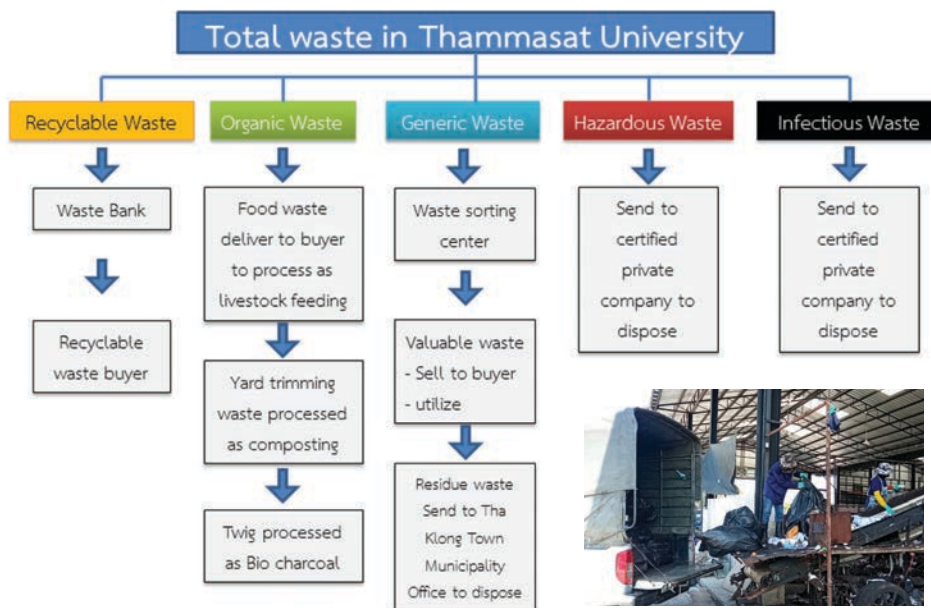
As a starting point, all buildings and agencies are required to sort wastes into recyclable waste, organic waste, hazardous waste, infectious waste, and generic waste to prepare for the proper management according to the type of waste.

And all traders in the canteens, markets and shops are required to sort waste according to such policies. The University may also take waste management policy of potential partners into consideration during the selection process.

The University constantly tracks waste generating data and has organized several activities to promote awareness on waste reduction as a step on the path to zero waste.

### 1.1.1 Journey of waste in the University

Waste management in Thammasat University is shown in the chart below:



- Purchasing recyclable waste through the waste bank to encourage Thammasat community to sort waste
- Sorting food waste to be converted into liquid bio-fertilizer.
- Sorting twigs and leaves to be made into bio-fertilizer
- Collecting generic waste from trash cans to sort out sellable wastes at the waste sorting plant and sending non-sellable wastes to the municipal for disposal
- Coordinating with private sectors to legally dispose hazardous waste and infectious waste

### 1.1.2 Waste information tracking

Waste amount summary from January 2016 - December 2020:

- Recyclable waste from the waste bank and Thammasat waste sorting plant: 4,099.84 tons.
- Waste forwarded to the municipal: 11,783 tons.
- Total amount of waste: 15,882 tons.
- In 2020, the total amount of waste was 3,175.3 tons, 700.3 tons of which is recyclable waste, accounting for 22% of total waste.

The amount of each type of recyclable waste collected from the waste bank



## 1.2 Reducing the use of plastic and building partnerships with external agencies to reduce single-use plastic



### Policy to reduce the use of plastic in the University

Thammasat University has issued “no single-use plastic” policy which prohibits the sale of drinking water in bottles with plastic cap seals and the use of single-use plastic bottles, boxes, plates, and cutlery, in meetings and other events.

### Joint effort in reducing the use of plastic

The University also collaborates with private sectors on several projects to jointly reduce waste, for example:

- Signing an MoC on reducing the use of single-use plastic between Sustainable University Network of Thailand and CP All Public Company Limited; establishing a cloth bag lending system; and requiring convenience stores in the University to quit giving out plastic bags, cutlery, and straws
- Creating an agreement between 7-eleven and Sustainable University Network of Thailand to reduce plastic waste
- Joining “Converting Plastic to Donations” project by Department of Environmental Quality Promotion



### 1.3 Organic waste disposal method

The University has many green areas, creating a lot of twigs and leaves. The trees need maintenance and minerals to grow properly, the University thus composts the twigs and leaves from tree trimming using the no-turn hot composting method which takes approximately 1 month. In 2009 – 2011, the University can produce up to 120 tons of compost to fertilizers.

Biochar has also been produced from twigs with diameters of more than 5 inches with a production capacity of 50 kilograms per month.



### 1.4 Food waste management

The University has prepared food waste bins in the canteens and various buildings. Some portion of the collected food waste is sold to companies that will process it into animal feed, and the rest goes through an anaerobic fermentation where microorganisms naturally digest the waste and produce liquid fertilizer to be used in agricultural areas.

### 1.5 Cooperation agreements with external agencies to manage e-waste

The University has issued a Memorandum of Cooperation (MoC) under E-waste project between Thammasat University and Advanced Wireless Network Co.,Ltd. to collaborate in reducing, collecting, storing, and properly discarding waste from electrical and electronic Equipment (WEEE or e-waste).

E-waste is dangerous to the environment and should not be discarded with other types of waste because the chemicals within e-waste, once deteriorated, can contaminate the water and the soil.



2

## Activities to promote waste management

### 2.1 Awareness raising with active participation

In Thammasat Sustainability Festival, there were training and knowledge programs on waste management to stimulate the awareness on sustainable use of resources to the general public. There was also a training program on upcycling to foster skills and creativity of the public in creating added value to products.



### 2.2 Converting waste into value: sorting waste for reward points

Thammasat University has a campaign to reduce waste from single-use disposable plastic. To improve the campaign effectiveness, the University collaborates with private sectors in organizing activities, such as collecting reward points from volunteer activities that can be used to redeem environmentally friendly prizes.



### 2.3 Teacher appreciation pedestal trays for the community, the tradition, and waste reduction



In important events of the University, such as Pridi Banomyong Day (May 11) and San-ya Dharmasakti Day (April 5), all agencies are encouraged to create pedestal trays from stationery, sports equipment, books, or other objects that can be further used.



### 2.4 Refill Shoppe



Refill Shoppe contributes to the sustainability of the University by selling refills of consumer products and allowing the users to bring their own packaging to reduce packaging waste. During the first 2 months after the store opened, there were more than 4,000 customers, and it could reduce the use of more than 20,000 pieces of plastic packaging. Refill Shoppe is a model learning center in reducing plastic packaging waste.





13 CLIMATE ACTION



## TAKE URGENT ACTION TO COMBAT CLIMATE CHANGE AND ITS IMPACTS\*

In an era that effects of global warming are getting more severe, Thammasat University has made efforts to combat and prevent the impacts of climate change. Besides addressing an urgent issue which is flooding, the University is working on developing into a low-carbon community to lessen our environmental impact. Some examples of our efforts are using sustainable building design, creating a rooftop garden for the community, introducing sustainable modes of transportation on campus, and organizing courses and events that educate and raise awareness on sustainability and environmental issues.



### Water level tracking for flood prevention

Thammasat University, Rangsit Campus locates in a lowland watershed area, and Thammasat University Tha Prachan Campus is adjacent to Chao Phraya River; both of which are considered areas at risk of flooding. The University pays attention to the importance of adaptation to cope with natural disasters and severe weather that may arise due to climate change, especially flooding. The University constantly checks and modifies the water level in water bodies on campus to ensure the safety of buildings, belongings,



However, when making water management plan, the University also takes in to account the communities outside the University so that the plan does not create a negative impact on the surrounding communities because we believe that disaster and water resource management matters to every-

2

## Smart City Design Principles for university development

Thammasat University prioritizes the developments following the Smart City Design Principles. Considering the students and staff living together in the University as a type of community, Thammasat University has introduced digital systems to facilitate and monitor several environmental markers to ensure wellbeing of the community. These Smart City Design Principles will help reduce unnecessary activities and improve information management, such as managing the data on transportation and resource usage, which can promote behaviors that reduce carbon footprints.

3

## Puey Ungphakorn Centenary Hall as Sustainable Building Learning Center

Puey Ungphakorn Centenary Hall is a learning center on building design that reduces greenhouse gas emission and adaptation to climate change. The design of Puey Ungphakorn Centenary Hall includes simulating a catchment area in a form of rice terraces and growing plants on the building to optimize cultivation area and serve as learning area for the public.

4

## Converting carbons to edible

Vegetables has been planted in the rooftop urban farm of Puey Ungphakorn Centenary Hall with the concept of “converting carbons to edibles”, which is to grow vegetables that absorb carbon dioxide during their growth. Fertilizers used in the park are made of composts, such as twigs and leaves from tree trimming in the University, which have been digested. This reduces the use of chemical fertilizers and carbon emissions from fertilizer production process. The compost fertilizers are the main source of minerals for trees and plants in the University which also help reduce the amount of organic waste. In 2009 – 2011, the University can produce up to 120 tons of compost fertilizers.



In addition, food waste on campus is turned into liquid biological fertilizer for use within the University in order to reduce the amount of food waste from each building and to build awareness on waste sorting. Since the project started in 2020, 520 cubic meters of biological fertilizer has been produced.



Biochar has also been produced from twigs with diameters of more than 5 inches with a production capacity of 50 kilograms per month.

5

## Thammasat Solar Rooftop

Thammasat University recognizes the importance of adaptation to changes due to global warming, so we have contributed to the reduction of carbon emissions by increasing the proportion of electricity from clean energy and reducing the proportion of energy from fossil fuels. Currently, Thammasat University Rangsit Campus has installed the Solar Rooftop system on building roofs, which has the electricity production capacity of 6.27 MW. During 2020, this solar energy system produced 7,554 MW of electricity,

accounting for 10% of the total electricity consumption of University. This is equivalent to 4,074 tCO<sub>2</sub>e reduction in greenhouse gas emissions, comparable to carbon absorption from as many as 4,238 perennial trees\*. These numbers will keep rising if we can reduce the use of fossil fuels from coal or natural gas and make a continuous progress in conversion to electricity from clean energy and increasing the production capacity until the University can completely rely on renewable energy.

**ปี 2563 ธรรมศาสตร์ ศูนย์รังสิต**  
**ผลิตพลังงานไฟฟ้าจาก SOLAR ROOFTOP**  
**ได้ 7,554 MW**

- ลดคาร์บอนไดออกไซด์ (CO<sub>2</sub> emission reduction) **4,238 T**
- ลดการปล่อยก๊าซเรือนกระจก **4,074 tCO<sub>2</sub>e**
- ทดแทนการปลูกต้นไม้ **4,238 ต้น\***

\*คำนวณจากการกักเก็บคาร์บอนเฉลี่ยของต้นไม้เขตร้อนชื้น อายุการกักเก็บ 40 ปี

\*This is calculated from the average carbon absorption of the perennial trees in tropical forests with the average age of carbon adsorption of 40 years/tree.

## 6

### AnyWheel bicycle-sharing project

A priority of Thammasat University in sustainable development Goals is the transportation system within the University. Bicycle-sharing project is a project to help reduce emissions of greenhouse gas which is a cause of global warming. Anywheel is the company that was chosen to service shared bicycles in the University. Anywheel, which was established in Singapore, has been authorized by the Land Transport Authority of Singapore to provide bicycle-sharing service. Anywheel bicycle-sharing project was launched in Thammasat University, Rangsit Campus on November 11, 2020 and has been honored by the rector, Associate Professor Gasinee Witoonchart, in presiding over the launch of the project.

Thammasat University currently has more than 1000 shared bicycles and more than 50

stations in service in almost all the popular landmarks to accommodate the students and staff.

As a result, from January until September 2021, carbon emission due to transportation within the University decreased by 18,220 kg, averaged to 2,024 kg per month. The total travel distance of all the shared bicycles were 165,636.18 km, which in terms of health, burns as many as 4 million kcal.

When compared with traveling 1 km by car, riding a bicycle can reduce the production of carbon dioxide by up to 110 g

Members of the Thammasat community utilize shared bicycles with an average distance of 1.6 km per trip, which is equivalent to reduction of carbon dioxide production by 176 g per trip.



## 7

### From a university to a low-carbon community

Thammasat University has publicized knowledge to external communities to encourage the public to prepare for climate change that may result in changes in seasons and frequent disease outbreaks, requiring a change in lifestyle of every community. Agencies within the University have created projects to help the public be prepared for these plausible changes.

In addition to the electric motorcycles, the University also promotes the use of electric vehicles as shuttle buses in the University and service buses for the staff.

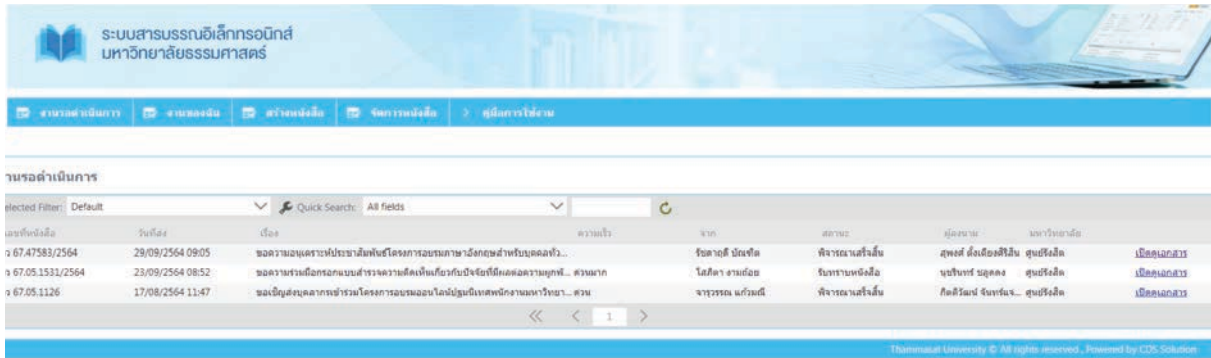


# 8

## Reducing paper use in offices

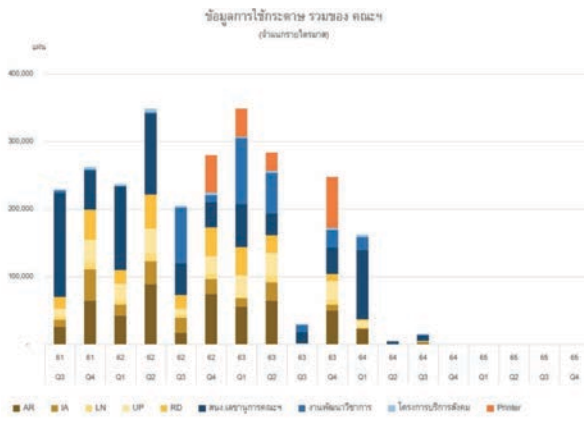
### 8.1 Using electronic document system

The University has developed an electronic document system to reduce the use of paper. The e-document system allows documents to be circulated quickly and easily stored. The reduced use of paper also decrease the storage space for paper.



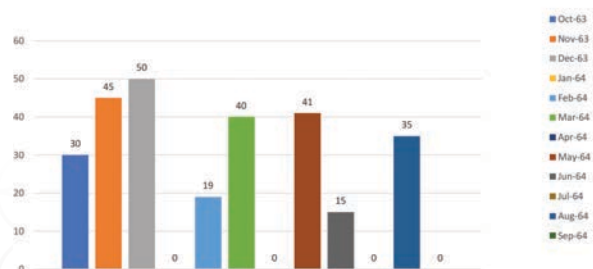
### 8.2 Amount of paper use tracking

Due to COVID-19 pandemic, several agencies in the University allow their personnel to work at home and rely more on online meetings. This indirectly leads to a reduction in paper use. Many agencies have started tracking the use of paper to encourage the personnel to use the resources mindfully and raise their awareness on the value of resources.



Statistical information on paper use of the Faculty of Architecture and Planning

ตารางเปรียบเทียบการเบิกกระดาษ A4 ของสถาบัน ในแต่ละเดือน ประจำงบประมาณ 2564



Comparison of paper withdrawal of the Institute for Continuing Education and Human Resources



## CONSERVE AND SUSTAINABLY USE THE OCEANS, SEAS AND MARINE RESOURCES FOR SUSTAINABLE DEVELOPMENT

Even though most campuses of Thammasat University are not close to the coast, the University still focuses on maintaining and improving water quality in all bodies of water on campus. The quality of water in canals in the University can affect the water in the rivers as well as in the ocean. Campaigns to promote local water quality preservation may also extend public awareness on the large scale. Thammasat University not only manages water quality on campus, but also encourages students, staff, and the public to participate in improving water quality in rivers and ocean.

### 1

## Water quality management in canals

The University periodically checks water quality in the canals around the University to meet the water quality standards in Type 5 surface water sources according to the criteria of The Pollution Control Department. Water samples are taken from various areas within the University, such as water sources near student dormitories, education buildings, sports centers, and food centers.

The University values water quality management within the University because water bodies in the University are considered as a part of the lower Chao Phraya River area that will eventually flow into the Gulf of Thailand.



## 2

### Kayaking to collect garbage from canals to the sea

The University focuses on the management of water bodies outside the University in the lower Chao Phraya River area. Kayaking to collect garbage: from canals to the sea is an activity that has attracted many participants and raised public awareness on reducing littering into canals and rivers.

In addition, Thammasat University has partnered with several external agencies to reduce littering into rivers, for example:

- Partnership with Thai Beverage Industry Association in organizing a meeting between beverage entrepreneurs to create campaigns against discarding beverage packaging into the rivers
- The campaign and guideline in solving the environmental issues due to Loy Krathong traditions. Thammasat University together with Ministry of Natural Resources and Environment and Bangkok Metropolitan Administrator organized a seminar on “How to Loy Krathong to ask the river for forgiveness without hurting the river?” and Loy Krathong events in Thammasat University that focuses on using Krathongs that are made from natural materials.



## 3

### Kayaking for Chao Phraya: Stop littering and plastic pollution

Thammasat University, together with partners in both public and private sectors (Ministry of Natural Resources and Environment, Ministry of Interior, The Pollution Control Department, Department of Environmental Quality Promotion, Marine Department, Royal Irrigation Department, Department of Disaster Prevention and Mitigation, Naval Civil Affairs Department, Mahidol University, National Institute of Development Administration-NIDA, Bangkok Metropolitan Administration, Big Trees Group, and provincial civil society organizations) has organized Kayaking for Chao Phraya: Stop littering and plastic pollution - 10 days 10 provinces on October 1 - 10, 2019. Participants included professional kayakers, both Thai and foreign, faculty members and students from Thammasat University, as well as interested citizens. [ to campaign and create awareness among Thais value of the Chao Phraya river, do not throw garbage into the river, including creating awareness of the use of plastic can, ] The activity covered the total distance of 350 km and the total amount of collected garbage was 3,215 kg. Common garbages found in the river were foam packing, food containers, beverage bottles, tires, mattresses, and large garbage bags. Among all collected garbage from Chao Phraya River, there were more than 100 kg of toxic wastes, such as paint cans, chemical containers, and pesticides cans, and the locations with most garbages are riverbanks, temple areas, and waterfront communities.

## 4

### Mangrove planting and coastal community trip for international students in Samu Songkhram

Office of International Affairs of Thammasat University has organized an activity for international students to learn and participate in mangrove planting to raise their awareness on the importance of mangrove forests and ongoing efforts to conserve and restore mangrove forests, seaside ecosystems, and coastal communities in Thailand. The activities are divided into 3 phases: knowledge about mangrove forest and wetlands conservation and restoration methods, boat trip to visit a fishing village and mangrove planting, and water activities such as kayaking to observe coastal community lifestyle. The event was held on February 22, 2020 in Samut Songkhram.





## PROTECT, RESTORE AND PROMOTE SUSTAINABLE USE OF TERRESTRIAL ECOSYSTEMS, SUSTAINABLY MANAGE FORESTS, COMBAT DESERTIFICATION, AND HALT AND REVERSE LAND DEGRADATION AND HALT BIODIVERSITY LOSS

The campuses of Thammasat University, especially Rangsit Campus, are full of large trees. Thammasat University has issued rules on large tree care which requires preservation all large trees by moving them to suitable places during campus development and giving them proper after-care. Efforts are also made in preserving other perennial trees on campus by training arborists and tree-plotter who can jointly care for the trees. Properly managed trees and wetlands can serve as habitats and food sources for local species and attract more animals and plants to increase the biological diversity on campuses.



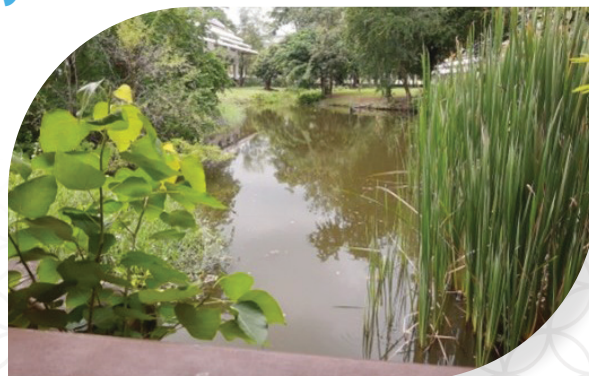
### Basic arborist training to care for trees within the University

The University pays great attention to the care of perennial trees by organizing training courses on tree trimming and tree care during transplant in order to beautify the landscape and prolong the lives of perennial trees. Besides, the information of the trees within the University is collected to determine the proportion of green spaces and shaded areas in the University.



### Wetlands within the University

Thammasat University area has many canals and wetlands that are small ecosystems within the University. These create small communities of organisms that serve as food sources for various species of birds and habitats for a variety of aquatic animals and aquatic plants that support the ecosystems and help in creating balance in the environment within Thammasat University.



3

# Urban Tree Management for Sustainable Campus

## การจัดการต้นไม้เมือง เพื่อการพัฒนามหาวิทยาลัยอย่างยั่งยืน Urban Trees Management for Sustainable Campus

**ความสำคัญของต้นไม้ใหญ่**

ต้นไม้ใหญ่ มีส่วนช่วยในการดูดซับคาร์บอนไดออกไซด์ และปล่อยออกซิเจน ช่วยลดอุณหภูมิของเมือง และช่วยในการกรองฝุ่นละออง นอกจากนี้ ต้นไม้ใหญ่ยังช่วยในการลดเสียงรบกวน และช่วยในการประหยัดพลังงานในอาคาร

**PAST | อดีตของต้นไม้ใหญ่ในธรรมศาสตร์**

มหาวิทยาลัยธรรมศาสตร์ เป็นมหาวิทยาลัยที่มีต้นไม้ใหญ่จำนวนมาก และมีการจัดการต้นไม้ใหญ่อย่างยั่งยืน

**ACTIONS | ปฏิบัติการจัดการต้นไม้ใหญ่อย่างยั่งยืน**

- ปี 2557 มหาวิทยาลัยธรรมศาสตร์ ได้ริเริ่มโครงการ Green Campus เพื่อส่งเสริมให้มหาวิทยาลัยเป็นมหาวิทยาลัยที่เป็นมิตรกับสิ่งแวดล้อม
- มหาวิทยาลัยธรรมศาสตร์ ได้ริเริ่มโครงการปลูกต้นไม้ใหญ่ และโครงการอนุรักษ์ต้นไม้ใหญ่
- ปี 2558 มหาวิทยาลัยธรรมศาสตร์ ได้ริเริ่มโครงการ "ปลูกต้นไม้ใหญ่" เพื่อส่งเสริมให้มหาวิทยาลัยเป็นมหาวิทยาลัยที่เป็นมิตรกับสิ่งแวดล้อม
- มหาวิทยาลัยธรรมศาสตร์ ได้ริเริ่มโครงการ "ปลูกต้นไม้ใหญ่" เพื่อส่งเสริมให้มหาวิทยาลัยเป็นมหาวิทยาลัยที่เป็นมิตรกับสิ่งแวดล้อม
- มหาวิทยาลัยธรรมศาสตร์ ได้ริเริ่มโครงการ "ปลูกต้นไม้ใหญ่" เพื่อส่งเสริมให้มหาวิทยาลัยเป็นมหาวิทยาลัยที่เป็นมิตรกับสิ่งแวดล้อม
- มหาวิทยาลัยธรรมศาสตร์ ได้ริเริ่มโครงการ "ปลูกต้นไม้ใหญ่" เพื่อส่งเสริมให้มหาวิทยาลัยเป็นมหาวิทยาลัยที่เป็นมิตรกับสิ่งแวดล้อม

**FUTURE | อนาคตของต้นไม้ใหญ่**

มหาวิทยาลัยธรรมศาสตร์ จะยังคงมุ่งมั่นในการจัดการต้นไม้ใหญ่อย่างยั่งยืน และส่งเสริมให้มหาวิทยาลัยเป็นมหาวิทยาลัยที่เป็นมิตรกับสิ่งแวดล้อม

**Arbunns | Arborists**

ผู้ที่มีความรู้และประสบการณ์ในการดูแลต้นไม้ใหญ่ และมีความสามารถในการแก้ไขปัญหาเกี่ยวกับต้นไม้ใหญ่

**Together we can change!**

มาร่วมกันดูแลต้นไม้ใหญ่ของเรา

**Do-Charoek**

โครงการอนุรักษ์ต้นไม้ใหญ่

1. ปลูกต้นไม้ใหญ่
2. ปลูกต้นไม้ใหญ่
3. ปลูกต้นไม้ใหญ่
4. ปลูกต้นไม้ใหญ่
5. ปลูกต้นไม้ใหญ่
6. ปลูกต้นไม้ใหญ่
7. ปลูกต้นไม้ใหญ่
8. ปลูกต้นไม้ใหญ่
9. ปลูกต้นไม้ใหญ่
10. ปลูกต้นไม้ใหญ่

4

# Spaces of biological diversity

When traveling around Thammasat University, one can observe various species on land, in water and in the air. In the abundant water sources, both aquatic plants and aquatic animals are food sources for amphibians and birds, creating a small food web within the University.

Trees that are properly managed in terms of variety and health to prolong their lifespans can also serve as a food source for animals and attract a variety of animals from the areas surrounding the University.



# 5

## Tree plotter project

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 the area of Thammasat University, Rangsit Campus.



On 21 March 2021, training course on care and assessment of trees at risk of damage was organized for both Thai and foreign students with supports from University staff with expertise and representatives from Big Trees Foundation in educating the participants.

Trees within Thammasat University Rangsit Campus has an average trunk diameter of 16.93 cm (measured at the height of 120 cm), an average height of 10.17 m, and an average bush width of 6.8 meters. These trees yield the air pollution treatment capacity of 1937.18 lbs per year and the carbon storage capacity of 291,457.60 lbs per year. (Calculations are referenced from i-Tree database of the United States Forest Service.)













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

1

## Elected Representation

Thammasat University has elected representation from multiple stakeholders on the university’s highest governing body.

The university highest governing body is the Thammasat University Council. The Council members consist of eight components, as presented in the university website):

-  The president of the university council
-  One director of institute or department.
-  A vice rector
-  Two elected lecturers with at least 5-year experience.
-  Two deans or directors of faculties or colleges.
-  One elected staff (non-faculty) with at least 10-year experience.
-  The university rector, the president of Thammasat Association Under the King’s Patronage (Alumni), president of the faculty council, and the present of the staff (non-faculty) council.
-  15 external experts.

Please see the existing members of Thammasat University Council here. <https://tu.ac.th/board#content-1>  
Accordingly, Thammasat University Council has elected representation from faculty, staff (non-faculty) as well as alumni.

## 2

# Student's Union



Thammasat University recognizes the roles of student union since 1979. Thammasat University Student Union (TUSU) is a committee of elected student representative who governs all student bodies and allocates budget for clubs and independent groups for organizing extracurricular activities. The Student Union also works with faculty-level student committees to discuss and find solutions to student-related affairs before voices their conclusion to the university executives. TUSU is also known to be socially and politically engaging and be a leader mobilizing university students and on some occasion the public in democratic demonstrations.

Thammasat University Student Council (TUSC) was established at the same time as TUSU. TUSC is another elected representative body of student community, functions as a legislative body. Rules regarding student activities are drafted and approved by the student councils. They are also student representatives when interacting with the university executives.

TUSC's roles also include the check-and-balance function for the Student Union. The Council has the authority to monitor the union's decisions, policies, and activities. It also plays a role to approve the budget allocation for student activities.

The regulation regarding student activities, The Student Union, and the Student Council was revised in 2020 to officially recognize the student unions in different campuses of Thammasat University. Now Thammasat University has three main campuses, namely, Thaprachan, Rangsit, and Lampang. Each campus has its own elected student unions and student council, taking care of their campus's student-related affairs. They also work together on the university-level matters. The revised regulation can be found on the university's website.

### 3

## Identify and engage with local stakeholders.

### 1. Identifying and Engaging with Local Stakeholder through Service Learning

Since 2012, Thammasat University has promoted “Service Learning” which is a learning process that aims at cultivating three types of learning namely, academic, practical and active citizenship. Service Learning is usually problem-based and student-centered with a lecturer as a learning facilitator and advisor. Every semester, Thammasat University organized an award-giving event that recognizes service-learning initiatives from all faculties, organized by Student Affairs Department.



In 2014, the university started to provide small grants to courses that would like to apply “service learning” to their learning process. The grant can be requested for a course (10000 – 40000 baht per course), or a project within the course (2000-4000 baht per project). The university also has a guideline about the targeted areas for the projects, which are usually nearby the campuses.

In 2019, the university granted a larger sum of financial resources to courses that would like to apply service learning in the learning process. The grant was divided into three categories, namely, Small (S), Medium (M), and Large (L) and each category gets the grant at the maximum of 100,000, 200,000 and 300,000 respectively. These courses will also automatically be a candidate for the award-giving event mentioned above. The criteria for awarding the best project include efficiency and sustainability of the project, participation of the community, participation of external partners, and presentation performance.



## 2. Thammasat University participates in the Integrity and Transparency Assessment: ITA

Thammasat University engages local stakeholders in monitoring university good governance through an assessment scheme called “Integrity and Transparency Assessment or ITA.

The ITA is an assessment scheme initiated by the Office of the National Anti-Corruption Commission (NACC) and used for assessing government agencies the level of integrity and transparency. ITA is comparable to its global counterpart, Corruption Perception Index: CPI’. Thammasat University has participated the ITA since 2016 as a university policy. The rector delegated the responsibility for participating in this assessment to the Vice Rector on Administration and Human Resources.

There are three parts in the assessment.

First, Internal Integrity and Transparency Assessment (IIT), accounted for 30% of the total score, surveys opinions of 400 managers and executives of units inside the university on (1) performance and operation (2) budget and expense (3) the use of power (4) the use of government property (5) how the university dealing with corruption problems.

Second, External Integrity and Transparency Assessment (EIT), accounted for 30% of the total score, surveys opinions of external stakeholders, university customers, students, and partners of contracts on (6) quality of operation (7) communication efficiency (8) operation improvement.

The first two parts were surveyed through online surveys.

Third, Open Data Integrity and Transparency Assessment (OIT), accounted for 40% of the total score, focuses on whether the evidence in the assessment is public. There are two main indicators namely, (9) data disclosure and (10) prevention of corruption.

In 2020, Thammasat University was assessed with A grade, 92.08 out of 100 points. In 2021, the assessment period was from February until August 2021. There are 8,393 government agencies all over Thailand participated in the ITA.

## 4

### Participatory bodies for stakeholder engagement

The rector of Thammasat University, Associate Professor Gesinee Witoonchart, signed MOU on August 27, 2021, with Patumthani Province and National Science and Technology Development Agency (NSTDA) to develop a pilot smart city in Klong Luang District before expanding to other districts. The main objective of this cooperation is to apply advance technology and smart innovation to increase efficiency of provincial administration based on Smart City Approach and Sustainable Development Goals (SDGs).

This 5-year MOU established a “Joint-committee on smart city” between Thammasat University, NSTDA and Pathumthani Province, functioning as a body to provide policies and action plans, monitoring actions, and disseminate knowledge and technology to community to support bottom-up development that would lead to sustainability.

The Master plan for the Smart City initiative will focus on 7 pillars including Smart-



environment, Smart Governance, Smart Mobility, Smart Energy, Smart Economy, Smart Living, and Smart People. These pillars will enhance several priorities of Pathum Thani provincial office, such as providing public service, human and environmental development, solving existing problems, and enforcing the law. Moreover, since Klong Luang district has a large number of population, this Smart City initiative will help the province to answer the need of the people more efficiently and develop their quality of life.

## 5

### University principles on corruption and bribery

Since December 2018, Thammasat University officially announced the university announcement on “Practices for giving and receiving gifts” to ensure transparency and good governance.

Essentially, the university (especially university and faculty executives and staff) must not receive gifts or anything convertible to financial value from partner of contract, companies, or any individuals who may have direct or indirect interest with the university, especially in contract signing or continuation, contract inspection, or any other kind of interest. The university, instead, encourages giving “blessing”.

In terms of giving gifts, the university clearly states that it is not necessary to produce



or acquire any gifts to give to other departments or faculties. Giving gifts in special occasions such as New Year could have an exception when the gifts are the faculty’s souvenirs or when there is a special reason to support sustainable development or community products.

## 6

### Academic Freedom Policy

Under the rule of NCPO since 2014 and its continuing elected government in the name of Palung Pracharat Party, academic freedom has never been more difficult. However, Thammasat University has tried its best to provide a safe space for freedom of speech. Academic freedom is one of the main principles of Thammasat University from the start: "...A university is, figuratively, an oasis that quenches the thirst of those who are in pursuit of knowledge. The opportunity to acquire higher education rightly belongs to every citizen under the principle of freedom of education...Now that our country is governed by a democratic constitution, it is particularly essential to establish a university which will allow the people, and hence the public, to develop to their utmost capability. It will open up an opportunity for ordinary citizens to conveniently and freely acquire higher education for their own benefits and for development of our country..." Dr. Pridi Banomyong

Therefore, academic freedom in education is at the heart of Thammasat University.

of speech. One important example in recent years was the rallies for political reform from July to August 2020, in which several rallies were organized almost daily at universities and schools including at Thammasat University both Tha Prachan and Rangsit campuses. On August 10, 2020, a political rally of 4000 people organized at Thammasat University Rangsit campus demanded for royal reform. The royal reform was and still is a very sensitive issue in Thai politics. This was a real test for Thammasat University on Academic Freedom principle, which includes freedom

of speech. As the news reported, "After an emergency meeting called by the Thammasat University council shortly after the 10 August rally, the university issued a statement affirming the constitutional monarchy system while supporting the rights of students to freedom of expression under law and the Constitution."

The decision of the Thammasat University Council, the highest governing body of the university, reaffirms Thammasat University's principle supporting academic freedom and freedom of speech.

## 7

### Publish Financial Data

Thammasat University publishes its financial data publicly every year in its annual report (<https://tu.ac.th/annual-report>) and in a separate annual financial report.

The annual report consists of two major parts, namely, Thammasat Memoir (an overview of the university, basic information, and qualitative information), and Performance Report (performance reports of offices, departments and faculties). The university's financial data is published in the basic information report.

The latest financial data is of the 2021 budget year (October 1, 2020 – February 28, 2021). The main financial sources of the university are the government's allocated budget and the university's income. From the total budget of 17,496.75 million baht, the government's allocated budget and the university's income were accounted for 27.7% and 72.3% respectively.

แหล่งงบประมาณ	หมวดรายจ่าย	งบดำเนินการ	ร้อยละ	งบลงทุน	ร้อยละ	รวม	ร้อยละ
งบประมาณแผ่นดิน		3,191.35	65.9	1,654.52	34.1	4,845.87	100
งบประมาณรายจ่ายจากรายได้ มร.*		11,600.80	91.7	1,050.07	8.3	12,650.88	100
<b>รวม</b>		<b>14,792.15</b>	<b>84.5</b>	<b>2,704.59</b>	<b>15.5</b>	<b>17,496.75</b>	<b>100</b>

## 8

### Provide expert advice to government

Professors and Lecturers in almost faculties and colleges of Thammasat University have been providing expert advice to government at all levels (National, Regional/Provincial, Local) in almost all 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.

#### At the 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.

Associate Professor Bundit Limmeechokchai (PhD.) from Sirindhorn International Institute of Technology (SIIT), was appointed as a member of working group on the integration of plan and policies on climate change mitigation, under the National Climate Change Committee since March 2019.

Associate Professor Bundit Limmeechokchai along with Associate Professor Chayan Tantivasadakarn from Faculty of Economics were also appointed as experts in climate change mitigation and in economics respectively by the National Climate Change Policy Committee since December 2017.

#### At the local level:

Thammasat University is granted a research funding for "University to Tambon (Sub-District)" project, which is a nation-wide scheme research grant encouraging universities to work with local stakeholders to achieve integrated social and economic development at sub-district (Tambon) level

Thammasat University has been working with Bang Krabue sub-district, Sam Khoke district, Pathum Thani province. One of the projects the university initiated was An Early

#### At the 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.

Warning Survey of the Emerging Infectious Diseases, amid the COVID-19 pandemic. The survey was conducted in order to understand the magnitude of the COVID-19 infection and its socio-economic impacts, so that the local health system can plan more effectively how to stop the spread of COVID-19, to manage the local health facilities, resources and health staff, and to formulate evidence-based policy recommendations to the local authorities.



## Policy- and lawmakers outreach and education

Thammasat University has been providing outreach, general education, upskilling and capacity-building to policy and lawmakers on several topics which will contribute to the implementation and achievement of Sustainable Development Goals and Paris Accord.

The general education, upskilling, and capacity building activities that have been organized in 2019 and 2020 were mainly focused on economics and climate change. The followings are samples of capacity building activities in which our academic staff were involved.

### On Economics

Asst.Prof. Nattapong Pattanapong (PhD.) gave a lecture on “Analysis of Inequality in Thailand using Satellite and Geographical Information System for the implementation of the National Strategies and National Reform Plans” on October 10, 2019, for the officers of The Office of National Social and Economic Development Council (NESDC)

Asst.Prof. Nattapong Pattanapong (PhD.) was an instructor in a workshop on the topic of “Innovation in Analysing Big Data Using Machine Learning (Innovative Data Analytics for Granular Estimation of Population and Poverty Indicators)”, on October 28, 2019, for the officers of the National Statistical Office (NSO).

Asst.Prof. Chayanee Chawanote (PhD.) was an instructor in a workshop on November 13, 2019, for the officers and researchers at the Fiscal Policy Research Institute Foundation, a think tank for Ministry of Finance. The topics are “Development Economics” and “In-depth Analysis for the monitoring of the 10th Strategy: International Development Cooperation, under the the 12th National Economic and Social Development Plan”.

Asst.Prof. Nessara Sukpanich (PhD.) was an instructor in a workshop on November 13, 2019, for the officers and researchers at the Fiscal Policy Research Institute Foundation, a think tank for Ministry of Finance. The topics are “International Supply Chain Analysis” and “In-depth Analysis for the monitoring of the 10th Strategy: International Development Cooperation, under the the 12th National Economic and Social Development Plan”.

Assoc.Prof. Chanin Minphokee (PhD.) gave a lecture on the topic “Regional Economic Integration”, in the Training Programme for the Professional-Level State Lawmaker, the 26th Cohort, on December 18, 2019, for the lawmakers at the Office of the Council of State.

Dr.Supruet Thavornytikarn was a lecturer on the topic “Principle of Economics and Competition Law”, on December 18, 2019, for the Office of Trade Competition Commission.

## On Labor and Migration

Asst.Prof. Supachai Srisuchart (PhD.) gave a lecture on the topic “Indicator Development and the Utilization of the Labor Situation Index” in the First Workshop for Reviewing the indicators of the Labor Situation Index, on February 12, 2020, for the officers at Ministry of Labor.

Assoc.Prof. Kiriya Kulkolkarn (PhD.) gave a lecture on the topic “Human Resource 4.0 and International Labor Mobility and Migration”, on March 23, 2020, for the officers at the Department of Trade Negotiations.



## Participation in government research

From March to June 2020, SDG Move undertook policy-focused research for Thailand Science Research and Innovation (TSRI), an organization under the Ministry of Higher Education, Science, Research and Innovation. It was the analysis of data and the design of future scenarios to support the science research and innovation plan. TSRI wants this development plan to be the catalyst of change that would steer Thailand to progress more sustainably and inclusively along the line of the United Nations’ Sustainable Development Goals (SDGs).

The research was conducted at two levels, namely national and regional level. Foresight (i.e. Horizon Scanning and Delphi) was used as the research methodology. Data collection was conducted online due to the COVID-19 pandemic.

At the national level, the SDG Move research team did the horizon scanning by reviewing secondary data related to all SDGs from national and international data source, as well as scanning social signals appearing in social medias and news. Then 60 experts were selected and asked to do adapted Delphi surveys. The surveys were conducted two rounds. The first round was to verify the critical sustainability issues found from the Horizon Scanning. The second round was to prioritize the issues, using two main criteria namely the level of importance and the level of policy readiness.

Moreover, SDG Move also worked with 6 regional teams, using the same methodology, to obtain each region’s crucial sustainability challenges, as well as to assess knowledge stock and gap for these challenges. The findings were used as inputs for TSRI strategic plan for budget year 2021.

## Climate Change

Assoc.Prof. Bundit Limmeechokchai gave a lecture on the topics of “Principle and scope of Greenhouse Gas Account, according to the Framework of Paris Rulebook for energy sector”, and “the Sectoral data collection and assessment of Greenhouse Gas for Energy Sector, with calculation practice”, in a workshop on “The data collection and quality control for the creation of the energy sector Greenhouse Gas account”, on April 1-2, 2021, organized by the Office of Natural Resource and Environmental Policy and Planning (ONEP), Ministry of Natural Resource and Environment and partner organizations, namely, GIZ and Thailand Greenhouse Gas Management Organization (Public Organization).



## Neutral platform for discuss issues

Thammasat University provides a neutral platform and 'safe' space for different political stakeholders to come together to frankly discuss challenges. Due to the imbalance of power in Thai politics stemming from the coup in 2014 and the existing establishment, a safe space to voice different political is needed more than ever.

Faculty of Political Science, Thammasat University is the forefront of the attempt to provide a safe and neutral platform for these voices. The following activities are the important examples that Thammasat University is providing this kind of platform.

First, the "Constitution Dialogue: New Constitution, New Consensus" was a public seminar and a research project that aims to create a platform for the public to deliberate about the reform of the constitution for the future of Thailand. This activity was a cooperation between Direk Jayanama Research Center of the Faculty of Political Science, Thammasat University, and partners, including Faculty of Political Science, Chulalongkorn University, Faculty of Law, Chiang Mai University, and The101.World. The project was launched on December 21, 2020

The Constitution Dialogue project focused on 8 sensitive political issues, namely, (1) New political structure: redesigning power relations between the Monarchy, the Executive Branch, the Legislative Branch, the Judi-

cial Branch, and the people; (2) Election system: House of Representatives, the Senate, and political parties; (3) People Politics: Rights, Freedom and People Participation; (4) Constitutional Court; (5) Independent Organizations; (6) Decentralization; (7) the reform of Judicial system; (8) the State, Public Policy, the National Strategies and the National Reform.

Since the launch, the project has organized a series of seminars and article. There has been 8 seminars so far.

Second, The Democratic Citizens and Civic Engagement of the Youth was organized on November 14, 2020, by Faculty of Political Science, Thammasat University. This was a full day event, discussing several issues including Civic Education in Thailand, Ecology for Civic Learning, and Civic Engagement of Youth in the Digital Age. Each session was participated by academia, youth leaders, civil society organizations, as well as politicians.

The youth political movement has been a crucial democratic movement in Thailand in the past two years. The government was trying various ways to suppress and intimidate the movement, without providing a safe space for youth to voice what they really want and properly responded. Therefore, this event was one among a few events that opened a neutral and safe platform for youth to voice what their political opinions.





## The mission and role of TU Law Centre, Faculty of Law, Thammasat University related to justice between 2018-2021

The main goals of TU Law Centre are to disseminate the knowledge and help people in legal matters; to train students on legal practice skills and morality of legal profession; to instill in the students the obligations to create justice in the society; and to research on legal problems in the society. mission and the role of administrative officers. The mission and role of TU Law Centre related to justice between 2018-2021.





17 PARTNERSHIPS FOR THE GOALS



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



### Relationships with regional NGOs and government for SDG Policy

#### 1.1 Thammasat University as a host of national chapter to a global academic network (UNSDSN) informing SDG Policy to the government

Thammasat University, by SDG Research and Support Programme (SDG Move), Faculty of Economics, Thammasat University is now a co-host institution of Sustainable Development Solutions Network (SDSN) Thailand, along with Chulalongkorn University and National Science and Technology Development Agency (NSTDA).

In 2021, SDSN Thailand, led by the SDG Move, had published, and written series of in-depth analysis on SDG status in Thailand to inform the national SDG policy. The content was published through 8 media outlets to the public. The content was also presented to the Office of Natural Resource and Environment Policy and Planning (ONEP)'s annual conference on July 12, 2021



SDSN is a global academic network, established in 2012 by Professor Jeffrey Sachs of the Earth Institute, Columbia University. SDSN mobilises experts from different disciplines and background in order to find solutions for sustainability challenges and achieve the Sustainable Development Goals. At the moment, its members cover over 800 organisations in 35 countries.

SDSN Thailand was established in March 2020, with support from over 20 organisations including Ministry of Foreign Affairs, European Union in Thailand, as well as Embassy of Switzerland. Co-host institutions consists of Faculty of Economics, Thammasat University; Center for Peace and Conflict Studies, Chulalongkorn University; Technology and Informatics Institute for Sustainability under National Science and Technology Development Agency (NSTDA). SDSN Thailand has four objectives

- 1 Shaping Multi-Stakeholder Dialogue
- 2 Nurture thematic networks
- 3 Advise decision-makers and Monitoring Progress
- 4 Strengthening Sustainability Research and Education

**1.2 The SDG-Foresight project 2021: Engaging multiple stakeholders at regional level to inform SDG-based Science Research and Innovation Policy**

From March to June 2021, SDG Move undertook multi-stakeholder, policy-focused research for Thailand Science Research and Innovation (TSRI), an organization under the Ministry of Higher Education, Science, Research and Innovation. It was the analysis of data and the design of future scenarios to support the science research and innovation plan. TSRI wants this development plan to be the catalyst of change that would steer Thailand to progress more sustainably and inclusively along the line of the United Nations' Sustainable Development Goals (SDGs).

The research in 2021 was conducted at two levels, namely regional level and provincial cluster level. For the regional level, SDG Move also worked with 6 regional teams from 8 regional universities. Foresight (i.e. Horizon Scanning and Delphi) was used as the research methodology. Data collection was conducted online due to the COVID-19 pandemic. Moreover, six regional foresight workshops were organized, engaging more than 200 stakeholders all over Thailand. At the provincial cluster level, the 6 regional teams took a deep-dive into the provincial clusters (sub-unit of the wregional level), to find the provincial-cluster specific needs and priorities.

As the project was based on multi-stakeholder participatory approach, more than 1000



respondents and participants engaged in the Delphi and the workshops process. State actors were accounted for approximately 50% of the respondents and participants. Non-governmental organizations, Civil Society Organizations, and Community-based organizations were accounted for approximately 27% of the respondents and participants. This project is the continuation of the SDG Foresight project organized in 2020.

## Cross sectoral dialogue about SDGs

### 2.1 Cross sectoral dialogue about SDGs and COVID-19 in The 43rd Annual Symposium of Faculty of Economics: Next Steps for Thailand Sustainability

Faculty of Economics, Thammasat University organized its 43rd Annual Symposium on June 17, 2021, under the theme of “Next Steps for Thailand Sustainability”, which focuses on 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 organizations were engaged in a series of dialogue throughout the event.

The four presentations in this symposium were based on research conducted by four main research clusters of the faculty, namely, PRO-Green, ICRC, HIDE, and CRISP. In each session, scholars from other academic institutes and government agency, namely Institute for Trade and Development (ITD), Population and Society Research Institute, Mahidol University, Faculty of Economics Chulalongkorn University, and Office of Natural Resource and Environmental Policy and Planning (ONEP), participated as discussants.



In the last session, a dialogue on the topic of Next Steps for Thailand Sustainability was participated by a representative from the Office of National Economic and Social Development Council (NESDC), a development economist from United Nations Development Programme (UNDP), and the director of Centre for SDG Research and Support (SDG Move), Faculty of Economics Thammasat University.

### 2.2 Cross sectoral dialogue on roles of youth in political movements on SDG-related topics at Thammasat Sustainability Festival and Open House 2020

On November 26-28, 2020, Thammasat University organized the Thammasat Sustainability Festival and Open House 2020. In this event, a cross-sectoral dialogue on “Politics of the new generation: Change the country by ourselves”, which is directly related to SDG 16 and youth participation, was organized and participated by a diverse group of panelists including a leader of Advance Constitution Group and a former political candidate from Democrat Party, Miss Grand Thailand 2020, and Thammasat and Demonstration Club. The discussion was based on the change of political landscape in all countries in which



youth plays more roles in politics; political participation and government’s oppression; human rights, free speech and forced disappearance; and poverty, inequality, and digital divide.

## 2.3 Cross sectoral dialogue on Human Development and SDGs in Anthropocene at Thammasat University in the launch of the 2020 Human Development Report “The Next Frontier: Human Development and the Anthropocene”

School of Global Studies, Thammasat University, the United Nations Development Programme (UNDP), and other related organizations launched the 2020 Human Development Report “The Next Frontier: Human Development and the Anthropocene” at Sri Burapa Auditorium, Thammasat University, Tha Prachan Campus. Assoc.Prof. Gasinee Witoonchart, Rector of Thammasat University, and representatives from the private and public sector, academic institutions, and private organizations attended the event.

Ms. Lovita Ramguttee, Deputy Country Director of UNDP, presented the main points from the 2020 Human Development Report “The Next Frontier: Human Development and the Anthropocene”.



The exchange of opinion and discourse concerning different issues in the report was led by Mr. Renaud Meyer, Resident Representative for UNDP Thailand. Asst.Prof.Dr. Prapaporn Tivayanond, Dean of School of Global Studies, Thammasat University, was present in the discourse. There was on-site and online panel on “The Next Frontier: Human Development and the Anthropocene”(featuring Mr. Weerasak Kowsurat, Deputy Chair, Senate’s Standing Committee on Natural Resources and Environment, Dean of School of Global Studies, President, Thailand Environment Institute and executive from PTT Global Chemical Public Company Limited). Participants included representatives from Embassies, International organizations, Thammasat executives and students.

The discourse explored various issues, including the biodiversity impact of human action in the Anthropocene, how humans played an important role in climate change, and environmental recovery during the COVID-19 outbreak in the context of Thailand. There was also an exchange of ideas between the public, private, and academic sectors.

## 2.4 Cross sectoral dialogue on Law and Justice by Faculty of Law, Thammasat University

TU Law Centre organizes academic discussions and seminars with lecturers who are experts from various fields from government organizations, private sectors, independent organizations, and university faculty for them to comment and discuss on controversial issues in society or on law enforcement issues. The aims are to make the participants understand various views on the legal issues that happen in the society and to serve as a guideline on access to justice. Participants who suffer from legal issues related to the discussion topic can ask the lecturer for a general guideline.

Examples of academic discussions organized by TU Law Centre:

August 17, 2019 -- TU Law Centre and Civil Law Centre of the Faculty of Law, Thammasat University organized an academic discussion on the subject "Legal lesson learned from the 2010 accident case on Uttaraphimuk Elevated Tollway" between 09.00-12.00 at the Marut Bunnag court simulation room, Faculty of Law, Thammasat University Tha Prachan Campus.



Other academic seminars/discussions organized by TU Law Centre are as follows:

### In 2018

1. Academic seminar on "Contract Agriculture and the Development of Thai Farmers"
2. Academic discussion on "Contempt of Court: Where is the Midpoint between the Power and the Right?"

### In 2019

1. Academic discussion on "Legal lesson learned from the 2010 accident case on Uttaraphimuk Elevated Tollway"
2. Academic discussion on "Section 6 Criteria for Draft Legislation Preparation Draft Act: Protect the Rights Or Affect the Separation of Powers?"

### In 2020

1. Online discussion on "Alternatives for legal professions in COVID-19 situation"
2. Academic seminar on "Measures against Active Shooters and the Safety of Thai Society"
3. Academic discussion on "Legal Issues of the Government Scholarship Contracts"
4. Academic discussion on "Life Partner Or Spouse: Another Important Milestone of Gender Equality"

### In 2021

1. Academic discussion on "Concession Contracts and the Supervision by the State"
2. Online academic seminar on "Informal Workers' Rights Problem of Food Delivery Riders"
3. Academic seminar on "Movie copyright infringement with spoilers"

## International collaboration data gathering for SDGs

### 3.1 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.

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.

Workshop poster titled "การศึกษาเพื่อการพัฒนาที่ยั่งยืนในประเทศไทย" (Education for Development that is still in Thailand). It features logos for SDSN, Konrad Adenauer Stiftung, and KASpaces. The text includes: "การจัดการศึกษาเพื่อการพัฒนาที่ยั่งยืน" (Management of education for sustainable development), "เพื่อสนับสนุนการบรรลุเป้าหมาย SDGs" (To support the achievement of SDG goals), and "16 กรกฎาคม 2564 เวลา 13.00 - 16.30" (July 16, 2021, 13:00 - 16:30). It lists three topics: 1. การศึกษา การจัดการศึกษา และการเรียนรู้เพื่อการพัฒนาที่ยั่งยืน (Education, management of education, and learning for sustainable development) on July 18, 2. การส่งเสริมและสนับสนุนการจัดการศึกษาเพื่อการพัฒนาที่ยั่งยืนในประเทศไทย (Promoting and supporting education for sustainable development in Thailand) on July 8, and 3. การส่งเสริมและสนับสนุนการจัดการศึกษาเพื่อการพัฒนาที่ยั่งยืนในประเทศไทย (Promoting and supporting education for sustainable development in Thailand) on July 9. It also provides contact information for the Center for SDG Research and Support (SDG Move) and QR codes for registration.

Workshop poster titled "พหุวัฒนธรรมของโลกครั้งที่ 2 การจัดการศึกษาเพื่อการพัฒนาที่ยั่งยืน" (2nd International Conference on Education for Development that is still in Thailand). It features logos for SDG Move, SDSN, Konrad Adenauer Stiftung, and KASpaces. The text includes: "พหุวัฒนธรรมของโลกครั้งที่ 2 การจัดการศึกษาเพื่อการพัฒนาที่ยั่งยืน" (2nd International Conference on Education for Development that is still in Thailand), "18 สิงหาคม 2564 เวลา 09.30-12.00 น." (August 18, 2021, 09:30-12:00). It lists topics: 1. ผู้แทนจากสาขาวิชา วัฒนธรรม องค์กรธุรกิจ และชุมชนท้องถิ่น เพื่อการพัฒนาที่ยั่งยืน (Representatives from various disciplines, culture, business organizations, and local communities for sustainable development) and 2. การส่งเสริมและสนับสนุนการจัดการศึกษาเพื่อการพัฒนาที่ยั่งยืนในประเทศไทย (Promoting and supporting education for sustainable development in Thailand). It also provides contact information for the Center for SDG Research and Support (SDG Move) and QR codes for registration.

Workshop poster titled "การจัดการศึกษาเพื่อการพัฒนาที่ยั่งยืน" (Education for Development that is still in Thailand). It features logos for SDSN, Konrad Adenauer Stiftung, and KASpaces. The text includes: "การจัดการศึกษาเพื่อการพัฒนาที่ยั่งยืน" (Education for Development that is still in Thailand), "เพื่อสนับสนุนการบรรลุเป้าหมาย SDGs" (To support the achievement of SDG goals), and "22 กันยายน 2564 เวลา 09.00 - 12.00 น." (September 22, 2021, 09:00 - 12:00). It lists three topics: 1. การจัดการศึกษาเพื่อการพัฒนาที่ยั่งยืน (Education for Development that is still in Thailand), 2. การจัดการศึกษาเพื่อการพัฒนาที่ยั่งยืน (Education for Development that is still in Thailand), and 3. การจัดการศึกษาเพื่อการพัฒนาที่ยั่งยืน (Education for Development that is still in Thailand). It also provides contact information for the Center for SDG Research and Support (SDG Move) and QR codes for registration.

## 4

# Collaboration with NGOs for SDGs

## 4.1 Thammasat University and International Health Policy Program Foundation (IHPP Foundation) collaborates in SDG research and development of SDG educational resources

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 a development of SDG educational resources, namely, SDG Watch project and SDG port-TH website in 2020 - 2021.

The research collaboration includes the following research topics:

### SDG Stakeholder Action Reports

This is a series of four research reports focusing on studying the status of SDG implementation and enabling environment for youth, volunteering organizations, civil society organizations, and academic organizations, and identifying the gaps and proposing policy recommendations to encourage more multi-stakeholder approach to the SDG implementation.

### SDG implementation and monitoring system

This research aims to develop a system framework to understand components of SDG implementation system and their relationship and use the framework to examine the SDG implementation system in Thailand at national level as well as for stakeholders whose works focus on SDG 3 Good Health and Wellbeing.

The education resources developed by this collaboration include the following projects:

### SDG watch project

This project aims at curating knowledge and information related to SDG situations status and implementation both at national and global levels. It also aims to be a knowledge sharing platform in which scholars from different disciplines whose works are connected to SDG topics write articles and share their ideas. There are three types of content, namely, SDG news, SDG updates, and SDG insights. SDG news is a 500-word article that reports the current situations and news related to SDG topics. SDG updates is a 1500-word article summarizing international and national reports. SDG insight is a 3000-word article written by experts to share their insights in a specific topic. Later this year, SDG watch also created a podcast channel on podcast platforms (such as Youtube, Soundcloud, and Spotify).

### SDG watch project

SDG Port Thailand: This project aims at developing an online education and policy resources related to SDGs. The resources are from both international and national sources. These resources include SDG related books, guidebooks, reports, articles, journals, presentation, infographics, indicators and dashboard, and database of SDG actors.



### 4.2 Thammasat University collaborated with NGOs to tackle SDG issues through the Graduate Volunteer Program

In 2020, Thammasat University, by Puey School of Development Studies (PSDS), collaborated with academic institutions and Non-governmental organizations to organize its 52st batch of Graduate Volunteer Program in 8 sites covering provinces from the North (Lumphun (2 sites), Lumpang, Mae Hong Son, Phichit, Phayao ), the East (Rayong), and the South (Trang). In each area, the student organizes a development project to tackle development challenges in the area. The following table illustrates province, our partner local NGOs, activities, and related SDGs.



The Graduate Volunteer Programme is one-year programme. The students spend 3 months for course work, 7 months for field studies, and 2 months for writing the thesis.

It was established by Prof. Dr. Puey Ungphakorn in the late 1960s. This programme has been adopted by several universities all over Thailand.

### 4.3 Opportunities for Volunteering of Legal Students as Thammasat University cooperates with Clear and Create Foundation for the “Debt Resolution for the Public” project.

TU Law Centre cooperates with the Clear and Create Foundation in establishing the “Debt Resolution for the Public” project which gives legal consultation and advice about debt problems to the general public via online channels or via phone calls.

This project is also a volunteer program for law students to give advice via online channels or via phone calls to help the project participants find a way to lighten or restructure their debt. The volunteer students also have a chance to work with professional lawyers and paralegals.



### Thammasat University’s commitment to meaningful education around the SDGs across the university through General Education Courses

Thammasat University has the commitment of providing meaningful education around SDGs issues for all students across the university through General Education Courses (GE Courses). The GE Courses of Thammasat aim at educating all Thammasat Students to be ready for the 21st Century, and having characteristics of GREATS, i.e. Global mindset, Responsibility, Eloquence, Aesthetic, Team-

leader, and Spirit of Thammasat (democracy, justice and social dedication).

SDGs in general and aspects of Education for Sustainable Development have been embedded in Thammasat GE Courses since the 2013 curriculum and revised again in the 2018 curriculum, each curriculum covers 5-year period (2018-2022).

The followings are the GE courses that provide education on SDGs as well as Education for Sustainable Development.

Course Titles	Its relation to SDGs and Education for Sustainable Development (ESD)
TU100 Civic Engagement	SDG 4.7 and ESD on Global Citizenship Education (all issues)
TU101 Thailand, ASEAN, and the World	SDG 4.7 and ESD on Global Citizenship Education (Cultural diversity and tolerance, Human Rights, Peace and anti-violence)
TU109 Innovation and Entrepreneurial Mindset	SDG 4.4, 8.3
TU103 Life and Sustainability	SDG in general, ESD on GCED and ESD (gender equality, human rights, climate change, environmental sustainability, human survival and wellbeing, Sustainable Consumption and Production.
TU312 Social project and campaign	Production.SDG 4.7
TU143 Man and Environment	SDG 4.7 and ESD (climate change, environmental sustainability, Sustainable Consumption and Production)
AE106 Sustainability of Natural Resources and Energy	SDG 4.7 and ESD (climate change, environmental sustainability, Sustainable Consumption and Production)



## Thammasat University provides specific courses on sustainability

Several faculties and colleges in Thammasat University provide specific courses and programmes on sustainability and SDGs that emphasize and tailor-made to fit the context of their disciplines. These courses and programmes cover wide range of disciplines including social science, science and technology, health sciences, and multidisciplinary sciences.

The followings are examples of programmes on sustainability provided by faculties and colleges.

### Faculty of Science and Technology

- Bachelor of Science Programme in Sustainable Development Technology
- Bachelor of Science Programme in Environmental Science (Natural Resource and Environmental Management)
- Bachelor of Science Programme in Environmental Science (Environmental Science and Technology)
- Master of Science Programme in Sustainable Development Technology

## Faculty of Engineering

- Master of Engineering Programme in Energy and Environmental Technology Management

## Puey School of Development Studies

- Bachelor of Arts Programme in Innovation for Human and Social Development (Multidisciplinary)

## Faculty of Public Health

- Bachelor of Science Programme in Environmental Science (Environmental Health)

## School of Global Studies

- Bachelor of Arts Program in Global Studies and Social Entrepreneurship(International Program)
- Masters of Arts Program in Social Innovation and Sustainability(International Program)
- Doctor of Philosophy in Social Innovation and Sustainability(International Program)

The followings are examples of courses on sustainability provided at faculty level, covering both undergraduate and graduate programmes.

## Faculty of Commerce and Accountancy

### Undergraduate Courses

- AC311 Accounting for Environmental and Social Responsibility
- ER321 Entrepreneurial Skills and Social Entrepreneurship
- IB433 Ethical Issues in Business
- MK411 Sustainability Marketing

### Graduate Courses

- BA604 Sustainability Business Management
- RB798 Sustainable Real Estate Development
- MF767 Corporate Governance and Sustainability

## Faculty of Public Health

### Undergraduate Courses

- PO222 Dynamics of Local Politics
- PO307 Feminist Political Theory
- P311 Social Movements and Political Space
- PO312 Politics and Public Laws
- PO323 Politics of Development
- PO406 Politics of Gender and Sexuality
- PO348 Introduction to Environment Policy and Planning
- PO355 Social Welfare Policy Management
- PO356 Technology, Innovation and Public Management Information System
- PO358 Development Administration in Global Context
- PO363 Local Financial Administration
- PO366 Sustainable Environmental Management
- PO368 Urban Policy and Management
- PO449 Disaster Risk Governance
- PO377 Environment and International Relations
- PO397 The Politics of International Assistance and Development
- PO398 Global Civic Society
- PO399 Human Security

## **Puey School of Development Studies**

### **Undergraduate Courses**

- EC364 Gender Economics
- EC365 Economics of Local Development
- EC366 Thai Rural Studies
- EC375 Applied Natural resource and Environmental Economics
- EC376 Economics of Climate Change
- EC446 Economic Analysis of Corruption
- EC461 Development Microeconomics
- EC462 Development Macroeconomics
- EC463 Globalization and International Development
- EC464 Urban and Regional Economics
- EC465 Sustainable Development
- EC466 Political Economy of Development
- EC471 Labor Economics
- EC472 Economics of Population and Family
- EC473 Education Economics
- EC474 Health Economics
- EC475 Natural Resource Economics
- EC476 Environmental Economics
- EC477 Energy Economics
- EC491 Agricultural Production and Policy
- EC492 Agricultural Marketing and Policy
- EC494 Food Economics and Policy

## **School of Global Studies**

### **Undergraduate Courses**

- GS212 Economics for Social Entrepreneurs
- GS236 Psychology of Global Organizations
- GS231 Introduction to Human Security
- GS232 Globalization Flows
- GS241 Human Centred Design for Social Innovation
- GS244 Corporate Social Responsibility
- GS344 Social Innovation Project
- GS440 Community-based Learning Initiative
- GS237 Cities and Globalization
- GS346 Urban Innovation
- GS348 Policy and Innovation Transfer
- GS263 Sustainable Transformations
- GS264 Design Thinking for Public Social Services
- GS270 Power, Strategy and Social Change
- GS280 Science, Technology and Society
- GS282 Digital Economy and Social Innovation
- GS283 Technology for Developing Countries
- GS284 Designing for Science

### **Graduate Courses**

- GS601 Sustainability and Global Political Economy
- GS603 Approaches to Social Innovation
- GS613 Designing Organization for Impact
- GS621 Seminar on Social Innovation and Sustainability
- GS741 Research Method for Social Innovation and Sustainability
- GS752 Behavioral Economics for Sustainability
- GS762 Seminar on Sustainability Practices
- GS763 Technology for Sustainable Development
- GS811 Advanced Theories in Social Innovation
- GS812 Advance theories in Sustainability

## Faculty of Engineering

### Graduate Courses

- EM613 Waste Heat Recovery
- EM616 Building Energy Management
- EM631 Waste Water Control and Management
- EM632 Hazardous Waste Control and Management
- EM633 Air Pollution Control and Management
- EM634 Environmental Impact Assessment
- EM635 Safety Engineering and Environmental Laws
- EM636 Life Cycle Assessment and Eco-Design
- EM606 Natural Resource Management
- EM617 Clean Fuel Technology and the Environment
- EM618 Co-Energy Consumption in Process
- EM619 Alternative Energy

## Faculty of Public Health

### Undergraduate Courses

- EN351 Environmental Health Toxicology
- EN361 Solid Waste and Excreta Management
- EN363 Water Supply for Community and Industry
- EN382 Wastewater Treatment Technology
- EN383 Air Pollution Management and Control
- EN483 Hazardous Waste Management
- EN451 Environment and Health Impact Assessment
- EN352 Environmental Quality and Impact to Health
- EN362 Water and Wastewater Sampling and Analysis
- EN431 Environmental Health Engineering
- EN461 Food Sanitation and Food Safety
- EN481 Environmental Health Management

## Puey School of Development Studies

### Undergraduate Courses

- PCD201 Organization and Management for Sustainability
- PCD203 Political Economy and Social Development
- PCD205 Introduction to Development Studies
- PCD207 Design Thinking for Development
- PCD211 Contemporary Community Development
- PCD221 Corporate Social Responsibility (CSR)
- PCD231 Introduction to Social Enterprise
- PCD241 Volunteerism for Human and Social Development
- PCD304 Social Innovation for Development
- PCD305 Skills for Social Change
- PCD306 Psychology for Social Development
- PCD311 Management of Community Economy System
- PCD312 Community Development of Contemporary Ethnic Community
- PCD331 Social Marketing
- PCD341 Volunteer Management
- PCD351 Population Dynamics and Development
- PCD352 Urban Economy and Society
- PCD422 Sustainable Report and Management
- PCD423 Good Governance for Sustainability
- PCD454 Issues in Gender and Development

## Education for SDGs in the wider community

### 7.1 TU Law Centre provides basic legal knowledge training (SDG16) for the public and the mobile legal clinic

**Law To U**  
By TU Law Centre

รายการเผยแพร่ความรู้กฎหมาย  
โดยศูนย์นิติศาสตร์ คณะนิติศาสตร์ มธ.  
EP.1 - EP.8 "กฎหมายลักษณะมรดก"

EP.1 "ทรัพย์สินมรดก"  
EP.2 "ทายาทโดยธรรม"  
ศ.ดร.ไพโรจน์ รัตนพิริยะ

EP.3 "การเสียสิทธิในการได้รับมรดก"  
ศ.ดร.มาตาสถิตินันท์ เสงี่ยมราษฎร์

EP.4 "การทำพินัยกรรม"  
EP.5 "แบบของพินัยกรรม"  
พ.ต.ดร.กรรพจน์ เฉลิมวงศ์กลาง

EP.6 "ผู้จัดการมรดก"  
อ.วิมลฉัตร วัฒนศิริ

EP.7 - EP.8 "การตีความพินัยกรรม"  
ศ.ดร.สกลสิทธิ์ ปรสดี

ดำเนินรายการโดย คุณวีรภัทร ชนะสิทธิ์  
นักศึกษาระดับปริญญาตรี 4 คณะนิติศาสตร์ มธ.

ศูนย์นิติศาสตร์ คณะนิติศาสตร์ มหาวิทยาลัยธรรมศาสตร์

TU Law Centre organizes lectures on basic legal knowledge in daily life for people in various areas through cooperations with local governments, schools, temples, and other community centers. The goals are for the people to understand the laws, to be able to handle basic legal issues, and to not be exploited by criminals and for the community leaders to be able to pass on legal knowledge to the residents and settle basic disputes without bringing the case to court. In addition to the lectures, the Centre also organizes mobile legal clinics where lawyers, paralegals, and law students individually give legal counseling and advice.

### 7.2 Thammasat University provide E-Training on Social Science and Civic Duty in Democratic System for High-school teachers

Sanya Dhammasakti Institute for Democracy, Thammasat University organized an E-Training on Social Science and Civic Duty in Democratic System, which is aligned with SDG16, for 153 high-school teachers under COVID-19 pandemic.

Under the COVID-19 Pandemic where learning was migrated online, it was more difficult to conduct civic education and democracy since the learning space is limited to online system. Moreover, teachers and students

could not actively interact with each other. As a result, content and methods for the teaching have to be adapted to substitute the offline learning. Active- and Self-learning play important part in this online learning environment.

This E-training's objective is to provide updated knowledge on democracy and civic duty, and teaching techniques for this topic for the online learning environment.

### 7.3 An online seminar series on “Knowledge Management on COVID-19” by Faculty of Public Health, Thammasat University

Faculty of Public Health, Thammasat University, organized a series of ten online seminar on Knowledge Management on COVID-19, which directly related to SDG3, to the public from April 22 – 30, 2020. The online seminars were free of charge and accessible by wider community of online audience amidst the COVID-19 pandemic.

Panelists in each session were representatives from several sectors of stakeholders from local to national levels, including government health officers, health volunteers, and academia from Thammasat and other universities.

The banner features the following text and elements:

- 16 Year Anniversary** (16th Anniversary of Thammasat University)
- มหาวิทยาลัยธรรมศาสตร์ คณะสาธารณสุขศาสตร์** (Mahavithayalai Thammassat Khammasathasarakulakassat)
- ก้าวสู่ 'สาสข มร.'** (Moving towards 'Public Health MSU')
- ขอเชิญผู้สนใจเข้าร่วมงาน 08-09-64 เวลา 13.00-15.00 น.** (Inviting interested parties to attend on 08-09-64 at 13.00-15.00 hours)
- เสวนาวิชาการออนไลน์** (Online Academic Seminar)
- เนื่องในวาระครบรอบปีที่ 16 คณะสาธารณสุขศาสตร์** (On the 16th anniversary of the Faculty of Public Health)
- หัวข้อเรื่อง "Preparing for the Post Covid-19 Public Health Landscape"** (Topic: "Preparing for the Post Covid-19 Public Health Landscape")
- Panelists:**
  - ศ.นพ.ดร. วีระศักดิ์ ดงวิวัฒน์วงศ์** (Assoc. Prof. Dr. Veerasakdi Dongvitonthong) - Director of the Center for Health Communication and Behavior Change, Faculty of Public Health, Thammasat University
  - พ.อ.นพ.วีระศักดิ์ พงษ์ฤทธิ์** (Assoc. Prof. Dr. Veerasakdi Phongrit) - Director of the Center for Health Communication and Behavior Change, Faculty of Public Health, Thammasat University
  - คุณชนธรรม พิทักษ์ฉานิน** (Ms. Chonnam Pithakchanin) - Director of the Center for Health Communication and Behavior Change, Faculty of Public Health, Thammasat University
  - ดร.พีรพล ชื่นชนะ** (Dr. Phiphol Chuenchanee) - Director of the Center for Health Communication and Behavior Change, Faculty of Public Health, Thammasat University
- Logos:** Zoom, Facebook LIVE, FPH Thammasat

**Editors:**

Associate Professor Pisanu Toochinda, Ph.D.

Associate Professor Choomket Sawangjaroen, Ph.D.

Assistant Professor Nattapon Sang-arun, Ph.D.

Assistant Professor Chol Bunnag

Mrs. Kunnikar Kanatharana

**Advisors:**

Associate Professor Gasinee Witoonchart

Professor Siriwan Suebnukarn, Ph.D.

Assistant Professor Nitinant Wisawesuan, Ph.D.

Assistant Professor Prapaporn Tivayanond Mongkhonvanit, Ph.D.

Dr. Bharat Dahiya

Dr. Victor Karunan

Dr. Shweta Sinha

Mr. Jorge Carillo

**Secretary:**

Mrs. Valailak Kanjanawat

**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](http://www.sdgs.tu.ac.th)