



เรียนรู้เพื่อรับใช้สังคม

# HCU SUSTAINABILITY REPORT 2025

To Pursue Knowledge to Serve Society:  
Sustainable today, better tomorrow



**SDG in Action Seminar**  
**July 23, 2026**  
during the 13<sup>th</sup> HCU International  
Academic Conference



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## TOGETHER FOR THE SUSTAINABLE DEVELOPMENT GOALS



THE GLOBAL GOALS  
For Sustainable Development

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## Executive Summary

Huachiew Chalermprakiet University opened in 1992. The university has just more than 600 employees many of whom have been working with the university from its early days. The university working days are from Monday to Saturday (3,744 hours per year). Aside from maintaining full-teaching operations, the university also strives to have impeccable green credentials through a low energy consumption profile.

From 2012 to the present, the university has engaged in an energy saving program and this has resulted in reduced energy consumption. To achieve the goal of energy efficiency, Huachiew Chalermprakiet University has created a culture of energy saving in all levels of university operations. We have encouraged employees to be personally involved in energy conservation activities. There are team members, who lead the campaign to reduce the carbon footprint. It started with energy conservation training for every staff so they could guide others and apply their know-how and skills in their working routines. We also encourage students to join the campaign by using energy economically, during student activities within the university. Then there are also ongoing outreaches to the community. Activities are conducted to educate students about energy saving as part of our corporate social responsibility program.

For the past years through energy conservation activities (both investment and non-investment), we have reduced energy consumption by around 3,000,000 kWh, which is equal to around 2,000 tons of CO<sub>2</sub> emissions. The reduction of energy consumption gave us a total savings of over 15 million baht with the average ROI of 3.37 per year. As a result of our strong commitment towards promoting a sustainable, greener, and cleaner environment, Huachiew Chalermprakiet University was awarded the Best Energy Saving Building of MEA 2015 by the Metropolitan Electricity Authority (MEA) of Thailand with prize money of 2 million baht. Also, we were honored at the Thailand Energy Awards 2016 and ASEAN Energy Award 2016.

A culture of energy saving was not easy to create but at Huachiew Chalermprakiet University, **WE CAN**. It is our firm belief that our success story is driven by our staff, our students, our lecturers, and the members of the administration who are deeply committed to the university's sustainability programs.

Recently, our sustainability effort has been recognized further, so that in years 2021 and 2022, the university has been awarded again the best practice in Energy Saving Building conducted by MEA, which strongly indicate that our efforts sustainability efforts and projects are indeed sustainable and long-term. Moreover, to show our strong commitment to report our sustainable activities to the world, Huachiew Chalermprakiet University has signed in 2021 the SDG Accord, which is facilitated by the Global Alliance, EAUC (the Alliance for Sustainability Leadership in Education) and HESI (Higher Education Sustainability Initiative) as shown by the image below.



**Figure 1 The SDG Accord**

This means that the university also reports its sustainable practices and activities in the international arena; i.e., we report our activities in collaboration with other institutions all over the world through partnership with SDG Accord (<https://www.sdgaccord.org/>) as shown in Figure 1 above. The annual sustainability reports are published on the Sustainability Exchange website (delivered by EAUC) which can be accessed at <https://www.sustainabilityexchange.ac.uk/home>

In this annual report, Huachiew Chalermprakiet University Sustainability Report 2024 is divided into two main sections. Section 1 discusses the Introduction and Historical Background. This section includes the university’s inspiration in aiming towards a sustainability university, the university’s energy conservation virtue, the organizational structure of our sustainability projects and the awards received. Section 2 reports on the sustainability activities and as well as projects conducted by the Huachiew Chalermprakiet University in the academic year 2024 following the United Nations 17 Sustainable Development Goals.

Huachiew Chalermprakiet University Sustainability Committee  
Samut Prakarn, Thailand

## Section 1 Introduction and Historical Background

### 1.1 The Inspiration

From His Majesty the Bhumibhol Adulyadej's (King Rama IX) words in June 24, 1994,

**“May you manage the university along the path of righteousness”**

we reminded ourselves in thinking, speaking and doing to follow our King's words. We aimed to apply his words in conducting sustainability projects.



**Figure 2** The auspicious opening ceremony by H.M. King Bhumibol Adulyadej

### 1.2 The Strategy

Participation and proper communication to all stakeholders are the heart of success in any sustainability-related tasks at Huachiew Chalermprakiet University. Our achievements in addressing the UN's Sustainable Development Goals (SDGs) originated from the strong commitment, clear policies and strategies developed by the top executives, deans, directors and managers, joined by our staffs, students and other government and non-government organizations, and the eventual communication of these policies and strategies to all people involved. These various parties have driven sustainability policies and activities, and then eventually became Huachiew Chalermprakiet University's sustainability culture.

Thus, to reach our sustainability goals, Huachiew Chalermprakiet University had announced sustainability policies and established organizations to drive these policies and do actions that drive sustainability. These organizations were established from every level of Huachiew's staffs, supported by sufficient funding from the university with continuous evaluation and development. For instance, when we conduct and host sustainability activities participations from every level of Huachiew Chalermprakiet University's people is enjoyed. Some of these projects are the “Bike, Grow, Save” and Research to Innovation (R2I) Projects, Sustainable Community Project, Sustainable Arts and Culture Festival, Sustainable Research, and many more will be shown in Section 2.

The university also endeavors to measure its sustainability practices by joining the Times Higher Education Impact Ranking (THE Impact Ranking) and the UI GreenMetric World University Ranking. The fusion of 17 UN SDGs and the UI GreenMetric is shown in Figure 3.

### **1.3 Employee Development and Educational Training**

At Huachiew Chalermprakiet University, we have continuously educated our people in regarding our sustainability goals. Focusing on every level of our staffs and students, our people had a clear understanding about sustainability policies and activities, which will lead to firm sustainability awareness. To implement, we invited specialists in sustainability from the SUN Thailand and sustainability keynote speakers and consultant in our international conferences to educate and train our people in fulfilling our sustainability goals. We also observed and learned from other successful organizations and brought and applied that knowledge to our organization; some of them can even be applied at our staff's house.

In 2022, the SDG Move Thammasat University invited Huachiew Chalermprakiet University to unite in pursuing the 17 Sustainable Development Goals with 10 higher education institution members. In 2025, Huachiew Chalermprakiet University, together with SUN Thailand and other higher education institutions in Thailand signed a Memorandum of Understanding with the United Nations (Thailand) to express its strong commitment to addressing the Sustainable Development Goals (SDGs).

### **1.4 Smooth Transition of Administration**

Since the beginning of the university's shift towards sustainable, clean and green practices in the year 2013 Huachiew Chalermprakiet University under the administration of Assoc. Prof. Dr. Prachak Poomvises (former President), the current administration under Assoc. Prof. Dr. Uraipan Janvanichayanont, has not only continued our best sustainable practices but has reviewed the policies to make sure that these best sustainable practices run continuously, smoothly, and covers all departments and faculties of the university. To have a global impact, we have developed our activities from local to international and harness the lessons from these experiences to continually improve and develop our sustainable practices.

## Section 2 Sustainability Metrics



**END POVERTY IN ALL ITS FORMS EVERYWHERE**

### 2.1

Huachiew Chalermprakiet University (HCU) is founded by Poh Tech Tung Foundation which is the largest charitable institution in Thailand. Thus, from its early beginnings, the target of the founders is to help the needy and those at the grassroots level. As part of its anti-poverty program, the university provides a plethora of financial aid every year. There are also significant partial financial aids such as free accommodation, free school uniform as well as the provision of cost-of-living allowance. Table 1 shows the different financial aids provided by the university in academic 2025. Financial aid can be full, 75%, 50%, partial or other kind of financial aid covering the tuition fees, other matriculation fees, cost of living allowances, transportation, food, health insurance, legal counsel of the recipients, and others.

While the Huachiew Chalermprakiet University support the bottom 20% of household income, it provides more financial aids (either in full or in part) as way of giving back to the society and in concordance with the mission of its founder. Moreover, most students at Huachiew Chalermprakiet University are mostly from low middle income families, who have difficulties in attaining a higher degree education if left unsupported.

**Table1. Full Scholarships and Financial Aids for Incoming Freshmen for Academic Year 2025**

Types	Number of Recipients	Total Amount (in THB)
1. Full HCU Financial Aid	276	34,550,650.00
2. Partial HCU Financial Aid (at least 50% of the total educational expenses)	340	8,241,360.00
3. Low-interest Loans**	2701	278,037,293.00
4. Financial Aid in special areas (morality, in-demand professions, students activities, etc.)	272	3,428,000.00
<b>TOTAL</b>	<b>5640</b>	<b>737,662,730.00</b>

\*The University provides the remaining expenses of the students throughout the curriculum such as accommodation fees and provides a monthly stipend of 5000THB for the cost-of-living allowance of students who applied loan from the government. The amount above ONLY includes the money provided by the university.

\*\*In earlier sustainability reports, low-interest financial loans were not included; graduates start to pay the low-interest loans when they reach the minimum wage mandated by Thailand's Ministry of Labor.

## 2.2



The university promotes food security and improved nutrition of its students and employees through its low-chemical backyard vegetable and fruit gardens despite the fact that it is not an agricultural university. In its food safety project, the university produces organic vegetables and fruits for the consumption of the staff and students. It is a project to grow fruits and vegetables without chemicals and pesticides. In addition, the fertilizer used for planting is organic fertilizer produced from leaf and organic waste within the university to be composted to become fertilizer, which will be used in growing crops within the university. The project has been in operation since 2018 and grows various types of plants such as food plants, Thai herbs and Chinese herbs for sale to employees, students and surrounding communities. Excess produce were sent to nearby markets for sale.



### **Organic Vegetable Project (Non-chemical)**

The harvest is either sold and consumed in its fresh form or processed into value-added products such as beverages, fresh salads, and other healthy food items. These products promote nutritious eating habits while demonstrating sustainable food production and minimizing food waste. The harvest is not only intended for consumption by students and employees but is also presented as gifts during special occasions such as birthdays, Christmas, anniversaries, and New Year celebrations. This initiative encourages a healthier and more meaningful approach to gift-giving, promotes the sharing of locally grown produce, and helps reduce the financial burden associated

with purchasing expensive commercial gifts. It also strengthens the sense of community, fosters appreciation for sustainable agriculture, and inspires environmentally responsible lifestyles among members of the University community.

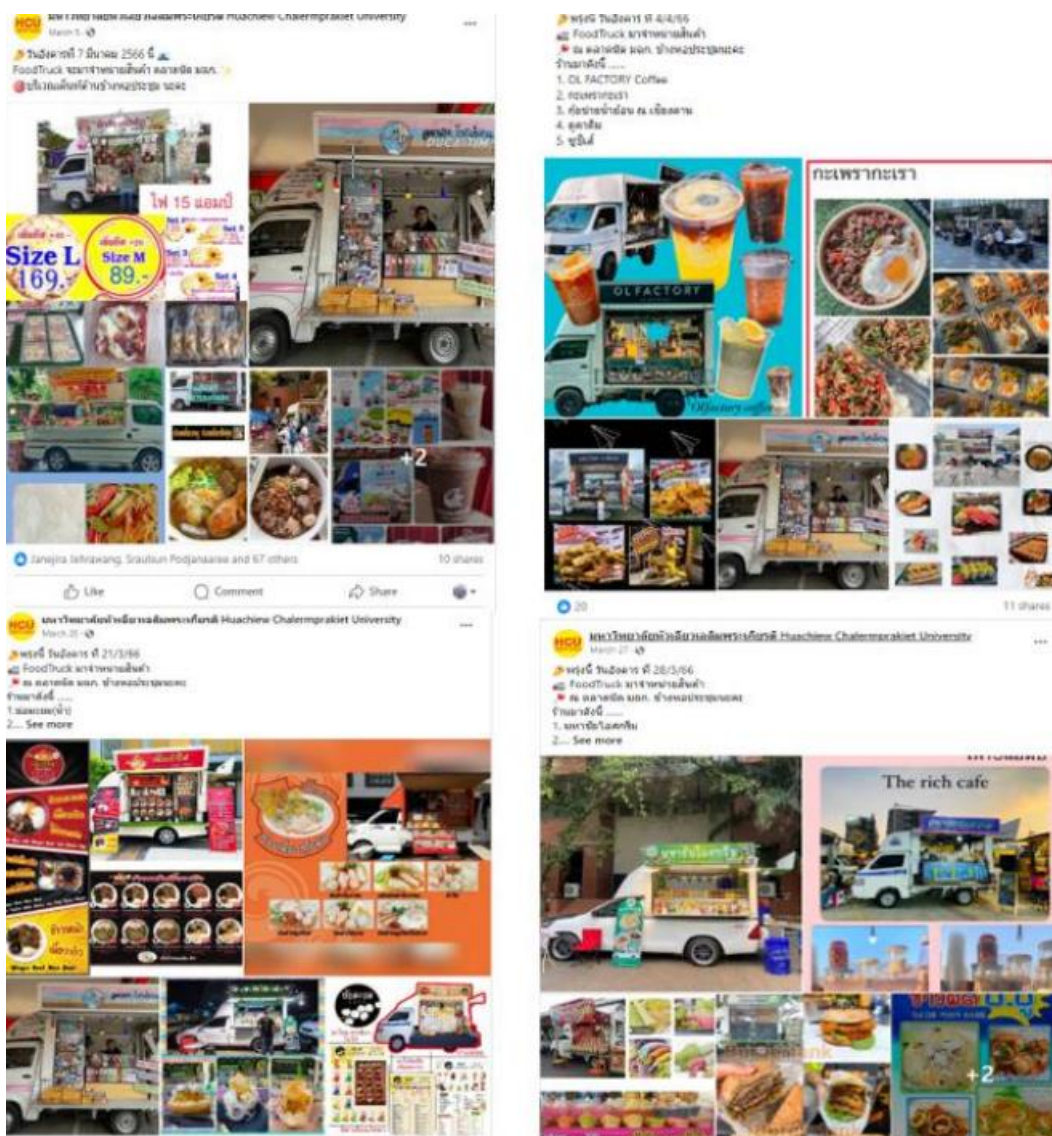


### **Sustainable Food Security and Student Well-being During Examination Periods**

As part of its commitment to reducing hunger and promoting student well-being, Huachiew Chalermprakiet University (HCU) has established a comprehensive **Feeding Program During Examination Periods**. Recognizing that students often have limited time to purchase or prepare meals during examinations, the University provides free, nutritious dinners to students residing in the university dormitories.



To ensure year-round access to affordable and nutritious food, the University also operates **three large canteens** located in different academic buildings. Each canteen has the capacity to accommodate **hundreds of students**, providing convenient access to a wide variety of meals throughout the day. In support of local economic development and sustainable procurement, HCU partners with **local Small and Medium Enterprises (SMEs)** by inviting food trucks from local businesses to operate on campus on a rotating schedule. This rotation introduces diverse food choices to students and staff while creating business opportunities for local entrepreneurs and promoting sustainably sourced food products. To improve accessibility and convenience, information regarding daily food truck schedules and available dining options is regularly shared through the University's official Facebook page, enabling students and staff to easily locate food services online.

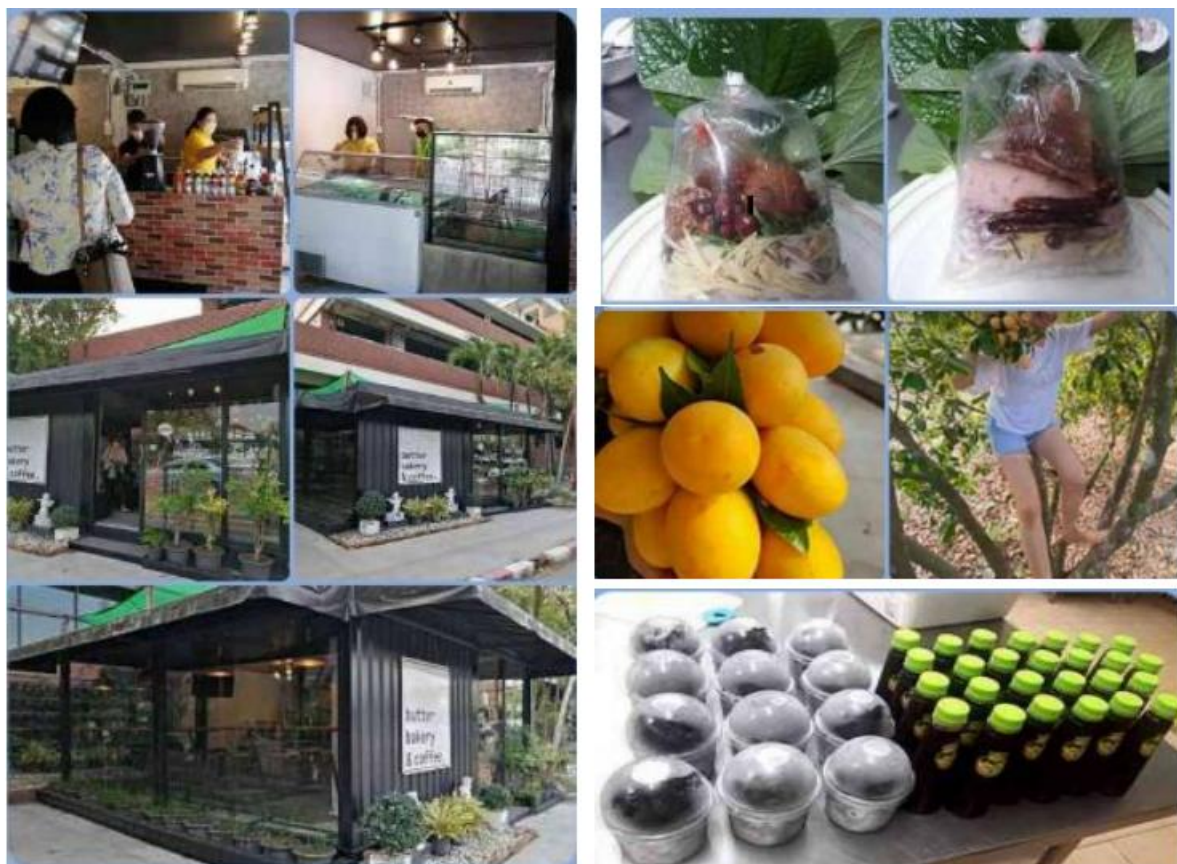


These initiatives demonstrate HCU's commitment to ensuring that no student experiences hunger during academically demanding periods. By providing free nutritious meals during

examinations, the University helps reduce financial burdens, supports students' physical and mental well-being, and enables them to concentrate fully on their studies. The integration of international and local students during communal dinners also promotes cultural exchange, inclusiveness, and social cohesion. Furthermore, the University's collaboration with local SMEs strengthens the local economy, encourages responsible and sustainable food consumption, and expands access to diverse, affordable, and high-quality food options. Collectively, these initiatives contribute to a healthier campus community while advancing the University's commitment to sustainable development, social responsibility, and equitable access to food.

### Sustainable Food Choices on Campus

The university has three large canteens located in three different buildings, where each canteen can accommodate hundreds of students. As part of its mission to support local Small Medium Enterprises (SMEs) and to provide a variety of sustainably sourced food items, the university invited food trucks from local SMEs to sell food products on a rotation basis, so different kinds of food reaches the university in different days. All of these sustainable food sources for the staff and students are posted on University's Facebook page, so the staff and students can access them online.





**ENSURE HEALTHY LIVES AND PROMOTE WELL-BEING FOR ALL AT ALL AGES**

**2.3**

The Ministry of Higher Education Science Research and Innovation (MHESI) of Thailand initiated the project named “Reinventing University” to promote excellence in specific areas of education. Huachiew Chalermprakiet University (HCU) actively participates in this project and has been evaluated by MHESI to be in Group 5 (Excellence in the Professions). The classification of HCU in this category is timely and appropriate to the university’s short, medium and long term strategic plans, which gear the university to be the leader in health sciences and Chinese studies.

Among the 13 faculties, six of them are in the field of health sciences, producing qualified graduates and professionals. Annually, the university produces graduates in the health science profession as shown in the table below.

**Table 2.** Number of graduates in each of the health science and wellbeing faculty from 2021-2023

<b>Faculty</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>
Nursing	166	203	133
MA Nursing	4	1	5
Pharmaceutical Science	85	73	72
MS Cosmetic Science	0	1	0
Medical Technology	116	133	128
Physical Therapy	82	93	69
Public Health	78	39	66
Traditional Chinese Medicine	86	61	47
One-Year Practical Nursing	75	96	100
Medical Science	12	9	15
<b>TOTAL</b>	<b>704</b>	<b>709</b>	<b>635</b>
<b>Total number of graduates</b>	<b>1336</b>	<b>1360</b>	<b>1330</b>
<b>Percentage of graduates in health science and well-being</b>	<b>51.80%</b>	<b>51.47%</b>	<b>47.74</b>

It can be seen from the table that more than 50% of the graduates of the university are health science graduates and ready to serve the health care industry of the country and the world.

The health science graduates of Huachiew Chalermprakiet University are produced in close collaboration with government hospitals and top NGOs ensure that the graduates are at par with their counterparts all over the world.

### **HCU Healthy Campus**

On July 24, 2025, from 4:00 p.m. onward, Assoc. Prof. Dr. Uraipan Janvanichyanont presided over the launching of the project “HCU Healthy Campus. The activities include walking and counting steps around the stadium, planting trees in front of the auditorium. and doing aerobic dancing in front of the Chinsophonpanich Building. The activities of the project continues until 31 August 2025, whether

- Walking and counting steps until 31 August.
- Tai Chi every Tuesday and Friday (25 July-25 August)
- Aerobics every Monday and Wednesday (24 July-28 August)
- Yoga every Wednesday and Friday (26 July-25 August)
- Providing knowledge about Office Syndrome, good nutrition and mental health.



## HCU Community Service

Huachiew Chalermprakiet University launched its 228th-231<sup>st</sup> HCU Community Service Project, in collaboration with community welfare doctors of Poh Teck Tung Foundation and Om Noi Municipality, Samut Sakhon Province to build relationships between the university and the community, create voluntarism awareness for the common good and create direct experience and professional skills for students with the different faculties participating in the activity. In addition, various agencies have also joined in providing services such as providing general health check-ups, dispensing medicine, tooth extraction, fluoride varnishing, lice removal, and distributing eyeglasses to people with vision problems for free. All services are free of charge.



## Huachiew Chalermprakiet University Prevents New Smokers

Huachiew Chalermprakiet University (HCU) organized a campaign to prevent new smokers from starting to smoke and protect against second-hand and third-hand smoking. The campaign was held between 19th - 23rd of September 2025 on the 1st floor of the Library Building. The opening ceremony was held on 19th of September 2025 and presided by Ajarn Chidchanok Siddharthasak, the Director of the Student Development Office, HCU, and Ajarn Teerawut Phongsetthapaisarn President of the Community Pharmacy Foundation, Faculty of Pharmacy participated in the event and provided alcohol spray to distribute to students and university personnel. Within the event, there was an exhibition of drawings to reduce, quit, and public relations activities to promote the campaign for not smoking and being aware of the

dangers of cigarettes: “Know (No) Smoking!” During the event on Wednesday, September 21, 2025, there was a live broadcast.



### Sexual and Reproductive Health Programs

The Student Development Office organized the reproductive health awareness training to form a group of student representatives who would join forces with the university to take care of fellow students together in the project "Friends of Hearts, Friends of Me, Friends of You. Class 1 was held from March 18-19, 2023 at Srivaree Pavilion Hotel. A team of lecturers from Student Development Office and expert speakers, deans and deputy deans from the Faculty of Social Work and Social Welfare, and Faculty of Nursing facilitated the sexual and reproductive healthcare campaign.



## Mental Health Support



The Student Development Office regularly organizes **Basic Psychological Support Training** through its Psychological Counseling Services in collaboration with the Student Guidance and Welfare Department. The program equips students, faculty members, and support staff with fundamental knowledge and practical skills to recognize early signs of psychological distress, provide appropriate initial support, communicate empathetically, and refer individuals to professional counseling services when necessary. The training also promotes awareness of stress management, emotional resilience, healthy coping strategies, and the importance of seeking help without fear of stigma.

The initiative aligns with the **World Health Organization (WHO)** framework on mental health promotion, which emphasizes that mental well-being is an essential component of overall health and a key determinant of academic success, productivity, and quality of life. By strengthening mental health literacy across the University community, HCU fosters a supportive campus environment where students feel safe, respected, and empowered to discuss psychological concerns and access timely assistance.

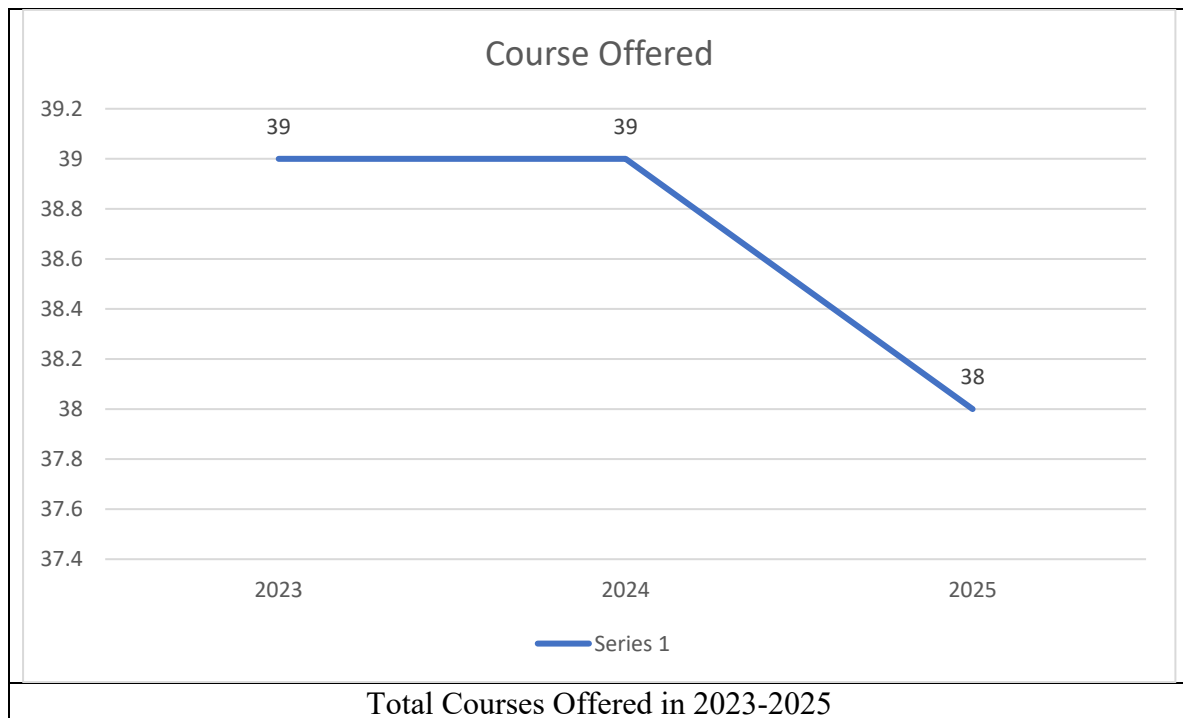
The significance of this program extends beyond crisis intervention. Early psychological support helps reduce stress, anxiety, and emotional exhaustion, particularly during periods of academic pressure and major life transitions. It contributes to improved concentration, learning outcomes, interpersonal relationships, and overall student well-being while reducing the likelihood of more serious mental health problems developing over time. Furthermore, the training cultivates a compassionate university culture in which peers, faculty members, and staff actively support one another, reinforcing a shared responsibility for mental well-being.

By integrating psychological support into student development services, Huachiew Chalermprakiet University demonstrates its commitment to creating a healthy, inclusive, and resilient learning environment. This initiative contributes directly to **SDG 3 (Good Health and Well-being)** by promoting mental health and well-being for all members of the University community, while also supporting **SDG 4 (Quality Education)** through the creation of an environment where students can achieve their full academic and personal potential.



ENSURE INCLUSIVE AND EQUITABLE QUALITY EDUCATION AND PROMOTE LIFELONG LEARNING OPPORTUNITIES FOR ALL

## 2.4



**Table:** Total number of courses offered in 2025 = 38 courses/degrees (not subjects)

Academic Year	Number of Courses Offered
2023	39
2024	39
2025	38

### The number of courses/subjects offered at Huachiew Chalermprakiet University.

The table presents the number of **degree programs** offered by the university from Academic Years 2023 to 2025. The university maintained **39 degree programs** in both 2023 and 2024. In Academic Year 2025, the total number of degree programs slightly decreased to **38** following the closure of one curriculum due to low student enrollment. Despite the program's closure, all of its sustainability-related subjects were retained and strategically integrated into other compatible degree programs, ensuring that sustainability education continued without disruption across the university's curriculum.

**Table 10** Average sustainability research fund in three years

Year	Regular (in THB)	Sustainability (in THB)	Total (in THB)	Percentage
2023	712073	7,614,694	8,326,767	91.45%
2024	1,574,015	11,712,888	13,286,903	88.15%
2025	0	1,784,482.00	1,784,482	100.00%
Year	Regular (in USD)	Sustainability (in USD)	Total (in USD)	Percentage
2023	21,909.94	234,298.28	256,208.22	91.45%
2024	48,431.23	360,396.55	408,827.78	88.15%
2025	0.00	54,907.14	54,907.14	100.00%
		TOTAL	732,520	
		<b>AVERAGE (3 years)</b>	<b>244,173.33</b>	<b>93.20%</b>

**Total research fund dedicated to sustainability research in 2023 = 256,208.22 US Dollars**  
**Total research fund dedicated to sustainability research in 2024 = 408,827.78 US Dollars**  
**Total research fund dedicated to sustainability research in 2025 = 54,907.14 US Dollars**  
**The averaged annum last 3 years of research fund dedicated to sustainability research = 244,173.33 US Dollars**

The emphasis on sustainability in Huachiew Chalermprakiet University's research budget allocation from 2023 to 2025 highlights a clear institutional commitment to addressing pressing global issues related to environmental, economic, and social sustainability. Despite the overall reduction in the university's research budget due to reliance on external funding sources, the allocation for sustainability research remains robust. With nearly 100% of the 2023 and 100% in academic year 2025 research budget dedicated to sustainability-related projects, this strategic choice underscores the university's alignment with Sustainable Development Goals (SDGs) and Thailand's national agenda for sustainable development.

From a financial perspective, the figures demonstrate that approximately **93.20%** of the total average annual research budget from 2023 to 2025—equivalent to **244,173.33** USD was allocated to sustainability research. This high percentage not only highlights the university's prioritization of sustainable initiatives but also reflects its proactive stance in responding to global challenges such as climate change, resource management, and community resilience. By focusing the majority of its research funding on sustainability, Huachiew Chalermprakiet University positions itself as a leader in fostering innovation and practical solutions that can positively impact local communities and contribute to broader environmental goals.

This strong focus on sustainability research can also enhance the university's reputation and appeal to potential funding bodies, as sustainability projects often align with the objectives of international grants and partnerships. Furthermore, it demonstrates the university's commitment to equipping its students, faculty, and community with the knowledge and skills necessary to drive sustainable practices across various fields. This commitment not only strengthens Huachiew Chalermprakiet University's academic and research profile but also fosters a culture of responsibility and forward-thinking that is essential for the university's long-term impact and relevance in an increasingly sustainability-focused world.

### **Number of Events Related to Sustainability**

The university has aimed towards attaining sustainability in most of the 17 UN Sustainable Development Goals (SDGs). In this section, we will provide evidence to show events, that are related to sustainability, we organized in the past three years (2023-2025). Most of these events are held every semester or three times a year or even more. For convenience in understanding the events, we divided them into two groups: (1) annual events related to sustainability, and (2) newly organized special events related to sustainability to address the long-term strategic plan of the university that started in academic year 2021. The events include conferences, seminar, workshops, awareness-raising, practical training, agreement-signing and others. From 2023-2025, there was a total 64 event types related to sustainability that were hosted or facilitated by the university and increased in frequency of holding these events in academic year 2023 with a total of 442 events held.



**Number of student organizations related to sustainability**

Student organizations in the university are varied. Sustainability activities are decentralized and conducted in each faculty. All of the groups below are individually managed by each of the 13 faculties. From academic year 2023 to 2025, there were a total of 32 student activities organized by students’ organizations that are related to sustainability per year such the figure below:



Student Bike Mechanics

**Number of cultural activities on campus (e.g. Cultural Festival)**

There was a total of 14 cultural activities held in academic year 2023 that promotes not only the culture but also sustainability and they will be discussed briefly below with images as evidence such as the **Loy Krathong Festival and the Songkran Festival**

In the academic year 2022, Huachiew Chalermprakiet University celebrated Loy Krathong Festival on the 16<sup>th</sup> of November 2022 from 3PM to 8PM. The Loy Krathong is a festival that is observed every November and starts by creating “krathongs” and then floated in the rivers. The problem in the past is that “krathongs” made pollute the rivers, so the university prepared krathongs that are easily biodegradable – mainly made from banana leaves and trunks and some flowers. This cultural activity is done and celebrated by all the thirteen faculties of the

university. Recently, due to the impact of the krathongs made on the environment, the university advocated the use of **digital krathongs** such (as the digital posters shown in pictures 1 and 2 above) to prevent any pollutant going to the different bodies of water in Thailand.

### **Songkran Festival**

The Songkran Festival or also known as Thai New Year Festival is celebrated every month of April. The festival is aimed at paying respect to the elders by pouring water on their shoulders and asking for their blessings. This festival tradition is also celebrated in the university with few adaptations to address the needs of the current digital era. For instance, to promote sustainability, the poster of the festival was disseminated on social media and non-biodegradable posters such as vinyl-made posters were not used.



### **Number of university sustainability program(s) with international collaboration**

Huachiew Chalermprakiet University (HCU) recently signed a series of Memorandums of Understanding (MOUs) with international partner institutions, reinforcing its commitment to sustainability through collaborative global initiatives. These agreements aim to foster joint activities, research projects, and knowledge exchange on pressing sustainability issues, aligning with both HCU's strategic goals and international Sustainable Development Goals (SDGs). By partnering with institutions that share a dedication to environmental stewardship, social responsibility, and sustainable development, HCU is paving the way for impactful collaborations that will benefit communities both locally and globally. Some of the MOUs and activities that emanated from those MOUs are shown below.



### **Education Outreach Activities Beyond Campus**

The initiative by Huachiew Chalermprakiet University’s Faculty of Traditional Chinese Medicine to provide free consultations, treatments, and health advice to rural communities plays a significant role in promoting health and sustainable well-being. Conducted bi-annually by teachers and senior Traditional Chinese Medicine students, these consultations address critical gaps in healthcare access for individuals who cannot afford Western medicine, particularly in rural areas where financial barriers and limited healthcare facilities can hinder health outcomes. By fostering trust and reliance on accessible, culturally relevant treatment options, the program encourages community members to prioritize their health while also recognizing the value of traditional practices in enhancing overall well-being.

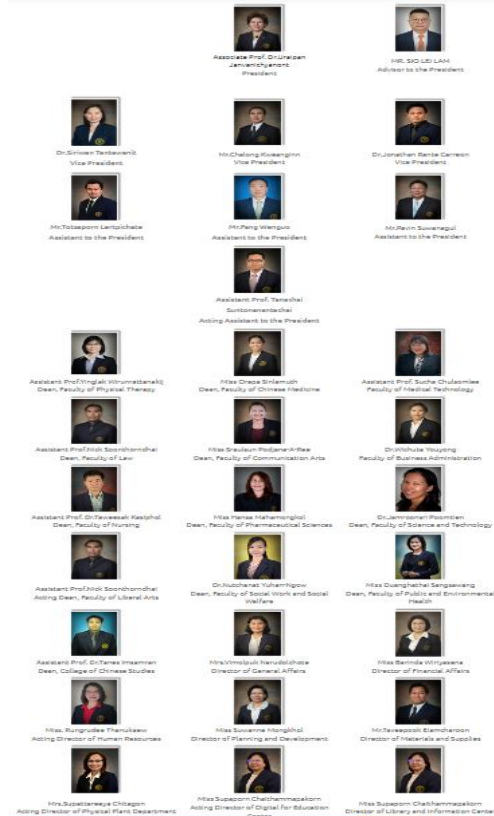
Moreover, the initiative’s emphasis on sourcing raw materials for medicines from local suppliers not only supports sustainable health practices but also promotes environmental awareness. By teaching communities to cultivate their own medicinal plants, the program encourages organic farming methods that contribute to ecological health and biodiversity, while reducing dependence on harmful chemicals and fertilizers.

This holistic approach empowers individuals to make informed decisions about their health and well-being, fostering a sense of responsibility toward both their health and the environment. Ultimately, this program exemplifies Huachiew Chalermprakiet University's commitment to integrating health and sustainable living, ensuring that community members can thrive in both their physical health and environmental stewardship.





### Huachiew Chalermprakiet University Organizational Chart



The organizational chart shows that the University is led by a female President and there are more female executives than males. In other words, there is a higher chance for females to go up the career ladder. While there are more male Vice Presidents and Assistant President, of the 13 faculties, only four males manage them as deans. The Deans of the different faculties are the immediate successor of the Vice President for Academic Affairs.

As for the employees in the different sections of the university, it can be seen that there are more female lecturers and staff than males. Of the total 726 employees of the university, 515 or 70.94% are females.

It can also be seen in the figure below that of the 476 academic staff or lecturers, 353 are females and only 126 are males.

## Huachiew Chalermprakiet University and Non-Formal and Informal Education, Muang Samut Prakan Join Hands to Promote Education for All Gender

Huachiew Chalermprakiet Chalermprakiet University (HCU) and the Center for Non-Formal and Informal Education Mueang Samut Prakan District (NFE Muang Samut Prakan) signed a memorandum of academic cooperation in supporting the development of teaching and learning curricula to meet the needs of the labor market especially labor market that supports gender equality to continuously produce professional manpower, conduct research and academic services to be used to benefit the organization, society, and community regardless of gender. This time, it is a pilot project with the Faculty of Science and Technology, one of the 13 faculties of HCU, and the Non-Formal and Informal Education, Muang Samut Prakan, one of the six in Samut Prakan province (NFE Phra Pradaeng, NFE Bang Phli, NFE Phra Samut Chedi, NFE Bang Bo and NFE Bang Sao Thong)

Gender equality activities has also reached the student body, with Mr. Jirameth Noimueang, a third year student, Faculty of Social Work and Social Welfare join in gthe phrase writing contest and garnered the first runner-up award in the phrase writing contest to promote gender equality", which was organized by the Department of Women's Affairs and Family Institutions, Ministry of Social Development and Human Security. The Theme: "Equality, fairness, equality throughout Thailand, no discrimination: Taking into account human rights principles"



**Proportion of Women Receiving Degrees**

The table below presents the total number of graduates and the proportion of women graduates among the total number of graduates in the past three academic years (2022-2024), which shows that there were much more women graduates in the past three years.

	2022		2023		2024	
	Total	Women	Total	Women	Total	Women
<b>STEM</b>	78	63 (80.77%)	20	15 (75%)	16	10 (62.5%)
<b>Medicine</b>	630	567 (90%)	613	545 (88.91%)	602	537 (89.20%)
<b>Arts/Humanities/ Social Sciences</b>	953	716 (75.13%)	703	478 (67.99%)	742	461 (62.13%)
<b>TOTAL</b>	1661	1346 (81.04%)	1336	1038 (77.69%)	1360	1008 (74.14%)

2.6

**Water conservation program and implementation**

The university has surveyed the water reservoirs within the university and found that the university has 4 clay ponds that can collect rainwater, especially during the rainy season. It also promotes a pleasant atmosphere and ecological balance on campus. The table below shows the dimensions and the water capacity of each pond.

No.	Pond	Space (m <sup>2</sup> )	Depth (m)	Volume (m <sup>3</sup> )
1	Health-Park Pond 1	1,390	2	2,780
2	Health-Park Pond 2	1,097	2	2,194
3	Pond behind Tang jew Building	2,974	1.5	4,461
4	66-Rai Pond	28,270	1.5	42,405
	<b>Total</b>			<b>51,840</b>



Health-Park Pond 1



Health-Park Pond 2



Pond behind Tang Jew Building

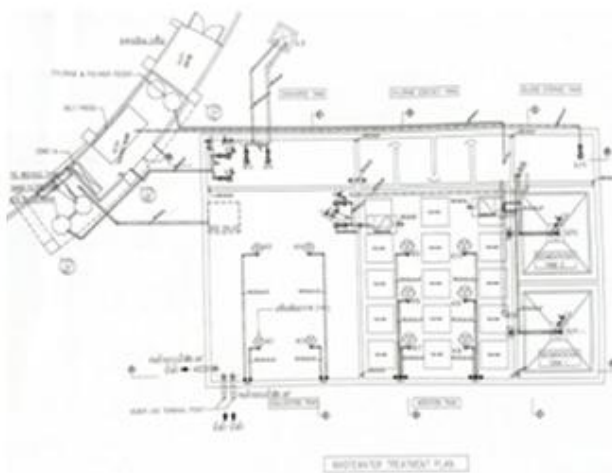


Sprinkler for watering plants

In AY 2024, the university pumps surface water from ponds located on campus to water the plants. Surface water from ponds is being pumped for watering plants larger volumes than used in 2023, with the period when Surface water from ponds is used instead of tap water for watering plants is from November 2024 to February 2025. The volume of surface water from ponds used for watering plants in 2024 is 540 m<sup>3</sup>, equivalent to 1.04% of the total volume of water of the water sources (51,840 m<sup>3</sup>).

### Water Recycling Program Implementation

The university recycles wastewater with the treatment system under the biological process called Activated Sludge. (Figure 1) The processed water, then, is filled with chlorine to kill germs and disinfect other harmful contaminants. After that, the treated water is stored in the recycling pond. The university will use 100% of recycled water for watering the plants in the university at HCU2. A total of 42 faucets have been installed to distribute water throughout the lawn and watering plants around HCU2's building. The volume of recycled water is 4,300 m<sup>3</sup>. It can reduce tap water usage by 2.11% of the total tap water volume. (202,982 m<sup>3</sup>)



Layout of wastewater treatment system



Faucet of water from water recycling

## Water-efficient Appliances Usage

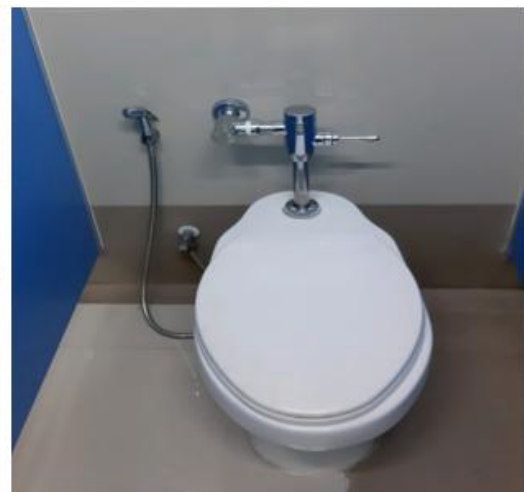
Huachiew Chalermprakiet University has a total of 7,198 items of water-using equipment including basin faucets, toilet bowls, faucets, urinals, and showers. At present 4,004 items out of the total are considered water-saving water equipment.

**Table** Total number of water-using appliances, the number of water-efficient appliances, and the ratio of water-saving appliances to all water-using appliances.

Appliance	Total Number	Total number water Efficient appliances	Ratio (Percentage)
<b>HCU1</b>			
Basin faucet	773	773	100
Toilet Bowl	842	784	93.11
Faucet	842	0	0
Urinal	260	260	100
Set Hand Shower	239	0	0
<b>HCU2</b>			
Basin faucet	1044	1044	100
Toilet Bowl	1099	1099	100
Faucet	1099	0	0
Urinal	44	44	100
Set Hand Shower	956	0	0
Total Amount	7,198	4,004	
		<b>Average Percentage</b>	<b>55.63</b>



Press pop-up handle basin faucet



Toilet flush

## Consumption of treated water

The university uses treated water for consumption as follows:

1. Production of drinking water from water sources through the filtration and water quality adjustment system. The volume of water produced is 33,480 m<sup>3</sup>. (Water sources for the treated water installation are located outside the university)

2. The production of ice from tap water by using carbon resin twin-tube water filters. The volume of water produced is 108 m<sup>3</sup>. (Water sources and water treatment systems are located inside the university)

The total volume of treated water for consumption is 33,588 m<sup>3</sup>, accounting for 64.79% of the volume of all water sources. (51,840 m<sup>3</sup>)



University's drinking water 350 ml.



Machine for ice production

## Water pollution control in campus area

In 2025, the university has announced a sustainability policy that aims to manage the university's water in order to achieve SDG 6 : Clean Water and Sanitation. To achieve the university's water management goals. Therefore, the Division of Facilities which is directly responsible for managing and managing the environment within the university and the energy and environmental management committee of the university with representatives from all departments and faculties have been assigned to jointly campaign and organize various activities.

### Sewage Disposal

Huachiew Chalermprakiet University's wastewater treatment system employs the "Activated Sludge Process" as "the secondary treatment" at Area 1 (HCU 1) and Area 2 (HCU 2). Moreover, our university submits monthly summary reports of wastewater treatment system operation to government agencies as E-Report in the web-based database system of Pollution Control Department to Bang Chalong Subdistrict Administrative Organization, and Pollution Control Department, Ministry of Natural Resources and Environment.

These systems allow for recycling activities in which, most wastewater will be treated and reused, i.e., reuse of water in activities requiring lower water quality. The treated water is mainly used for watering plants. If there is any remaining water, it will be used to wash the road surface and use in the cooling system of the air conditioning system (after chlorination). Sludge separation of both areas is pumped out every 3 months by an external contractor (Sa-Ard Dee Part., Ltd.) and is disposed by Song Khlong Subdistrict Administrative Organization, Chachoengsao Province at a sanitary landfill.

7 AFFORDABLE AND CLEAN ENERGY

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

Huachiew Chalermprakiet University strives to realize the use of additional energy saving appliances by paying close attention to efficient energy management in all parts of the organization. The contract with TW Facility Service Co., Ltd. provides care and maintenance of the electrical systems, air conditioning systems, etc., in order to achieve potential and efficient energy saving system with the use of devices such as LED lamps and fans as replacement of the existing ones. Moreover, our equipment storage room are always equipped energy efficient appliances. The most used appliances in our university had electricity saving label No.5 certification of Ministry of Energy (Thailand) and EGAT as energy efficient appliances with a Thailand’s standard.

A comparison of the number of energy-efficient appliances and conventional ones, the percentage is 53.

Energy-efficient appliances at HCU

Appliance	Total Number	Total Number Energy Efficient Appliances		Percentage (Academic Year 2024)
		Academic Year 2023	Academic Year 2024	
Huachiew Chalermprakiet University, Area 1 (HCU 1)				
1. LED Lamp	32,939	27,600	27,800	84%
2. Fan	1,874	260	260	14%
3. Split Type Air Conditioner (SPT)	1,155	315	335	29%
4. Small air cooler unit (FCU)	128	0	0	0%
5. Large air cooler unit (AHU)	17	0	0	0%
Huachiew Chalermprakiet University, Area 2 (HCU 2)				
6. LED Lamp	10,013	10,013	10,013	100%
7. Split Type Air Conditioner (SPT)	958	958	958	100%
8. Fan	138	138	138	100%
SUM	47,222	39,284	39,504	

Appliance	Total Number	Total Number Energy Efficient Appliances		Percentage (Academic Year 2024)
		Academic Year 2023	Academic Year 2024	
Average Percentage				53%

Source: TW Facility Service Co. Ltd.

The following formula is applied for the calculation:

$$\frac{\text{total smart building area}}{\text{total building area}} \times 100\%$$

\*Total Building Area: 48,243 m<sup>2</sup>

$$\frac{33,873 \text{ m}^2}{48,243 \text{ m}^2} \times 100\% = 70.21\%$$

Huachiew Chalermprakiet University uses the Building Management System (BMS) that entails using the Lighting Access Control system, which can control the lighting system outside the building from the control room, the auto light power on-off system, the surveillance with CCTV, and a BAS system for controlling Chiller etc. All these systems are controlled by a computer operating system. there is total smart building of 33,873 m<sup>2</sup> (from total building area of 48,243 m<sup>2</sup>).

As for renewable energy sources in campus, the University has implemented the HCU Solar Rooftop project by installing solar panels on the roof of the Lecture Building, Canteen 1 and Gymnasium (Power Purchase Agreement with Solar Energy Society Co., Ltd. on July 2, 2020). Therefore, it is self-assessed at one source, which is Solar power. It is one renewable energy source. The solar power capacity is 829.44 kW. In 12 months, the solar power generation is 3,583,180.80 kWh (829.44 kW. x 12 hr x 30 days x 12 months).



### HCU Solar Rooftop Project

The university has a policy and committee to develop plans to drive activities/projects and various operations for conserving energy and environment. Huachiew Chalermprakiet University focuses on creating an environment with green spaces, good ventilation, use of natural light, and reducing all types of pollution within the university for students and staffs to have a good quality of life. Operations related to construction and renovation reflect the policies of the university such as:

1. Energy and Environmental Conservation Policy (Notification No.026 / 2022)
2. Appointment of Energy and Environmental Management Committee (Order No.302 / 2021)
3. Use of label No.5 certification as green label of Ministry of Energy (Thailand) and EGAT as energy efficient appliances with a Thailand's standard and other energy-efficient appliances such as LED lamps, fans, split type air conditioner (SPT)
4. Green library implementation, building learning spaces as a new area in green library for use of natural light and saving energy.
5. HCU Solar Rooftop Project
6. MEA Energy Awards 2021, which was obtained from the energy-saving building contest. Previous awards garnered by the university includes The Best Energy Saving Building of MEA 2015 by the Metropolitan Electricity Authority (MEA) of Thailand with prize money of 2 million baht, and the Thailand Energy Awards 2016 and 2020, and ASEAN Energy Award 2016.

2.8

### HCU Speed Up

HCU joined hands with Channel 3, a top Thai TV channel, to build personnel into professionals. Huachiew Chalermprakiet University (HCU), thinking real, acting fast, joined hands with Channel 3 to sign a memorandum of understanding on academic cooperation to create quality personnel and publicize recruitment for various positions, including exchanging knowledge through organizing various activities.





## BUILD RESILIENT INFRASTRUCTURE, PROMOTE INCLUSIVE AND SUSTAINABLE INDUSTRIALIZATION AND FOSTER INNOVATION

### Research Income from Industry and Commerce

The report below shows the approximate income generated by each faculty from conducting research. The total income generated by all faculty is 7,522,100.75 THB.

ตัวบ่งชี้ 2.2	: เงินสนับสนุนงานวิจัยและงานสร้างสรรค์
ชนิดของตัวบ่งชี้	: ปัจจัยนำเข้า
เกณฑ์การประเมิน	: ค่าเฉลี่ยของคะแนนผลการประเมิน (เงินสนับสนุนงานวิจัยหรืองานสร้างสรรค์จากภายในและภายนอกสถาบัน) ของทุกคณะและหน่วยวิจัยในสถาบัน
สูตรการคำนวณ	:

$$\text{คะแนนที่ได้} = \frac{\text{ผลรวมของผลการประเมินเงินสนับสนุนงานวิจัยของทุกคณะและหน่วยวิจัย}}{\text{จำนวนคณะและหน่วยวิจัยทั้งหมดของสถาบัน}}$$

#### ผลการดำเนินงาน

ในปีการศึกษา 2565 มหาวิทยาลัยมีงานวิจัยที่ได้รับเงินสนับสนุนรวมทั้งสิ้น 8,809,368.75 บาท โดยประกอบด้วย เงินสนับสนุนงานวิจัยจากมหาวิทยาลัย จำนวน 1,287,268.00 บาท และเป็นเงินสนับสนุนงานวิจัยจากหน่วยงานภายนอก จำนวน 7,522,100.75 บาท (เอกสารหมายเลข ๑-๑-1)

ตารางที่ 2-1 จำนวนเงินสนับสนุนการวิจัย มหาวิทยาลัยหัวเฉียวเฉลิมพระเกียรติ ปีการศึกษา 2565

สังกัด	จำนวนเงินสนับสนุนงานวิจัย (บาท)	จำนวนอาจารย์ประจำปฏิบัติงาน	จำนวนเงินต่อคน (บาท)	คะแนนที่ได้ (เต็ม 5 คะแนน)
<b>กลุ่มสาขาวิชาวิทยาศาสตร์และเทคโนโลยี</b>				
คณะวิทยาศาสตร์และเทคโนโลยี	2,084,836.75	42.00	49,638.97	4.14
<b>กลุ่มสาขาวิชาวิทยาศาสตร์สุขภาพ</b>				
คณะพยาบาลศาสตร์	105,296.00	46.00	2,289.04	0.23
คณะเภสัชศาสตร์	220,986.00	43.50	5,080.14	0.51
คณะเทคนิคการแพทย์	99,847.50	29.00	3,443.02	0.34
คณะกายภาพบำบัด	49,660.00	26.00	1,910.00	0.19
คณะสาธารณสุขศาสตร์ฯ	250,595.00	22.00	11,390.68	1.14
คณะการแพทย์แผนจีน	84,750.00	15.00	5,650.00	0.57
<b>กลุ่มสาขาวิชามนุษยศาสตร์และสังคมศาสตร์</b>				
คณะสังคมสงเคราะห์ศาสตร์ฯ	481,143.00	9.00	53,460.33	5.00
คณะศิลปศาสตร์	614,146.50	51.50	11,925.17	2.39
คณะบริหารธุรกิจ	3,490,480.00	34.00	102,661.18	5.00
คณะนิเทศศาสตร์	879,197.75	8.00	109,899.72	5.00
คณะนิติศาสตร์	448,430.25	6.00	74,738.38	5.00
วิทยาลัยจีนศึกษา	0.00	20.00	0.00	0.00
<b>รวม</b>	<b>8,809,368.75</b>	<b>352.00</b>	<b>25,026.62</b>	<b>29.50</b>

คะแนนเฉลี่ย 29.50/13 = 2.27

An example of research project that sold for 1 million baht for the use of product copyright for three years is shown below.



Huachiew Chlaermprakiet University through its Faculty of Traditional Chinese Medicine unveiled the “Inyang”: Relax Product. The product is meant to calm the mind and nerves so the individual becomes relaxed. It is not being marketed in collaboration with Sappe Company, a well-known beverage company in Thailand that produce and export products all over the world. Another product is the Power Booster. This product was produced by the Faculty of Traditional Chinese Medicine from research to be a start-up project. It is now being marketed in collaboration with Sappe Company, a well-known beverage company in Thailand that produce and export products all over the world. This product helps boost energy to kickstart an sluggish day. The university signed an MOU with Sappe to use the formula of this products for three consecutive years and renegotiate after the expiry date.

The Maingo or the Mangeferin-on-the-go is an innovative product of the Faculty of Pharmacy that came from award-winning research. The active ingredient is Mangeferin, which is a substance from the leaf of mangoes. Mango leaves are harvested after all mango fruits are harvested to prevent mango leaves from falling and being burned by farmers. The product is already available online in the university’s drug store.



## 2.10



Since the granting of its university status in 1992, Huachiew Chalermprakiet University has been providing financial support to international students staying in the university lead to a degree, certificate, institutional credit or other qualifications.

In 2022, more students from low middle income country such as the Philippines travelled to Thailand and joined Huachiew Chalermprakiet University's International Training and Immersion Programs for Health Sciences and Forensic Science as shown in the Table below

<b>International Training and Immersion Program Credit Transfer</b>	<b>Sending Institution</b>	<b>No. of Attendees FTE (3/4=.75)</b>	<b>Support Provided to All Participants</b>
1. Intensive Training and Immersion Program for Medical Technology	Saint Louis University, Philippines	22.5	Paid roundtrip airport transfer for all students. Paid roundtrip airport for accompanying lecturers Paid accommodation for all accompanying lecturers Paid training for accompanying teachers Paid cultural activities Free international services fee Free 24/7 counseling and consultations on health and other concerns Paid one night accommodation of parents if they decide to visit their children
2. Intensive Training and Immersion Program for Medical Technology	University of Baguio, Philippines	11.25	Paid roundtrip airport transfer for all students. Paid roundtrip airport for accompanying lecturers

			<p>Paid accommodation for all accompanying lecturers</p> <p>Paid training for accompanying teachers</p> <p>Paid cultural activities</p> <p>Free international services fee</p> <p>Free 24/7 counseling and consultations on health and other concerns</p> <p>Paid one night accommodation of parents if they decide to visit their children</p>
3. Intensive Training and Immersion Program for Pharmaceutical Science	Saint Louis University, Philippines	31.5	<p>Paid roundtrip airport transfer for all students.</p> <p>Paid roundtrip airport for accompanying lecturers</p> <p>Paid accommodation for all accompanying lecturers</p> <p>Paid training for accompanying teachers</p> <p>Paid cultural activities</p> <p>Free international services fee</p> <p>Free 24/7 counseling and consultations on health and other concerns</p> <p>Paid one night accommodation of parents if they decide to visit their children</p>
4. Intensive Training and Immersion Program for Forensic Science	University of Baguio, Philippines	9.75	<p>Paid roundtrip airport transfer for all students.</p> <p>Paid roundtrip airport for accompanying lecturers</p> <p>Paid accommodation for all accompanying lecturers</p> <p>Paid training for accompanying teachers</p> <p>Paid cultural activities</p> <p>Free international services fee</p>

			Free 24/7 counseling and consultations on health and other concerns Paid one night accommodation of parents if they decide to visit their children
5. Intensive Training and Immersion Program for Medical Technology	University of Saint Louis Tuguegarao, Philippines	9.75	Paid roundtrip airport transfer for all students. Paid roundtrip airport for accompanying lecturers Paid accommodation for all accompanying lecturers Paid training for accompanying teachers Paid cultural activities Free international services fee Free 24/7 counseling and consultations on health and other concerns Paid one night accommodation of parents if they decide to visit their children
	<b>TOTAL</b>	<b>84.75</b>	

### **Campus facilities for the disabled, special needs and/or maternity care**

The university recognizes human equality as important, so it has provided equal facilities for students and staff. Students with disabilities and special groups have equal access to campus facilities as regular students. The building usage of students and employees with disabilities and special groups has been surveyed to ensure that facilities for disabled and special needs are installed in all building. Facilities installed in buildings used by students and employees with disabilities and special needs include:

- Toilet for disabilities and special people
- Ramps for disabled people
-

- Disabled people parking
- Handrails in the study building
- Elevator for disabled people



Toilet for PWDs



Ramps for disabled people

Disabled parking

In 2024, the results of the survey on the use of disabled and special needs in buildings. It was found that in every building used by students and employees with disabilities and special people, all facilities can be fully operated. The buildings with facilities disabilities and special needs are as follows:

Facilities for disabled or persons with special needs in each building

	<b>Building Names</b>	<b>Total operation area (m<sup>2</sup>)</b>	<b>All Facilities for disable, special needs in each buliding</b>	<b>Operating conditions</b>
1	Study Buildings	35,940	T,R,P,H,E	√
2	The Auditorium	3,896	T,R,P,H	√
3	The library	8,800	T,R,P,H,E	√
4	The Five-Story Science Laboratories Building	4,772	T,R,P,H,E	√
5	Administration Building	10,735	T,R,P,E	√
6	Stadium	2,162	T,R,P,H	√
7	Student Dormitory 2	4,355	T,R,P,H	√
8	Student Dormitory 1	5,485	T,R,P,H	√
9	Student Dormitory 3	8,200	T,R,P,H	√
	<b>Total</b>			

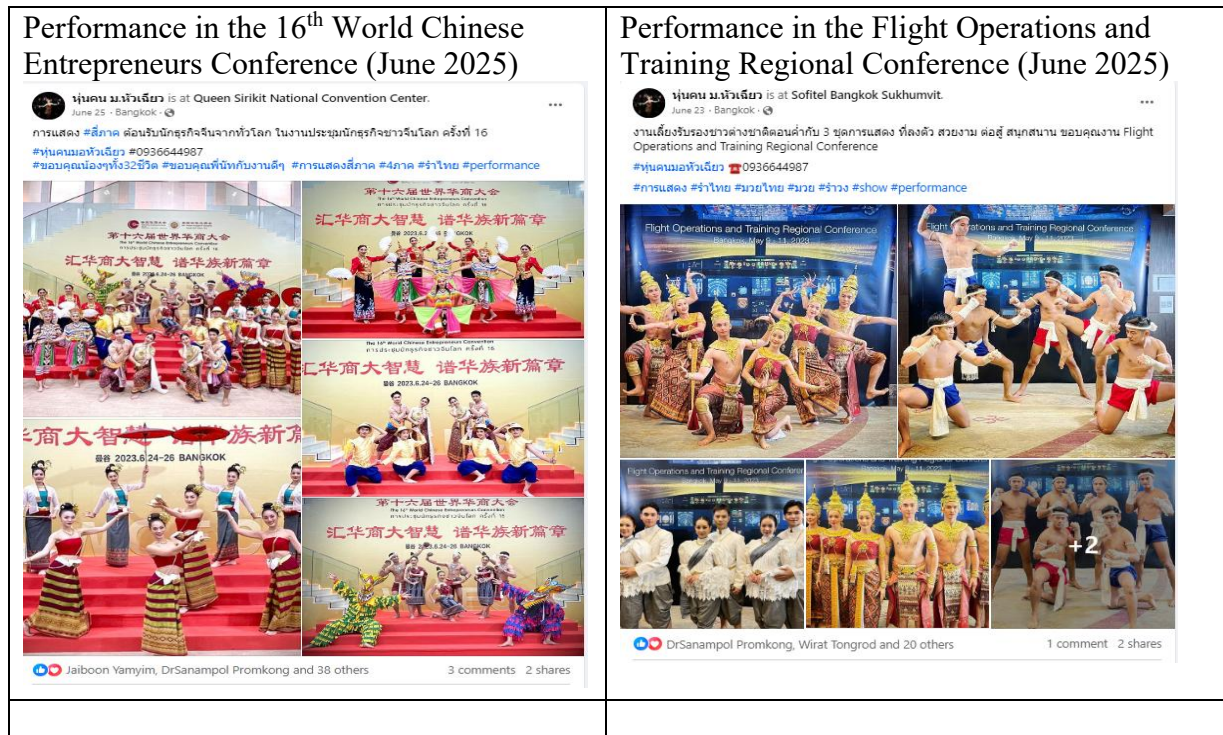
**NOTE:** T = Toilet, R = Ramps, P = Parking, H= Handrails, E= Elevator, √ = fully operation

2.11



**International Cultural Performances**

In the academic year 2025, the Huachiew Chalermprakiet University Hun Khon Group (หุ่นคน) has been invited to perform in the international arena to showcase Thai human puppet.



**Number of cultural activities on campus (e.g. Cultural Festival) including virtual activities (if any)**

There are several Thai cultural activities that promotes not only the culture but also sustainability and they will be discussed briefly below with images as evidence.

**1. Chinese New Year Festival**



Huachiew Chalermprakiet University is the only private Chinese university in Thailand. Briefly, Huachiew Chalermprakiet University was founded by the Poh Tek Sieng Tung Overseas Chinese Foundation, which is the largest charitable Chinese organization in Thai society. To commemorate the goodness and honor the noble goal of this Chinese Foundation, we celebrate the Chinese New Year Festival. As part of Huachiew Chalermprakiet University's commitment as a green university, candles and joss sticks were used as displays but they were not burned prevent air pollution.



Picture 1 depicts the festival's e-poster. Pictures 2A to 2C unveils the Chinese tradition of paying respect to ancestors. Picture 3 shows the HCU group marching around the campus and towards the administration building. Pictures 4A and 4B show members of the administration praying for the prosperity of the university and all the stakeholders.

In Picture 5, members of the administration wished the students and employees a Happy

Chinese New Year, with gifts provided to all participants of the festival.

The blessed candles are brought to the university and offered in front of the Thai Pavilion, which is believed to house the Protector of the university.

### **Access to Library, Museums and Buildings**

Huachiew Chalermprakiet University provides free access to buildings, museums, sports facilities, library and other facilities. Visitors who wish to access the facilities should provide an official identification card such as the Thai Identification card, Driver's License or even passport. Students can show their student IDs

## 2.12

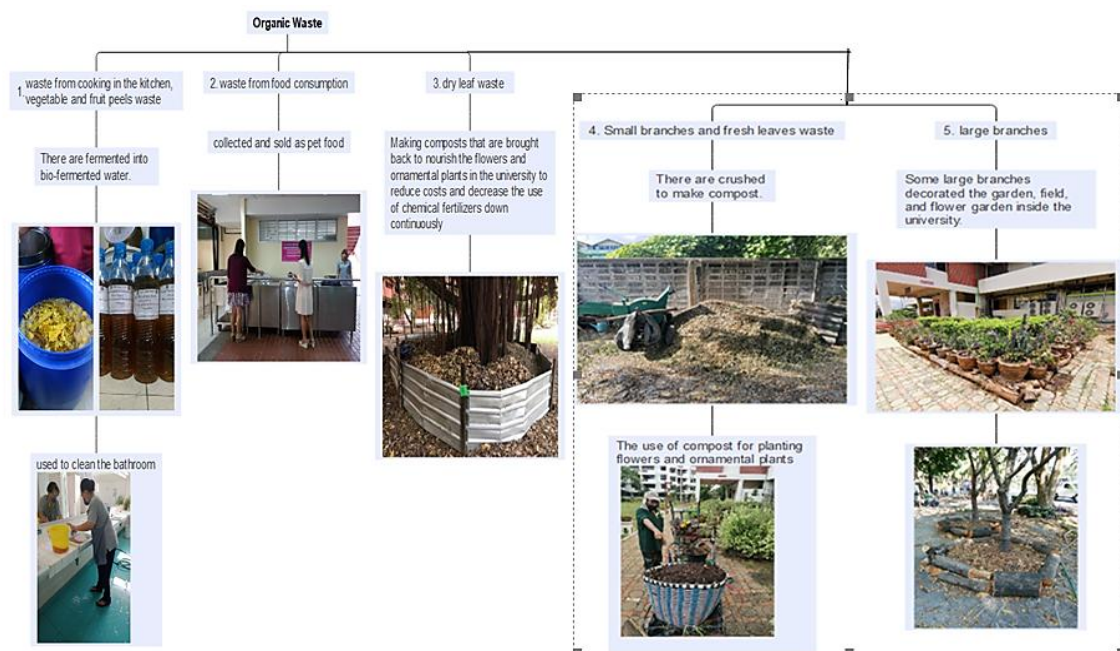


### ENSURE SUSTAINABLE CONSUMPTION AND PRODUCTION PATTERNS

Huachiew Chalermprakiet University (HCU) has strategic objectives to be a sustainable and green university in accordance with Sustainable Development Goals (SDGs) of the United Nations. The waste management at HCU classified waste into three groups: (1) organic waste, (3) inorganic waste, and (3) toxic waste. Waste management is carried out by following the process guidelines according to 3R principle: **Reduce, Reuse, Recycle**. Reduce means to minimize the amount of waste we create. Reuse refers to using items more than once. Recycle means putting the waste to a new use instead of throwing it away.

#### Organic waste

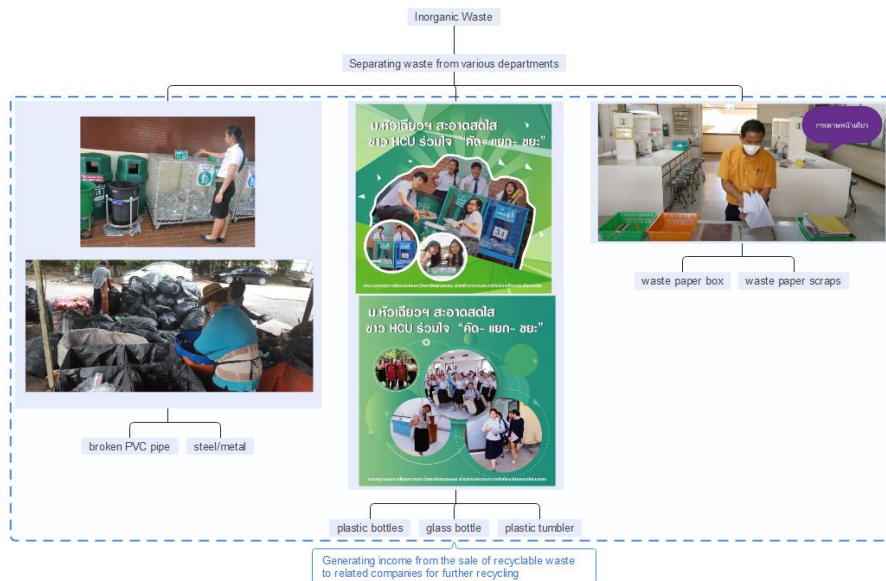
All organic waste was used for treatment/re-use as follows:



Organic waste treatment/reuse

## Inorganic waste

All inorganic waste was used for treatment/re-use as follows:



Inorganic waste was used for treatment/re-use

## Electronic waste

All Electronic waste was used for treatment/re-use as follows:



Electronic waste was used for treatment/re-use

## Organic Waste Treatment

Organic waste is mostly produced by the university staff and students' activities that will generate a lot of waste and affects sustainable environment. Organic waste comes from 1) cooking in the kitchen, vegetable and fruit peels, and meat waste 2) food consumption, and food waste 3) dry leaves waste 4) fresh leaves waste 5) other waste such as large branches. Waste treatment policy can be created in a various way, as shown in the flowchart. The percentage of organic waste treatment in the university is around 88%, which was obtained by dividing the total amount of organic waste treated in tons (40.68) by the total amount of total organic waste in kilograms (46.45).

Total volume organic waste produced (tons)	46.45
Total volume organic waste treated (tons)	40.68
% volume organic waste treated	87.57

Percentage of organic waste treatment

## Inorganic Waste Treatment

The university has inorganic waste such as paper, plastic, glass bottles, iron/metal, UHT milk cartons. These are managed by defining the point of disposal, collecting, sorting, and selling to related companies for further recycling. However, garbage (solid wastes) that cannot be sold, such as plastic wrap for snacks, plastic bags contaminated with food waste. After being sorted, they will be gathered in black bags and sent to the Sub-district Administrative Organization for further storage and management. The percentage of Inorganic waste treatment per total Inorganic waste volume is 100.

Total volume inorganic waste produced (tons)	296.96
Total volume inorganic waste treated (tons)	296.96
% volume Inorganic waste treated	100

Percentage of inorganic waste treatment



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

### 2.13

The university's total carbon footprint (CO<sub>2</sub> emission in the last 12 months) was 4,079 metric tons divided by total population (8,024 persons) yielded 0.51 metric tons per person.

For the number innovative program(s) in energy and climate change, the university employs seven programs. Our innovations that emerge involve saving energy and resources in order to participate to mitigating global warming and climate change. These innovations represent the reduction of student's fuel consumption for traveling from home to university, the reduction of paper use, the reduction of daily plastic use and environmental protection, and environmental conservation which include the following details:

1. The invention of the innovative bike for collecting leaves within university by Building Division (Routine to Research Project).
2. HCU VR Zone and their instruments in our green library for learning of staffs and students. The development of digital transcripts by the graduation department, Registry and Processing Office.
3. E-Tracking System Program for Procurement Document Tracking, a system for tracking the status of procurement document work (Developed by Ms.Prawee Palakkul, Digital for Education Center).
4. E-Assess System Program for Performance Evaluation, a system for evaluating the performance of personnel (Developed by Ms. Prawee Palakkul, Digital for Education Center) Development of a real-time status display for dormitory students by the student dormitory department.
5. E-Booking System Program for Meeting/Seminar Room Reservations, a room reservation system for staff and students at the Information Resource Center (Developed by Ms.Prawee Palakkul, Digital for Education Center).
6. TCHAMIC (Thai - Chinese Herbal Medicine Information Center) Data Recording System Program, a system for recording Thai - Chinese herbal medicine data at the Thai - Chinese Herbal Medicine Information Center (Developed by Ms. Prawee Palakkul, Digital for Education Center).

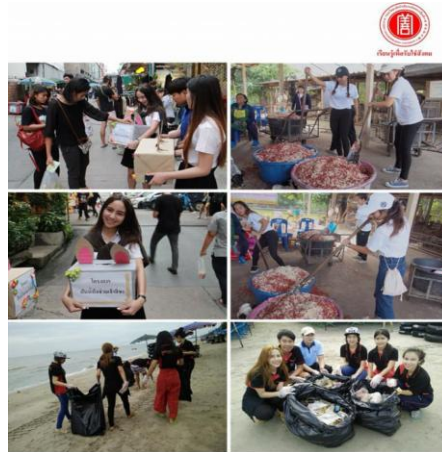


CONSERVE AND SUSTAINABLY USE THE OCEANS, SEA AND MARINE RESOURCES FOR SUSTAINABLE DEVELOPMENT

2.14

### Marine Life Rescue

This activity involves volunteers from all 13 faculties of the university. It is both a fund drive and cleaning drive activities that is aimed at decreasing pollution along the seashore.



กิจกรรมเพียบไม่มีเบื่อนะครับบบ

### Garbage Segregation

#### Garbage Segregation for Better Waste Management

This activity is conducted three times a year before the beginning of the semester to promote awareness for the incoming freshmen and to remind older students of their role in preventing climate change by helping segregate garbage as they throw it in the bin. The actual implementation is managed by the student-head of the class to make sure it is actually implemented.



ขยะต้องการที่อยู่ 🤔  
"โปรดทิ้งให้ถูกที่ ชี้ให้ถูกทาง"

## EcoLife Promoters



This activity is managed, maintained and facilitated by the university student council with volunteers from different faculties facilitating and joining the weekly activities. The activity is conducted during breakfast and lunch when many people (students and staff) are in the canteen enjoying their meals. The EcoLife Promoters specifically promotes awareness for avoiding single-use plastics.

## 2.15



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

Huachiew Chalermprakiet University Bangplee Campus (HCU1 & HCU2) has a total area covered in forest vegetation of 63,514 m<sup>2</sup>. The ratio of the area covered in forest vegetation to the total area is 15.87%.

In 2023, the university has a plan to manage the green space of the university. The annual plan is to plant trees to replace dead or damaged trees to keep the university green and shady throughout the year, and tree planting activities to increase green space, including tree planting activities at HCU Healthy Campus on July 24, 2023, the university held a tree planting activity, which is one of the activities to highlight the importance of tree planting and provide opportunities for students, staffs, and administrators to plant trees to raise awareness of participatory green space preservation, with 45 trees are *Tecoma Stans (L.) Kunth* and 5 *Madhuca esculenta* H.R. Fletcher. trees are planted, representing approximately 200 m<sup>2</sup>. (<https://www.hcu.ac.th/event/1069>)



Tree planting activity to increase the green area of the university on July 24, 2023

In addition, the university has various activities to promote the increase of green areas to the surrounding communities. For example, Mangrove Forest planting event on April 1, 2023 by students and lecturer from the Faculty of Public Health and Environment Planting trees with personnel from the Public Health and Health Sciences Students Union of Thailand at the Royal Thai Army Nature Education Center by planting mangrove trees. The type of tree that is planted is mangrove tree.

Total area on campus covered in planted vegetation of = 102,135.5 m<sup>2</sup>. With the total area of 400,114 m<sup>2</sup>, the university has the ratio of the planted vegetation area to the total area of 25.53%.

### **Community Tree-planting**

Huachiew Chalermprakiet University conducts tree planting activities together with its students to inculcate in the minds of the students the importance of watershed and to help combat global warming. Tree-planting activities are quite common in the university, given its determination to help provide a greener and cleaner environment. In the image below, the tree-planting activity was conducted near a temple.



### **Conservation: plant, animal, food and agriculture secured**

In academic year 202, Huachiew Chalermprakiet University has announced the university's sustainable development policy. The aim is to promote landscape management within the university to create ecological balance, which will lead to the conservation of plant and animal species living on campus to be able to sustainably live and ensure stability and biodiversity. The plan to implement the project for plant and animal conservation is included in the action plan and assigned to the Building Division, Financial Affairs Department and Faculty of Public Health and Environment to jointly implement the project according to the plan as shown in Table 5.

**Table 5** Action plan for plant and animal conservation 2021-2023 (Medium-Term Project)

	Project/Activity	academic year			
		2021	2022	2023	
1	Animal Conservation Projects				Division of Buildings
	1.1 Explore bird species on campus		←→		
	1.2 Explore wildlife on campus			←→	
2	Plant Conservation Project				Division of Buildings
	2.1 Explore tree species on campus			←→	
3	Food Safety Project				Financial Affairs Department
	3.1 Growing fruits and vegetables without pesticides and chemicals	←→			
	3.2 Sell organic fruit and vegetable products	←→			
4	Water Resources Conservation Project				Division of Buildings
	4.1 Improve water quality in the pond			←→	
5	Community Reforestation Project for Plant and Animal Conservation (Local Community)				Faculty of Public Health and Environment
	5.1 Mangrove Forest planting volunteers to increase green space			←→	

### Animal Conservation Projects

To achieve and sustainable animal conservation. The university has a project to promote sustainable bird learning and bird conservation within the campus as the diversity of bird species can indicate the integrity of green spaces and the university's ecosystem. In 2023, a sign birds found on campus will be created in addition to those found on campus in 2022 and data on all bird species surveyed on campus as a database to monitor the university's ecological condition.



Students scan signs to educate about birds found on campus.



### Elected Representation

Huachiew Chalermprakiet University promotes democracy and recognizes that the presence of an independent Supreme Student Council or Union helps in providing governance input, provides support for students, and provides support and conduct of social activities. Student Committee Election Project Faculty of Science and Technology Academic year 2023



During the students’ electoral process, HCU encourages all bonafide students to exercise their rights of suffrage or the right to choose the people who would lead them.



The new top officials of the Huachiew Chalermprakiet University Supreme Student Council are presented below

### Lawmakers' Outreach Services/Free Legal Services for Stakeholders

Ease your suffering with the Legal Advice Center for Citizens Faculty of Law Huachiew Chalermprakiet University. Questions such as “Can I claim compensation from a third party?” Community issues such as problems with small houses or third-party houses, family issues and the like.

Ajarn Sirinphon Tharamat, law practitioner and lecturer at the Faculty of Law, Huachiew Chalermprakiet University can be consulted free of charge through the Legal Advice Center for the Public of the Faculty of Law, Huachiew Chalermprakiet University. Tel. 02-713-8100 ext. 1689.



### Proportion of Graduates of in Law and Civil Enforcement

In its mission to support good governance as well as an ethical and moral society, Huachiew Chalermprakiet University has continually identified areas it can serve for the betterment of the society. The table below shows the graduates in law and civil enforcement in the past three years.

<b>Degree/Academic Year</b>					
<b>2023 Total</b>	<b>2022 Law &amp; Civil Enforcement (%)</b>	<b>2024 Total</b>	<b>2022 Law &amp; Civil Enforcement (%)</b>	<b>2025 Total</b>	<b>2022 Law &amp; Civil Enforcement (%)</b>
1336	100 (7.49%)	1360	153 (11.25%)	1330	164 (12.33%)

From the table, it can be seen that in the past three academic years, there were increasing percentage of graduates in the law and civil enforcement area.

## 2.17



### **Relationships to Support the Goals**

Huachiew Chalermprakiet University (HCU) is a member of the Association of Southeast Asian Institutions of Higher Learning (ASAIHL). ASAIHL officials and members hold meetings several times a year to discuss various issues related to higher education and how to address world issues such as those raised Sustainable Development Goals of the United Nations. ASAIHL officials and members hold meetings several times a year to discuss various issues related to higher education and how to address world issues such as those raised Sustainable Development Goals of the United Nations.

Through this partnership, HCU can have direct involvement in, or input into, national government or regional non-government organizations SDG policy development - including identifying problems and challenges, developing policies and strategies, modelling likely futures with and without interventions, monitoring and reporting on interventions, and enabling adaptive management.

Below are the meetings attended by Huachiew Chalermprakiet University for Academic Year 2022-2023, with the arrow showing the location of Huachiew Chalermprakiet University Official participating the meeting and the logo of ASAIHL.



สำนักงานเลขาธิการ สอ.ประเทศไทย

เลขที่ 328 ชั้น 3 อาคารสำนักงานคณะกรรมการการอุดมศึกษา ถนนศรีอยุธยา แขวงทุ่งพญาไท เขตราชเทวี กรุงเทพฯ 10400

Office of Secretariat, Association of Southeast Asian Institutions of Higher Learning of Thailand.  
328, 3<sup>rd</sup> Floor, Office of The Higher Education Commission Bld., Sri-Ayuthaya Road, Thung Phaya Thai, Ratchathewi, Bangkok 10400  
Tel. (662) 126-5111 E-mail : Contacts@scupt.net

ที่ สอ. ๖๖/๖๐๐๕๔

๑๑ เมษายน ๒๕๖๖

เรื่อง ขอเรียนเชิญเข้าร่วมการประชุมสามัญสมาคมสถาบันการศึกษาชั้นอุดมแห่งภูมิภาคเอเชียตะวันออกเฉียงใต้ ประจำปีประเทศไทย (สอ.ประเทศไทย) ครั้งที่ ๑/๒๕๖๖

เรียน อาจารย์ ดร.โจนาธาน รันเต คาร์ร็อน

- สิ่งที่ส่งมาด้วย ๑. กำหนดการ
- ๒. ลิงก์แบบตอบรับเข้าร่วมประชุม

ตามที่สมาคมสถาบันการศึกษาชั้นอุดมแห่งภูมิภาคเอเชียตะวันออกเฉียงใต้ ประจำปีประเทศไทย (สอ.ประเทศไทย) ได้กำหนดการประชุมสามัญ สอ.ประเทศไทย ครั้งที่ ๑/๒๕๖๖ นั้น

ในการนี้ ทปอ. ขอเรียนเชิญท่านเข้าร่วมประชุมสามัญสมาคมสถาบันการศึกษาชั้นอุดมแห่งภูมิภาคเอเชียตะวันออกเฉียงใต้ ประจำปีประเทศไทย (สอ.ประเทศไทย) ครั้งที่ ๑/๒๕๖๖ ในวันอาทิตย์ที่ ๓๐ เมษายน ๒๕๖๖ เวลา ๐๘.๓๐ น. ณ ห้องพระปกเกล้า อาคารเอกนิทัศน์ มหาวิทยาลัยสุโขทัยธรรมาธิราช และขอความอนุเคราะห์ท่านตอบรับเข้าร่วมการประชุมมายังฝ่ายเลขานุการ สอ.ประเทศไทย ได้ที่ [http://www.asaihl.org](#) หรือตาม QR Code ที่ปรากฏ ภายในวันที่ ๒๑ เมษายน ๒๕๖๖

จึงเรียนมาเพื่อโปรดพิจารณาเข้าร่วมประชุมฯ ตามวัน เวลาและสถานที่ดังกล่าว จักขอขอบคุณยิ่ง

ขอแสดงความนับถือ

[Signature]

(รองศาสตราจารย์เกียรติคุณ ทงษ์วิทย์การ)  
รักษาการเลขาธิการ สอ.ประเทศไทย

Dr. Jonathan Rante Carreon  
VP Academics, Huachiew  
Chalermprakiet University

This regional organization looks not only on higher education issues but also issues related to the immediate concerns of society such as creating policies, models, identify problems and challenges that are related to the attainment of the UN’s Sustainable Development Goals through the help of Higher Education Institutions. Examples of projects discussed in meetings and conferences shown below.

**THE ASSOCIATION OF SOUTHEAST ASIAN INSTITUTIONS OF HIGHER LEARNING**

7<sup>th</sup> Floor, Ministry of Higher Education Science Research and Innovation (MHESI) Building  
328 Sri Ayuthaya Road, Phaya Thai, Ratchathewi, Bangkok 10400, Thailand

Email: [asahl1956@gmail.com](mailto:asahl1956@gmail.com)  
Website: <http://asahl.stou.ac.th>

ASAIHL Ref. No. 200/2022  
13 June 2022

Dear Rectors, Vice-Chancellors and Presidents,

Subject: Invitation to attend the ASAIHL Conference 2022

I am writing this email to invite you to attend the upcoming ASAIHL Conference in Warsaw, Poland. The details are as follows:

**Date:** 26-28 September 2022  
**Theme:** Bridges for Science and Education: Cooperation, Trust, Openness and Creativity in Globalized World  
**Sub-themes:**  
 1. Cooperation: inter-universities educational programs  
 2. Pandemic Situation and Higher Education: Challenges and Solutions  
 3. Openness: a cross-cultural workshop - how to understand each other?  
 4. Creativity: cross-disciplinary and / or interdisciplinary research?  
**Organizer:** Faculty of Oriental Studies, University of Warsaw, Poland  
**Venue:** The University of Warsaw, ul. Dobra 55, Hall 1007/1008  
**Conference Website:** <http://asahl.uw.edu.pl/>  
**Contact email:** [asahl@uw.edu.pl](mailto:asahl@uw.edu.pl)  
**Registration Dateline:** extend to 12 July 2022  
**Traveling to Poland:** There are no restrictions regarding traveling to Poland connected with the

Invitation letter for attending ASAIHL Conference in Poland

ASAIHL Association <asahl1956@gmail.com>  
 To: ASAIHL Association <asahl1956@gmail.com>  
 Cc: Ninnat Chanvoravuth <ninnat@gmail.com>, Ninnat Chanvoravuth <ninnat.o@phua.ac.th>, +1 other  
 Tue 14/06/2022 9:19 AM

Invitation letter for attending...

Dear Rectors, Vice-Chancellors and Presidents,

Please find attached herewith the invitation letter from Dr. Ninnat Chanvoravuth, Secretary-General for attending the ASAIHL Conference in Warsaw, Poland.

We hope to see you at the upcoming ASAIHL Conference in September.

Best regards,

Asst. Prof. Dr. Suchin Horavichawong  
 Deputy Secretary-General of ASAIHL

Reply Reply all Forward

## Miscellaneous and Others

The university signed an agreement with EAUC to collaborate closely in gathering data on addressing the SDGs. **The full Sustainability Report of Huachiew Chalermprakiet University can be accessed here:**

<https://www.sustainability.hcu.ac.th/wp-content/uploads/2022/11/Sustainability-Report.pdf>

### Other Reports

Please find below the link to other annual sustainability reports of Huachiew Chalermprakiet University. The gathering and reporting of data was in collaboration with SDG Accord and published on the Sustainability Exchange website:

Annual SDG Accord Report 2024

[file:///C:/Users/User/Downloads/2024\\_sdg\\_accord\\_progress\\_report\\_1%20\(3\).pdf](file:///C:/Users/User/Downloads/2024_sdg_accord_progress_report_1%20(3).pdf)

More than a university project

[https://www.sustainabilityexchange.ac.uk/ckfiles/0\\_SDG\\_ACCORD\\_CASE\\_STUDIES\\_2024/CS47\\_SDG\\_2024\\_case\\_study\\_Huachiew\\_Chalermprakiet\\_University\\_More\\_than\\_a\\_University.pdf](https://www.sustainabilityexchange.ac.uk/ckfiles/0_SDG_ACCORD_CASE_STUDIES_2024/CS47_SDG_2024_case_study_Huachiew_Chalermprakiet_University_More_than_a_University.pdf)

International Skills Training

[https://www.sustainabilityexchange.ac.uk/ckfiles/0\\_SDG\\_ACCORD\\_CASE\\_STUDIES\\_2024/CS46\\_SDG\\_2024\\_case\\_study\\_Huachiew\\_Chalermprakiet\\_University\\_Case\\_Study\\_Health\\_Training.pdf](https://www.sustainabilityexchange.ac.uk/ckfiles/0_SDG_ACCORD_CASE_STUDIES_2024/CS46_SDG_2024_case_study_Huachiew_Chalermprakiet_University_Case_Study_Health_Training.pdf)

<https://sustainability.hcu.ac.th/>

<https://sustainability.hcu.ac.th/research-project/>