

ANNUAL REPORT WALAILAK UNIVERSITY



Fiscal year 2022

School year 2021



มหาวิทยาลัยวลัยลักษณ์ ได้รับการจัดอันดับโลก โดย TIMES HIGHER EDUCATION



“ความมุ่งมั่นที่เป็นจริง ของพวกเราชาว ม.วลัยลักษณ์”

Message from the president

According to Walailak University has prepared a 20-year strategic plan (2018-2037) to be used as a framework for operating to achieve the goals with efficiency, set the ultimate goal of being "Leading Comprehensive Research University of the Country" and being the 1-100th range worldwide university within 2027.

From a 20-year strategic plan to implementation throughout the 5-year period (2018-2022) that showing the achievements and rapid development of the university. Regarding research and world rankings, Walailak University participated in the Reinventing University initiative by the Ministry of Higher Education Science Research and Innovation and has been categorized in the Strategic Group one for Global & Frontier Research Development. Up to date, Walailak University researchers have successfully published in international journals indexed in Q1 and Q2, with numerous studies being among the top 3 rankings in Thailand. Reflecting the quality of its lectures and researchers from Walailak University. As a result, Walailak University received its first global ranking from THE Impact Ranking in 2021 and received the world ranking from QS ASIA University Ranking for the first time in 2022. All of these successes and prides are the fruits of the hard work of all Walailak University members for joining hands to promote the university into the internationally university.

However, we are still striving to go further. Today, Walailak university is ranked world's top university. If our research results increases, we strongly believe that the world ranking will continue to improve. In addition to research development, the university still focus on the development of its work and closely monitors its performance in order to achieve the goals according to each strategic issue that is set out to be evident in the future.



Prof. Dr. Sombat Thamrongthanyawong
President of Walailak University



CONTENTS

Message from the president

Background Information

University Development	2
Vision Mission Commitments	4
Administration Structure	6
University Council Board	8
University Administrators	11

Operational Report

Strategy 1	15
Strategy 2	28
Strategy 3	36
Strategy 4	46
Strategy 5	54
Strategy 6	56
Strategy 7	69
Strategy 8	73
Strategy 9	79

Appendix

Statistics	84
Financial Report	87
Editorial	89

 Walailak University
 222 Thaiburi ,Thasala
 Nakhon Si Thammarat
 80161

 66-7567-3000

 <https://www.wu.ac.th/>

Background Information

Walailak University is a state university. The late king, His Majesty King Bhumibol Adulyadej The Great (King Rama IX), graciously bestowed the name "Walailak University", which is part of the name of His Majesty's youngest daughter, Her Royal Highness Princess Chulabhorn Walailak (Her Royal Highness Princess Chulabhorn Krom Phra Srisavangavadhana). The University was established as a result of the passage of the Walailak University Act B.E 2535 in 1992, providing for a comprehensive university offering a wide range of degree programs at undergraduate and postgraduate levels in diverse disciplines including social sciences, science and technology, and health sciences. The campus has been developed to be a residential university, equipped with modern educational infrastructure and facilities, set in a beautiful and pristine environment conducive to learning.



SETTING AND INFRASTRUCTURE



ENERGY AND CLIMATE CHANGE



WASTE



WATER



TRANSPORTATION



EDUCATION AND RESEARCH

UI GREENMETRIC WORLD UNIVERSITY RANKINGS 2022

"COLLECTIVE ACTION FOR TRANSFORMING
 SUSTAINABLE UNIVERSITIES IN THE POST-PANDEMIC TIME"



University Symbols



University Coat of Arms

The heraldic design incorporates a coronet in the center above the two Thai alphabets, one in orange and the other in white against a purple background. The coronet and letters represent Her Royal Highness Princess Chulabhorn Walailak in whose honor the University is named. The shield is framed with a gold-fringed white ribbon on which is inscribed the name of the University in Thai.

University Colors: Orange and Purple

Orange is the color for Thursday which is the day of the week on which Her Royal Highness Princess Chulabhorn Walailak was born.

Purple is the official color of Nakhon Si Thammarat Province in which the University is located. The provincial color is derived from the personal color of Phra Rattanatachamuni, Abbot of Thapoh Temple and famous educational reformer and innovator of the Southern Region of Thailand in the reign of King Rama V, who is locally regarded as the pioneer of modern education in the south.



Pradu Tree (*Pterocarpus indicus* Willd)

The natural symbol of the University is the shady Pradu Tree which grows in abundance in the southern forests. In Nakhon Si Thammarat City, there used to be a grove of Pradu trees growing in the area known as "Sala Pradu Hok" in front of the official residence of the provincial governor.

WU Statement of Intent

Walailak University strives to generate new knowledge through research to achieve academic excellence in order to produce intellectually and ethically competent graduates who will be able to make a positive contribution to the progress and development of society and mankind. The process of producing graduates with both intellectual skills and moral integrity places special emphasis on the importance of:

- being well-informed modern citizens with an international outlook towards both a democratic nation and the globalized world;
- acquiring the highest level of scholarship and professional skills for practical and efficient application to the world of work and everyday life;
- possessing a well-developed sense of moral goodness and responsibility as well as high ethical standards for working and living in society as worthy and morally upright citizens.

Walailak University Timeline 1991-2022

1991 : The government approved the establishment of a new university in Nakhon Si Thammarat

1992 : His Majesty King Bhumibol Adulyadej The Great (King Rama IX) conferred the name "Walailak University" and signed the Walailak University Act B.E. 2535

1996 : Her Royal Highness Princess Chulabhorn Krom Phra Srisavangavadhana presided over the Foundation Stone Laying Ceremony at Thasala District, Nakhon Si Thammarat



1998 : The first intake of undergraduate students to enroll at Walailak University 2545

2002 : Her Royal Highness Princess Chulabhorn Krom Phra Srisavangavadhana presided over the first graduation ceremony

2005 : Graduation of the first batch of doctoral students: the first year of graduation of students at all degree levels (Bachelor's, Master's, and Doctoral)

2008 : The first intake of medical students

2014 : Graduation of the first batch of medical students

2015 : Commenced construction of Walailak University Medical Center

2017 : Established Walailak University International College of Dentistry, Akkharatchakumari Veterinary College and Walailak University International College

2018 : Established College of Graduate Studies

2019 : Construction of Walailak University Medical Center Phase 1 completed



2020 : Intake of undergraduate students reached 99.96% of the target, or 2,478 of 2,479—record high since the University started admitting students

2021 : Walailak University was listed in THE Impact Rankings for the first time by THE Impact Rankings 2021, the World University Ranking organization from the United Kingdom. Walailak University continuously carries out tasks based on the United Nations' Sustainable Development Goals (SDGs). The university has submitted information about the SDGs in 7 indicators out of a total of 17 indicators and the evaluation result suggested the rank 601-800 globally and 15th place in Thailand.

2022 : • Walailak University has been ranked in the QS ASIA University Rankings for the first time, securing a position within the 551-600 range globally and 19th in Thailand.

• Walailak University achieved a student admission rate of 141.81%, accepting up to 3,880 new undergraduate students out of the targeted 2,736, marking the highest intake since the university's inception.

• Offering the Bachelor of Education program with 10 major subjects, initiating admissions for the academic year 2023 as its inaugural year.

Vision

Good governance
Community orientation and services

Learning organization for all
International recognition for excellence

Mission

Walailak University aiming to offer worthwhile and international excellence in every profession, develop innovative operations to actualize the commitments and effectively manage unique and potential human capital and assets for global competition and changes. The university is also aware of the importance of creating well-being society and a happy organization following the principles of sustainable economy.

Commitments

1. To lead on the high level training of students based on world standards, consistent with the socio-economic development of the South of Thailand and Thailand as a whole;
2. To conduct studies, research in order to develop new knowledge that can be of benefit to national productivity, and can help enhance the international competitiveness of Thailand;
3. To provide and share expertise and technical services to organizations, both private and government sectors, including research and training and technological transfer in areas that can help develop the region and country;
4. To act as a center for the conservation and restoration of art and culture.

Core Values

W A L A I L A K is shortened from

W – Wisdom
A – Advancement
L – Loyalty
A – Altruism
I – Integrity
L – Lean
A – Accountability
K – Knowledge Sharing

Identity

Graduates with knowledge along with practical application,
Perseverance Skills in arts and technology, and Ethics

Ultimate Goals

‘Leading Comprehensive Research University of the Country’

20-year Strategy

- Strategy 1 :** Developing research excellence, academic service and the preservation of arts and culture in support of the development of the country
- Strategy 2 :** Organizational Development and Human Capital Management toward a High-Performance Organization
- Strategy 3 :** Reform teaching and learning by utilizing modern models and technologies for internationalization
- Strategy 4 :** Creation and development of graduate quality in response to the National Strategy
- Strategy 5 :** Promote the image as a Happy Green University city
- Strategy 6 :** Forging a cooperation network with external agencies for the development of the university
- Strategy 7 :** Property management of the university to increase potential and the ability to compete
- Strategy 8 :** Development of Walailak University Hospital to be recognized for high potential and ability to serve as a pillar of the health of the people in the southern region
- Strategy 9 :** Develop the potential of students in sports and health

WALAILAK UNIVERSITY



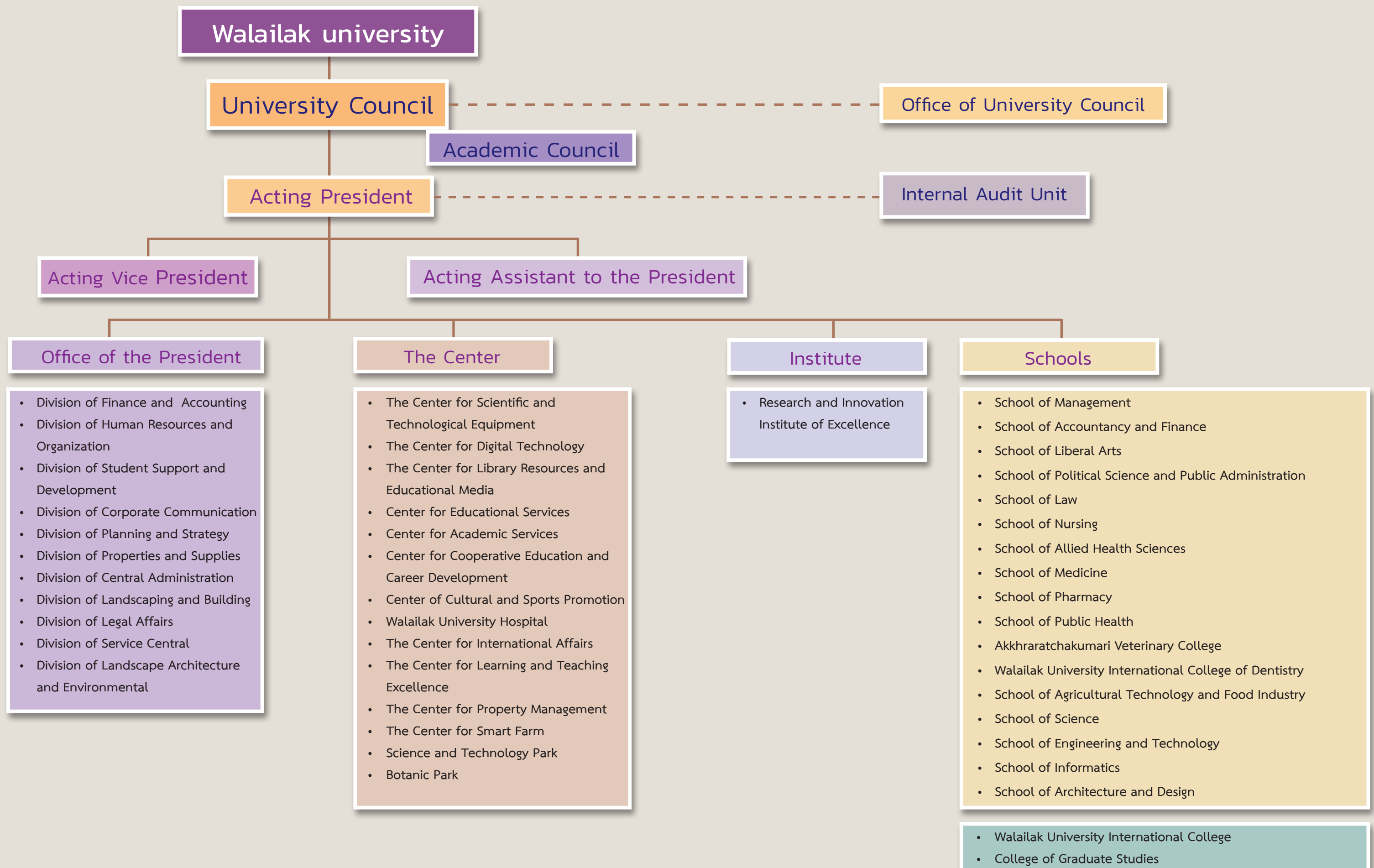
THE WORLD UNIVERSITY RANKINGS
RANKED 2022 601–800

3 BEST AREAS



www.timeshighereducation.com

Administration Structure



University Council Board



Chairman
Mr. Teerachai Chemnasiri



Vice- Chairman
(Acting Chairman)
Khunying Supatra Masdit

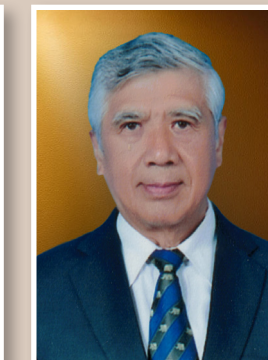


Professor Dr. Sombat Thamrongthanyawong
(President)

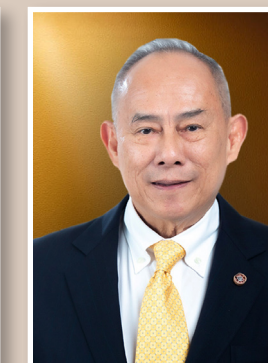
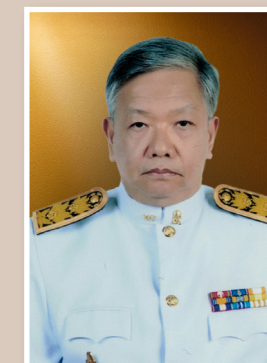
Honorary Committee



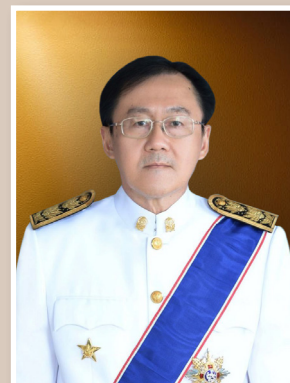
Dr. Krisada Sektrakul
Mr. Boonchu Prasopkijthavorn
Professor Wuttichai Thanapongsathorn, MD.
Sukhum Kanjanapimai, MD.
Prof. Dr. Apichart Vanavichit



Khunying Supatra Masdit
Mr. Ruchatit Suchato
Professor Dr. Udom Tumkosit



Professor Dr. Supachai Yavaprabhas
Mr. Sirote Swasdipanich
Mr. Sutin Pornchaisuree



Academic Senate Committee

Prof. Dr. Sittichai Koontongkaew

Prof. Dr. Surasit Vajirakachorn



Faculty Members Committee

Assoc. Prof. Dr. Urai Jaraeprapal

Assoc. Prof. Dr. Charuai Suwanbamrung



Council Secretary

Asst. Prof. Dr. Padungsak Suksa-Ard

(Vice - President for University Council Secretary)



Associate Secretary

Mr. Banjongwit Yingyong

(Head of University Council)

University Administrators



President

Prof. Dr. Sombat Thamrongthanyawong

Vice - Presidents

Prof. Dr. Wanna Choorit

Prof. Dr. Tawadchai Suppadit

Assoc. Prof. Dr. Surin Maisrikrod

Assoc. Prof. Dr. Charun Bunyakan

Assoc. Prof. Dr. Suwit Wuthisuthimethavee

Assoc. Prof. Dr. Sarawoot Palipoch

Asst. Prof. Dr. Padungsak Suksa-Ard

Assistants to the President

Dr. Mongkol Teerananond

Asst. Prof. Dr. Wijitra Petchakit

Asst. Prof. Dr. Suthanya Doung-In

Asst. Prof. Dr. Fareeda Jeh-oh

Mr. Somporn Silpsuwon

Asst. Prof. Dr. Nukul Sukswan

Asst. Prof. Dr. Warit Jawjit

Deans

Prof. Dr. Surasit Vajirakachorn	School of Political Science and Law
Assoc.Prof.Dr. Poonpong Boonbrahm	School of Informatics
Assoc. Prof.Dr.Siwarit Pongsakornrungsilp	School of Management
Assoc.Prof.Dr.Jitbanjong Tangpong	School of Allied Health Sciences
Assoc. Prof.Dr. Worawan Panpipat	School of Agricultural Technology and Food Industry
Assoc.Prof.Dr. Mullica Jaroensutasinee	School of Science
Assoc.Prof.Dr.Suratsavadee Koonlaboon Korkua	School of Engineering and Technology
Prof.Dr. Sombat Thamrongthanyawong	School of Architecture and Design
Assoc.Prof.Dr. Surin Maisrikrod	School of Liberal Arts
Asst.Prof.Dr. Urai Jaraeprapal	School of Nursing
Asst.Prof.Dr. Warit Jawjit	School of Public Health
Assoc.Prof.Dr. Mullica Jaroensutasinee	School of Languages and General Education
Assoc.Prof.Dr. Charun Bunyakan	School of Medicine
Dr.Jiraporn Chingunpitak	School of Pharmacy
Assoc.Prof.Dr. Phongpichit Channuie	College of Graduate Studies
Clinical Prof. Dr.Suvichai Rojanasathien	Akkhraratchakumari Veterinary College
Prof.Dr.Sittichai Koontongkaew	Walailak University International College of Dentistry
Assoc. Prof.Dr. Piboon Puriveth	Walailak University International College

Directors

Assoc.Prof.Dr. Siwarit Pongsakornrungsilp	Center for Property Management
Asst.Prof.Dr. Phuwadol Bangrak	Center for Scientific and Technological Equipment
Asst.Prof.Dr. Siwanath Nuntapichai	Center for Library Resources and Educational Media
Asst.Prof.Dr. Amonsak Sawusdee	Center for Academic Services
Asst.Prof.Dr. Patnarin Supakorn	Center for International Affairs
Asst.Prof.Dr. Poonsit Hiransai	Center for Teaching and Learning Innovation

Dr. Neeranat Kaewprasert Rakangthong
 Dr. Attanan Tachopisalwong
 Dr. Premrudee Noonsang
 Asst. Prof. Dr.Udomsak Saengow
 Mr.Uthai Klawkla
 Assoc.Prof.Dr. Thanongsak Imjai
 Asst.Prof.Dr.Marisa Poomiphak Na Nongkhai
 Asst.Prof.Dr. Anurak Thungtong
 Assoc.Prof.Dr Rungrawee Jitpakdee

Divisional Directors

Asst. Prof. Dr. Fareeda Jeh-oh
 Mr. Pipatpan Suwan-ougsorn
 Miss Hattakarn Karunpaisarn
 Mrs. Somporn Boonkiatedechakul

Mrs. Kobsuk Orachorn
 Mr. Piyawat Kong-intr
 Mrs. Sophida Phattong

Miss Jittana Noona
 Miss Orapin Chaiyapong

Mr.Thaweesak Ratanawongdech
 ACTING.CAPT. Sarawut Inpin
 Mr. Praiwan Kirdtongmee

Mr. Banjongwit Yingyong
 Mrs. Jutarat Taneerat

Center for Educational Services
 Center for Cooperative Education
 Center for Digital Technology
 Walailak University Medical Center
 Center for Smart Farm
 Institute of Research and Innovation
 Walailak Abode of Culture
 Science and Technology Education Park
 Botanic Park

Division of Corporate Communication
 Division of Planning and Strategy
 Division of Finance and Accounting
 Division of Human Resources and Organization
 Division of Student Affairs
 Division of Property and Supplies
 Division of Correspondence and General Affairs
 Division of Landscaping and Buildings
 Walailak University Coordination Unit, Bangkok
 Division of Legal Affairs
 Division of Central Administration
 Division of Landscape Architecture and Environment
 Office of Walailak University
 Internal Audit Unit

Strategy 1

Developing research excellence, academic service and the preservation of arts and culture in support of the development of the country

Report of the Performance Results for the Year 2022

According to the 20-Year Strategic Plan of
Walailak University (2018–2037)

Fiscal year 2022
(1 October 2021 – 30 September 2022)

I. Developing research excellence: The goal of stepping into the world ranking according to THE criteria, raising the world ranking higher than the year 2021

The university received its first global ranking from THE Impact Ranking 2021, placing in the 601-800 range worldwide and 15th in Thailand. For the year 2023, the university submitted its ranking for the second year, highlighting its achievements in 9 out of the 17 SDGs. The 2022 THE Impact Ranking positioned the university in the 601-800 range globally, with notable performance in three SDGs: SDG14: Life Below Water ranked 5th in Thailand, SDG2: Zero Hunger ranked 6th in Thailand, and SDG12: Responsible Consumption and Production ranked 8th in Thailand.

On November 9th, 2021, Prof. Dr. Sombat Thamrongthanyawong, President of Walailak University, submitted the 2nd THE Impact Rankings which was witnessed by esteemed individuals, including Assoc. Prof. Dr. Surin Maisrikrod, Vice President for Global Engagement and Faculty Development, and Assistant Prof. Dr. Patnarin Supakorn, Acting Director of Center for International Affairs (CIA) and Prof. Dr. David Harding, a former Deputy Director of Center for International Affairs. The submission highlighted the university's commitment to academic excellence and global engagement.

The university has implemented a policy requiring lecturers to focus on developing research published in the SCOPUS database, specifically targeting Q1 and Q2 levels with a 1:1 ratio. This strategic approach aims to enhance the institution's pursuit of becoming a World Class University. As a result of this initiative, the university has achieved notable rankings and recognition within the higher education landscape.



Walailak University submits to the THE Impact Rankings continuing on the path towards sustainability

According to the QS Asia University Rankings 2022, the university has been listed among the top 551st-600th Asian universities and has secured the 9th position among Thai universities. Additionally, the university's international standing has been acknowledged by the Times Higher Education Impact Rankings 2021 and 2022, with a rank ranging from 601st to 800th.

Moreover, the university's research performance has been assessed and recognized by the SCImago Institutions Rankings 2022, securing a Research Ranking of 422nd globally and ranking 9th within Thailand, including totaling 649 articles in SCOPUS database in the fiscal year 2022.



In the 2022 Times Higher Education Impact Rankings, Walailak University (WU) has made a substantial advancement globally, reaching the range of 101st-200th in two significant Sustainable Development Goals (SDGs), namely SGD 2: Zero Hunger and SGD 14: Life Below Water. The assessment conducted by Times Higher Education (THE) involved evaluating the university's performance across the United Nations' 17 SDGs. This notable achievement positions WU as the 6th and 5th among all 51 Thai universities concerning SDG 2 and SDG 14, respectively. This accomplishment emphasizes the university's ongoing commitment and active role in addressing critical issues related to food security, sustainable agriculture, and the responsible utilization and preservation of marine resources.

Despite 289 additional universities joining the rankings, Walailak University has managed to maintain its position in the range of 601st-800th. This outcome reflects a noteworthy improvement across all evaluated areas since the year 2021. Besides the SDG 2 and SDG 14, SDG 12: Responsible consumption and production, first submitted this year, is also one of best three Goals scoring highest, the 8th in Thailand. This confirms the university's commitment to serving local communities in the south of Thailand consistent with its motto,

“To be an institution of good governance, a source of knowledge for critical problems facing the nation, to unfailingly address community needs, and to strive for international recognition for excellence.”

Prof. Dr. Sombat Thamrongthanyawong, President of Walailak University, said, “This is the second time Walailak University submitted to THE for assessment on the extent to which we help our community. We are very proud with the level indicating our steady and unfailing commitment to improving our community. We are also very proud because our role to help local community has been recognized by the United Nations. This is the recognition of our role as a member of the international community. I thank WU staff for their dedication to improving the university's international recognition.”

According to the Impact Rankings released on 28th Thursday, 2022, a total of 1,406 universities globally with 291 more joining the assessment. In Thailand, a total of 51 universities submitted to be ranked with 16 more joining this year. The United Nations adopted the Sustainable Development Goals (SDGs) or the Global Goals in 2015, has the aim of eradicating poverty, promoting environmental conservation, and fostering peace and prosperity worldwide by the year 2030. For educational institutions, achieving higher positions in the SDGs Times Higher Education ranking serves as an indicator of their impact in terms of sustainability. According to the Times Higher Education Consultancy, Team's survey of the THE Student Pulse Panel in 2021, sustainability plays a crucial role in attracting prospective Generation Z students to educational institutions.

Developing quality of research publications to be in Q1 and Q2 level at least 80 percent or more

Walailak University has been actively supporting the publication of research articles in Scopus-listed journals (Q1 and Q2 levels) by sponsoring publishing fees and providing language proofreaders. These initiatives align with the funding guidelines from the Thailand Research Fund (TRF). New lecturers can apply for research scholarships within 7 days and research project progress is monitored continuously. In addition, Research Project Proposal Development Support Unit has been established to support faculty members/researchers to be able to develop research project proposals. In the fiscal year 2022, there have been a total of 509 articles published in the Scopus database, Q1 and Q2 level from a total of 649 articles published, representing 78.43%.



Recently, Elsevier, SciTech Strategies, Inc., and Stanford University jointly released the 2021 Stanford University list of the World's Top 2% Scientists. The list comprises over 100,000 researchers from 22 major disciplines and 176 sub-disciplines, recognizing their outstanding contributions to the field of academia.

To foster continuous research development, the university has undertaken various initiatives. These include the establishment of a Center of Excellence to cultivate a group of distinguished researchers capable of producing high-impact research within the academic community. The university's graduate programs at both master's and doctoral levels are designed in accordance with The Ministry of Higher Education, Science, Research and Innovation's Reinventing University framework, serving as operational criteria and guiding research direction. To further augment research quality and international visibility, the university employs the World University Ranking System as an operational tool. This involves adopting criteria from renowned ranking entities such as Times Higher Education (THE), SCImago Institutions Rankings, and Nature Index Ranking.

Research and Innovation Institute of Excellence collaborated with the National Research Council of Thailand (NRCT) has organized the project "Create a new generation of researchers", generation 2 for the fiscal year 2022 between 30th of May - 3rd of June 2022, to create a new generation of researchers have knowledge and research experience responses the national strategy.

highlighted that TH Sarabun had been widely used by organizations in Thailand. These organizations were well-known for consuming large amounts of ink each year. As a result, he and Dr. Chirawat Wattanapanich, along with a team of researchers from Walailak University's School of Engineering and Technology, devised a strategy to create an ink-saving Thai typeface, focusing on the use of as little ink as possible while maintaining text crispness.

Associate Prof. Dr. Potjamarn Suraninpong, a plant science researcher from the School of Agricultural Technology and Food Industry at Walailak University, along with her research team, made a significant discovery. They identified two new *Nepenthes* species, which have been officially recognized as "the new species" and published in the *Kew Bulletin*, the official journal of the Royal Botanic Gardens in Kew, England. This research showcases the university's contributions to the field of plant science and highlights its commitment to advancing scientific knowledge.

Walailak University scholars produced the Thai Eco Front as a means of sustainable printing. They noted that the typeface was created by reducing the amount of space within the letter, saving up to 30% on ink while maintaining the same clarity. Furthermore, it was copyrighted with Thailand's Department of Intellectual Property. Researchers at Walailak University have successfully developed the Thai Eco Font for Sustainable Printing, offering ink-saving benefits of up to 30%. Assistant Prof. Dr. Thanongsak Imjai, a lecturer at the School of Engineering and Technology at Walailak University,

Assoc. Prof. Dr. Warin Intana, Acting Dean of the School of Agricultural Technology and Food Industry at Walailak University, and his team achieved a significant milestone in the field of innovation. The research team participated in the "Trichoderma 5 Plus" (International Standard Biological Products) contest and successfully advanced to the finals of the prestigious "7 Innovation Awards 2021" on October 21st, 2021 as part of the event "Thailand Synergy for Thai SMEs 2021." The competition attracted a total of 149 entries from researchers, SMEs, and startups nationwide.

Asst. Prof. Dr. Kessara Seneesrisakul, the Acting Head of the Petrochemical and Polymers Department at the School of Engineering and Technology, Walailak University, collaborated with a team of researchers from Chulalongkorn University. Together, they designed and tested a novel three-step ASBR (Anaerobic Sequencing Batch Reactor) wastewater treatment system for the purpose of biogas production from organic wastewater found in industrial plants, such as palm oil mills, cassava-extracted ethanol production plants, and cassava starch factories, among others.

II. Academic services

1. Enhance the research for Sustainable Development Goals (SDG) in accordance with the United Nations guidelines by The Center for Academic Services to be the mainstay

The Sustainable Development Goals (SDGs) serve as a comprehensive framework to guide countries in addressing global challenges and fostering a better world for all by the year 2030. These goals aim to eliminate poverty, stimulate economic development, reduce inequality, protect the environment, manage climate change, and promote peace and security.

The Sustainable Development Goals (SDGs) comprise 17 main objectives, and The Center for Academic Services is actively involved in promoting research for sustainable community development by implementing SDGs in five key areas. These areas are: Goal 2: Zero Hunger, Goal 3: Good Health and Well-being, Goal 4: Quality Education, Goal 14: Life Below Water and Goal 17: Partnership for the Goals. The Center for Academic Services has implemented academic service projects with the schools through social engagement projects and external funding projects. SDG stories are published through the SDGs website <https://cas.wu.ac.th/sdgs/sdgs/>.

2. Research and academic services for the strength of the community

The Center for Academic Service forged cooperation with academic institutions and external university networks, both public and private, to carry out projects aimed at empirically improving the quality of life of the community according to the model of WU HAPPY TREE. Key performance results are as follows:

- **Career:** There are two significant projects that received the AIC Award for innovation from the Ministry of Agriculture and Cooperatives, and they have had a notable impact on the country's economy. The first project is focused on the restoration of blue crabs, while the second project is related to biological agriculture.

The blue crab bank in Nakhon Si Thammarat received a national award, showcasing its effectiveness in fostering economic growth and community development. The success of this project has resulted in the establishment of a model community learning center. These initiatives have proven to be valuable in strengthening both the local community and the agricultural sector, playing a crucial role in advancing Thailand's economic growth and sustainability.

- **Health,** In the upper southern region, there is a community project focusing on health enhancement and networking for the elderly in Nakhon Si Thammarat. The project encompasses 8,380 households as its target group and has led to the creation of a "Living Community Model in the Upper Southern Region," which serves as a learning area for other communities. Furthermore, there are other projects aimed at enhancing community health, including the development of herbal massage oil products and the rehabilitation of elderly bedridden individuals. These initiatives demonstrate the commitment of the region to promoting well-being and quality of life for its residents.

- **Environmental and Resources,** Walailak University has been continuously implementing a comprehensive water management project that addresses a range of water-related challenges, including floods, droughts, landslides, and sinkholes. The project is spearheaded by the university's dedicated team of academics. There is input data to the province to management of water resources in the area. This will be useful in planning water and disaster management in Nakhon Si Thammarat area. Furthermore, there have a Happy Sea Project to manage marine resources and create happiness for coastal communities, reduce and solve the problem of marine waste, raise community awareness, and create a network to take care of marine resources. The university's academics have designed and built a waste incinerator that has standards to help eliminate all types of waste in this area, including hazardous waste and waste from hospital.

- **Education,** ECEEP (Early Childhood Education Equity Project) is a program dedicated to promoting equity in early childhood education. It operates across 392 Child Development Centers under the subdistrict administrative organization in Nakhon Si Thammarat. During its second year of implementation, the project successfully fostered knowledge and understanding among educators, leading to significant positive changes in Wat Khok Lek Child Development Center (the pilot school). The project facilitated adjustments in teaching and learning styles and introduced innovative approaches to education. As a result, early childhood educational achievements witnessed improvement, and greater equality in access to education was achieved.

For performance of 2021, Students of Benjamarachutit School who participated in the YSC Young Scientist Contest by The Center for Academic Services, Walailak University cooperated with NSTDA recieved the 1st prize in Thailand and recieved the right to participate in the world-class competition at the United States of America.

- **Social and cultural,** The Thasala Graffiti Project is an initiative aimed at driving the development of Tha Sala towards becoming a model city for learning, travel, and a creative economy. This project aligns with the policy and tourism development goals of Nakhon Si Thammarat, with a specific focus on promoting awareness of the city as "Nakhon Si Thammarat City of Civilizations."

District page has been established on social media as a dedicated tool to support and promote Tha Sala tourism. This initiative has received a positive and enthusiastic response from tourists, leading to it becoming one of the most frequently mentioned places on social media and serving as a prominent landmark for the district. Augmented Reality (AR) technology is also used in 3D through the application. Additionally, The Thasala district has implemented Innovative Augmented Reality (AR) technology to enrich the visitor experience. By incorporating 3D AR technology into a mobile application, tourists can now explore Tha Sala in a captivating and interactive way. This tech-forward approach has gained significant attention and has helped establish the district as a cutting-edge and attractive destination for travelers.

The "Thasala District" or "Thasala Street Arts" project aims to showcase the rich history, way of life, culture, and abundant natural resources found in Tha Sala Bay, Nakhon Si Thammarat. This initiative is expected to serve as a significant attraction for travelers, enticing them to visit Nakhon Si Thammarat.

3. Enhance Walailak University to be a learning center for the community

The Center for Academic Services and Schools has collaborated with target community areas to develop and elevate the community to be a learning center in the following:

1. Development of an integrated sufficiency economy philosophy program The Center for Academic Services, in collaboration with the School of Languages and General Education, has developed innovative teaching and learning materials. These materials are aimed at fostering knowledge exchange and creating a network among schools within local communities. As a result, there have been significant positive impacts .1) **The Sufficiency Economy Philosophy Integration Program** for Chumchon mai School which has been expanded to 3 schools in Tha Sala District, helping to promote equal and quality education. 2) **The Sufficiency Economy Learning Center in the model school** (Chumchon mai school), the learning center model promotes Sufficiency Economy Philosophy in schools through learning services and experience sharing. As a result, it has received important awards, 1) Best Practice Award for Sufficiency Educational Institution Management by Nakhon Si Thammarat Primary Educational Service Area Office 4 2) The first runner -up provincial level awarded of young farmers by Nakhon Si Thammarat Provincial Agriculture Office and 3) Winner of the finalist evaluation as a "Sufficiency Economy Learning Center according to His Majesty's Science at the national level".

2. Project to the restoration of blue crab resources and raise the economy of coastal fishing communities Under the guidance of Assistant Prof. Dr. Amornsak Sawasdee, the School of Science collaborates with six institutions, including the Department of Fisheries, the Thai Frozen Food Association, and local fishermen. They have received funding from the National Research Council of Thailand (NRCT) and the Agricultural Research Development Agency (Public Organization) for the Blue Crab Bank project. This initiative is aimed at promoting sustainable practices in Nakhon Si Thammarat and Surat Thani, focusing on the responsible management of blue crab resources.

The Center of Academic Service established a learning center for the Blue Crab Bank to share knowledge and skills with the community. As a result of the project, there has been a significant increase in the number of blue crabs in the area. Previously, fishermen caught around 5 kilograms of blue crabs per day, but now the catch has increased to 10 - 15 kilograms, providing a stable source of income for the fishermen and fostering a strong community. Due to its success and sustainability, the project received three awards from the Community Crab Bank Contest by the National Research Council of Thailand.



Walailak University (WU) under collaboration with the National Research Council of Thailand (NRCT) has expanded the Blue Crab Bank Project to community tourism by launching Eat Crab Under the Moonlight Festival @Koh Phangan to boost the district's economic flow and increase the income of the locals hard hit by the pandemic.



Walailak University's Studies on Blue Crabs and Trichoderma 5 Plus, affiliated with AIC Center, Nakhon Si Thammarat, Win Two Innovation Excellence Awards in AIC Award 2022

Assoc. Prof. Dr. Warin Intana, a lecturer at the School of Agricultural Technology and Food Industry and the Head of Agritech and Innovation Center, Nakhon Si Thammarat, disclosed that the Ministry of Agriculture and cooperatives initiated the AIC Award 2022 project. This project aims to recognize outstanding projects and research that address the demands and needs for national development in the areas of economy, society, and the environment. The selection process attracted projects and studies from all over Thailand. Walailak University, through its affiliation with the AIC Center in Nakhon Si Thammarat, participated in the competition.

Official announcement released on 30 May 2022 testified to excellent research achievements of two Walailak researchers, Asst. Prof. Dr. Amornsak Sawasdee and Assoc.Prof.Dr. Warin Intana winning Excellence Award in Excellent Innovation Award, Economic Innovations and agricultural society respectively.

Science and Technology Park, The Technology Business Incubator program has been launched to provide support for research and development of innovative products in diverse business sectors. These sectors include healthcare and medical equipment, digital technology, agribusiness and agricultural processing, handicrafts and decorative items, as well as service businesses. The program aims to foster and develop entrepreneurs in four key areas: health promotion, marketing knowledge enhancement, product development, and packaging design.

1) Drive the university project to the sub-district according to the government's policy

Post-Covid Economy and Social Development Project with BCG Economy (U2T for BCG and Regional Development) or “University to Subdistrict U2T for BCG” Project, Walailak extends its coverage to 85 sub-districts in four provinces, namely Nakhon Si Thammarat, Surat Thani, Krabi, and Chumphon. This broad geographical reach aims to support and nurture aspiring entrepreneurs across these regions, fostering innovation and economic development in the specified provinces.

To enhance products and services within the community, the Office of the Permanent Secretary for Higher Education, Science, Research, and Innovation provided budget support amounting to 10,919,000 baht. As a result of this initiative, there has been a significant impact on the community, leading to the creation of employment opportunities for new graduates and individuals residing in sub-district areas. The total number of positions generated per month amounts to 776, with a budget of 9,312,000 baht per month. Throughout the project implementation period, the sub-district area has received a total budget of 27,936,000 baht.

The U2T project's implementation guideline emphasizes the integration of interdisciplinary studies and collaboration among relevant sectors. By working together within the targeted sub-district, the project aims to address community needs effectively and provide sustainable solutions.

III. The preservation of arts and culture

Development of the Toompang Ancient Site to be a learning center for youth and the general public

The university has actively shared knowledge about the ancient site of Toompang, situated within its premises, through various channels. Information about the site can be accessed on their website, brochures, and guided tours service. Moreover, the university has developed an application that virtually showcases ancient Toompang images, along with disseminating information and news about the preservation of arts and culture on their website. For further details and insights into this cultural endeavor, interested individuals can visit the website: <https://cultural.wu.ac.th>.

In the fiscal year 2022, the Center for Cultural and Sports Promotion took significant steps to enhance the ancient site of Toompang, transforming it into a vibrant learning destination. The center has envisioned establishing a dedicated learning center for arts and culture in the southern region, to be known as "Walailak Abode of Culture." The planned location for this cultural center is within the area of the ancient site of Toompang. To realize this ambitious project, the Center has secured an annual government statement of expenditure amounting to 39.9 million baht.

This funding will be allocated towards the construction of the building, facilitating the creation of a thriving cultural hub that will serve as a living source of learning, preserving arts, and celebrating the region's rich cultural heritage. The building will consist of exhibition rooms on history, archeology, traditions, culture, and knowledge about southern art and culture, which is presented with modern technology media as well as promoting the continuous and sustainable exchange of knowledge in art and culture.

On May 9th, 2022, an important milestone was achieved as Prof. Dr. Sombat Thamrongthanyawong, the President of Walailak University, presided over the groundbreaking ceremony for the southern arts and culture learning center building at the Toompang Ancient Site, Walailak University. The event was attended by directors, personnel, and students from the university, as well as esteemed guests from Tha Sala District, Nakhon Si Thammarat.

Encourage students and personnel to aware of the value of Thai arts and culture through Thai traditional activities by collaborating with communities and cultural external networks

The Center for Cultural and Sports Promotion at Walailak University, in collaboration with several academic schools and external agencies, organized a special event called "Five Traditions that Should Not be Missed." The event encompassed a range of activities that involved both students and personnel. The five traditions included: hâi taan fai (Fire merit), Tod Kathin unity community temples surrounding the university, make merit at toompung, Walailak songkran tradition, and Walailak Loi Krathong activities.

Promote and develop botanical parks to conserve plant genetics according to Her Royal Highness Princess Maha Chakri Sirindhorn's royal project and to be a natural science learning center for youth and the general public.

Walailak University has been actively involved in the plant genetic conservation project, initiated under the Royal Initiative of Her Royal Highness Princess Maha Chakri Sirindhorn, since the year 2013. The university's efforts in this project culminated in the establishment of the Botanic Park in 2021. For the fiscal year 2022, the following actions are as follows:

Walailak University (WU) was building the Natural History Museum as an RSPG project and to continue RAMA 9's resolve for resource conservation. Walailak University's location in the upper south of Thailand grants it access to a wealth of stunning and abundant natural resources. Situated close to the royal mountains and the Gulf of Thailand, the university enjoys a unique setting with a diverse range of physical landscapes, biological ecosystems and intellectual heritage. The building design is inspired by the number 8 and will sit alongside the Krungching waterfall and beach court. The site is an expression of the precept "Follow the footsteps of the prince from the top of the mountain to the bottom of the sea" and is intended to honor Her Royal Highness Princess Maha Chakri Sirindhorn. With a construction budget of more than 300 million baht and progress now at about 30% complete, it will be fully operational in 2022.

On February 14th, 2022, the Botanical Park at Walailak University proudly inaugurated the largest Cactus Dome, known as "BOTA CACTUS DOME." This impressive structure serves as a collection and exhibition space for a diverse array of cactus plants, arid plants, and succulent plants. It has quickly become a crucial plant learning center in the Southern region of Thailand. The magnificent Cactus Dome, situated within the Botanical Park, was thoughtfully designed and landscaped by Nong Nooch Landscape and Garden Design Co., Ltd. The project was skillfully completed on January 14th, 2022, showcasing the expertise and dedication of the design team.

"Bota Sky Tower", a viewpoint to see the sky amidst the natural in the Botanical Park. The university has officially opened for public viewing since June 2nd, 2022. Currently, there are a total of 70,710 tourists interested in visiting. (data as of September 17th, 2022)

Walailak University hosted the "the 11th Academic Conference and Exhibition Thailand's Resources: 30 Years, RSPG for Real Benefits to the Public"

Her Royal Highness Princess Maha Chakri Sirindhorn graciously presided over the opening ceremony of "the 11th Academic Conference and Exhibition: Thailand's Resources: 30 Years, RSPG for Real Benefits to the Public." The event took place at the Main Auditorium of the Thaiburi Building, Walailak University, Tha Sala, Nakhon Si Thammarat.

The academic conference of the Plant Genetic Conservation Project under the Royal Initiation of Her Royal Highness Princess Maha Chakri Sirindhorn or RSPG has been held continuously. This year, Walailak University succeeded in hosting the 11th Academic Conference and Exhibition " Thailand's

Resources: 30 Years, RSPG for Real Benefits to the Public " between 19 – 24 September to honor Her Royal Highness Princess Maha Chakri Sirindhorn for continuing the mission in conserving the nation's resource and providing opportunities for youth, the general public, academics, private and public sectors as well as policy-making organizations to learn and appreciate the diversity of Thai resources' potentials.

Prof. Dr. Sombat Thamrongthanyawong, the Acting President of Walailak University, in collaboration with the directorial team and Deputy Director of the Plant Genetic Conservation Project under the Royal Initiative of Her Royal Highness Princess Maha Chakri Sirindhorn (RSPG), ceremoniously handed over the host flag for "the 12th Academic Conference and Exhibition: Thailand's Resources under the Royal Initiative HRH Princess Maha Chakri Sirindhorn Princess Maha Chakri Sirindhorn" in the year 2025 to Maejo University, Chiang Mai. The symbolic transfer of the host flag marks the anticipation and preparation for the upcoming event. Walailak University, having hosted the 11th conference and exhibition, is passing on the responsibility to Maejo University for the next edition in 2025.

Strategy 2

Organizational Development and Human Capital Management toward a High-Performance Organization

I. Toward a High-Performance Organization

December 2nd, 2021, the Directors of Walailak University signed a certificate of performance of the fiscal year 2022 is considered to propel Walailak University to become a leading university in the country and the world.

The 20-year strategic plan (2018-2037) comprises nine strategic objectives. The objectives and associated indicators for each strategic goal undergo an annual review conducted by the Strategic Plan Steering Committee. Any adjustments to the target values and indicators are subject to approval by the University Council. To ensure effective implementation, an annual performance evaluation system has been instituted across all university departments. This includes the designation of individuals responsible for each mission, overseeing the progress of tasks, and ensuring the attainment of set targets.

Encourage all departments to use modern technology to increase work efficiency

Walailak University has embraced a comprehensive policy of integrating digital technology across various dimensions. This initiative involves mandating all university departments to incorporate technology into their operations and provide monthly reports on their outcomes. By leveraging digital technology, the university aims to enhance work efficiency, expedite processes, and realize cost savings.

This approach empowers the university to remain competitive in comparison to other institutions. A notable example is the adoption of the Digital Office Management System (DOMS) on September 9th, 2020. The implementation includes the utilization of electronic signatures (e-Signatures) for document preparation, request submissions, approvals, and administrative directives within the DOMS system. This innovative method streamlines processes and reduces paperwork, enhancing efficiency and allowing the university to stay at the forefront of technological advancements in administrative practices.

Resulting in, on 26th October 2021, Associate Prof. Dr. Suwit Wuthisuthimethavee, Vice-Rector for Administration Affairs, as a representative of Walailak University, received the “Best Strategies” award at the “THAILAND DIGITAL TRANSFORMATION AWARDS 2021” for the Walailak University Digital Office Management System (DOMS).

On November 18th, 2021, Prof. Dr. Sombat Thamrongthanyawong, the President of Walailak University, was honored to receive an invitation to speak at the "Powering Digital Thailand 2022 – HUAWEI CLOUD & CONNECT" event organized by Huawei Technologies (Thailand) Co., Ltd. During the event, he shared Walailak University's valuable experience in utilizing technology to drive transformation across various domains, ultimately achieving the status of a Smart University.

Walailak University has participated in the Integrity and Transparency Assessment (ITA) conducted by government agencies to evaluate ethical standards and transparency in organizational operations. Starting from the 2020 fiscal year, Walailak University has consistently prepared and submitted reports to the Office for National Education Standards and Quality Assessment (ONESQA). The university's overall assessment results have shown a continuous improvement trend, with scores of 78.16%, 81.34%, 86.50%, 91.56%, 91.03%, and 92.46% for the assessment years 2020 to 2025, respectively.

System development of ethics and transparency in the organization to A95 level assessment or higher

The university has participated in the Integrity and Transparency Assessment (ITA) of government agencies by preparing a report for NACC since the fiscal year 2017. The university received a high overall evaluation up continuously. The evaluation results in 2017-2022 accounted for 78.16, 81.34, 86.50, 91.56, 91.03, and 92.46 percent respectively.

Furthermore, the university has conducted initiatives aimed at promoting awareness and comprehension of the integrity and transparency assessment at Walailak University for the fiscal year 2022. On April 7th, 2022, these activities took place at the Hua Taphan conference room, located within Walailak University Hospital, and were facilitated through Zoom online meetings.

During this event, Mr. Thawichat Nilkarn, the Director of the Office of Integrity and Transparency Assessment, and Mr. Pinyoyot Muangsommook, an expert Anti-Corruption Officer from the National Anti-Corruption Commission (NACC), participated as guest speakers. They shared their expertise and knowledge on the subject matter, providing valuable insights to the participants. The primary objective of these activities is to enhance awareness about the critical issue of corruption by providing knowledge about ethics, morality, and transparency. The aim is to prevent and combat corruption effectively. This effort is particularly focused on educating university personnel to become vigilant monitors against corruption within the institution.

Furthermore, these initiatives seek to foster a culture of honesty and ethical values among university staff. The goal is to imbue a strong sense of integrity and conscientiousness in their work, ultimately shaping the university's image as an organization dedicated to a corruption-free environment.

On April 7th, 2022, Prof. Dr. Sombat Thamrongthanyawong, Acting President of Walailak University, Assistant Prof. Dr. Padungsak Suksa-Ard, acting vice president, led the university's director and personnel in a symbolic demonstration against corruption according to the vision of the university “Being a good governance organization” to enhance knowledge and understanding of morality and transparency assessment of Walailak University for fiscal year 2022.

On August 1st, 2022, the Office of Integrity and Transparency Assessment, a division of the National Anti-Corruption Commission (NACC), publicly announced the outcomes of the Integrity and Transparency Assessment (ITA) for the fiscal year 2022. The assessment was conducted under the theme "ITA DAY 2022: Decade of ITA Journey." In these results, Walailak University achieved an impressive overall evaluation score of 92.46 points. This score indicated a significant improvement of +1.43 points compared to the previous year, and it also marked a higher score compared to previous assessment years.

In addition, on December 14th, 2021, Walailak University was honored with the "Outstanding Educational Institution in Anti-Corruption Promotion" award at the "ANTI-CORRUPTION AWARD 2021" ceremony. This recognition was presented by the Association of Anti-Corruption Journalists (Thailand) in acknowledgment of the university's remarkable efforts in promoting anti-corruption initiatives throughout the year 2021.

II. Driving the personnel management system to be effective

1. Development of lecturers and operational personnel Encourage and development lecturers to have doctoral degrees at least 70%

Walailak University has actively invested in enhancing the qualifications of its academic staff through various means. This includes providing support for scholarships from both the university itself and external agencies for pursuing doctoral degrees. Additionally, the university offers opportunities for staff to engage in training and research endeavors to further enrich their academic knowledge and expertise. Currently, the university has 424 doctoral degree lecturers, representing 65.33% of the total number of 649 (A total of 716 lecturers, excluding 67 lecturers on further study leave).

Promote and develop operational personnel to be effective and enter a more proficient level

The university has set strategic indicators for operational personnel development in Strategy 2, Organizational development and human capital management toward high-performance organizations. The goal is set at 5 percent and has implemented guidelines for developing professional advancement for operational staff by organizing training for employees to encourage the development of academic papers in order to apply for a specialist position. Currently, there are operations personnel 2 people who have been appointed to professional academic positions and 5 people are in the process.

Encourage training personnel to increase performance and use of modern management technology

In line with its commitment to achieving excellence, Walailak University conducted the 2022 Executive Seminar on the theme "Change Strategies to Drive Walailak University to World Class University." The seminar took place from November 15th to 17th, 2021. During this event, various strategies, goals, and indicators were presented in accordance with Objectives and Key Results (OKRs) guidelines. These presentations were accompanied by detailed action plans outlined by various departments. The overarching aim of these efforts was to instigate positive changes within the university and enhance operational efficiency. By aligning these strategies with the pursuit of becoming a world-class institution.

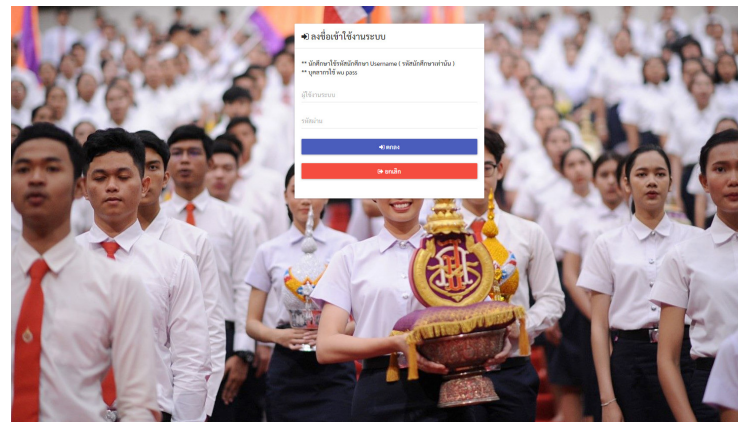
On August 2nd, 2022, the Human Resources and Organization section has organized a seminar on senior management courses "Leadership Grid" for high-level executives of Walailak University. The aim is to enhance the skills, creating change, and conflict management based on the concept of Grid theory to be applied as a management approach and driving the university towards a World Class University.



2. Developing the university into a Smart University

Walailak University has made significant strides in enhancing its IT infrastructure by establishing a Smart Internet network. Additionally, the university has undertaken the design and development of information systems that span across its various departments. These systems are strategically interconnected, allowing for seamless data sharing and accessibility. Part of this initiative includes the integration of WU Data Analytics, which plays a crucial role in supporting the university's strategic planning efforts. This has been developed to be a central database of the university's personnel operating system or WU-HRMS: Walailak University Human Resources Management Information System, which will make quality of work more efficient. Directors and personnels can access information using the application anytime, anywhere. It consists of 15 sub-systems (modules), and 4 modules have already been successfully used, namely 1) Organizational Structure Module 2) Manpower Module 3) Placement and appointment Module 4) Service record Module. The other 8 modules will be gradually implemented.

Smart Learning, an intelligent teaching and learning management system. There is a system to support teaching and learning, including the WU E-learning system, the online E-Testing system, the graduate passport system, the curriculum management system, and the teaching and learning assessment system.



Smart Classroom with technology and tools to support learning in the classroom.

The university has developed a Smart Classroom to support active learning and online learning at Architecture and design and Lecturers Buildings 1, 3, 5, 6 and 7, totaling 150 rooms, and have a W.U.Net network system with a backbone and WiFi6 standard wireless network throughout all buildings which has a high-speed data transmission of 10 Gbps to support teaching and learning in the style of Smart Classroom and complex system research.



Smart Life and Health, a system for caring and promoting the life quality of students and university personnel

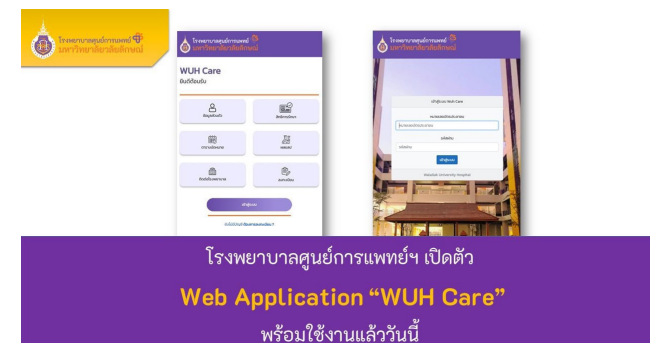
Walailak University has set up a dedicated facility known as the Smile & Smart Center. This center is equipped with a comprehensive system designed to nurture and amplify the capabilities of its students. The center's overarching goal is to cultivate a student body that embodies the qualities of being "Talented, Good, and Happy." Aligned with the university's policy, the Smile & Smart Center focuses on providing holistic support to students, aiming to foster their talents, promote ethical values, and ensure their overall well-being and happiness. There are important services such as Smile Chat, psychological test services, IQ/EQ tests, personality tests, and Career interest assessments. In addition, the WU App has been developed so that students can book a queue for consultation from the Smart & Smile Center, book a room for group work serviced by the Library Center, and use QR Code for entry to library gates, and borrow books.

Smile & Smart Center

ระบบดูแลและเสริมสร้างศักยภาพนักศึกษา มหาวิทยาลัยวลัยลักษณ์ ให้ "เก่ง ดี มีความสุข"
นักศึกษาทุกคนได้พัฒนาศักยภาพ และใช้ชีวิตอย่างมีความสุขและมีสุขภาวะที่ดี



Smart Hospital, an intelligent medical center system. There is a comprehensive healthcare with modern technology and medical equipment. Walailak University has taken significant strides in healthcare by developing the Walailak University Hospital Information System (WU-HIS). This system is built on state-of-the-art technology and seamlessly integrates with modern medical equipment. It is specifically designed to support and streamline both outpatient and inpatient workflows within the hospital.



Smart Transportation

Using the electric shuttle buses to show the bus location, number of seats and bus reservations on application.



Smart Security

Installing a CCTV system, using face and car detection system to enter and exit the university.





Smart Green University

Developing UI Greenmetric system, which is green and environmental friendly university world ranking by University of Indonesia.

Smart Farming

The university has a plant farm management system (Google AppSheet Application), which is a smart farm management system for taking Sumalee Salak. This application is for managing smart farms that efficiently collects agricultural data. It is accessible on smartphones, tablets, and PCs, providing users with easy access to real-time information. This technology-driven approach is designed to enhance operational efficiency within agricultural practices. Furthermore, the university has implemented a Weather Station system to offer valuable information about outdoor conditions such as temperature, wind direction, and wind speed. This data is particularly useful for academic purposes, allowing for comparisons between outdoor and specific areas, such as chicken houses. By utilizing this comparative data, academics and agricultural professionals can make informed decisions about caring for chickens, optimizing their well-being and productivity.



Walailak University moved up 4 places to rank 15th in Thailand by WEBOMETRICS RANKING 2022



Walailak University has achieved a notable recognition by securing the 15th position in the national rankings of the Webometrics Rankings of World Universities. This achievement marks a significant improvement of 4 places from the previous year's rankings. The results, unveiled in July 2022, reflect the university's enhanced visibility and global standing. This positive outcome indicates the university's effectiveness in generating and sharing scientific knowledge across various fields of expertise through online platforms.

From 2019, Walailak University's rankings has continuously improved in all areas. Overall, the global ranking has moved up 370 places from 2,184th in January to 1,814th in July in the same assessment year of 2022, therefore placing the university 15th nationally among 194 Thai universities, a progress by 4 places from January and 577th in Asia. As for the impact made through Visibility, this area has been the University's top-performance indicator over the past 4 years, standing at 5,194th in 2019 before continuing its upward trend to 1,337th this year, moving up by 3,857 places with Openness or Transparency, placed 2,433rd in January this year, the University has risen by 518 places to 1,915 in July. Reviewing the 4-year performance in Openness, the rank has been edging up by 948 places, from 2,863rd to 1,915th in 2019 and 2022 respectively. Finally, for Scholarly Excellence, despite a drop in the rankings from 2019 to 2021 from 3,469th to 3,943th the July-released ranking at 2,965th demonstrated the University's action for improvement.

Strategy 3

Reform teaching and learning by utilizing modern models and technologies for internationalization

I. Reform teaching and learning according to the UKPSF standards framework

Walailak University has integrated the UKPSF (The UK Professional Standards Framework) teaching and learning system, as provided by The Higher Education Academy (HEA) in England, as a foundational framework. This adoption aims to cultivate a cohort of educators equipped with the necessary expertise to excel in teaching. The university's focus centers on honing the analytical thinking capacities of students.

Currently, Walailak University has 548 lecturers certified by the UK Professional Standards Framework (UKPSF) for quality teaching and learning support (including non-academic directors and resigned lecturers) 90.28% of the total cumulative accredited lecturers, consisting of 1 Principle Fellow, 58 Senior Fellows, and 489 Fellows (data as of September 19th, 2022).

On Tuesday 16th November 2021, Walailak University celebrated over 90 percent of its academics achieving HEA Fellowships, the highest among universities in Thailand. The joyous event was broadcast live via Walailak University Facebook and Zoom Meeting for participants to join. Representatives of the UK-based Advance Higher Education (AHE) also attended online the celebration.

II. Developing the curriculum to be outstanding

1) Formulate a strategy to develop the curriculum to be outstanding in accordance with the requirements for social activities in the post-COVID, emphasizing the utilization of digital technology

Walailak University has established a curriculum assessment process that entails a thorough analysis of shifts and market demands. This evaluation is aligned with the framework outlined by the ASEAN University Network-Quality Assurance (AUN-QA) system. The feedback from graduate users' evaluations is a crucial component in enhancing and refining the curriculum. This information is instrumental in guiding improvements within the programs offered by the university. As a result of

this evaluation process, the office responsible for curriculum development has incorporated pertinent changes. For instance, certain program courses have been transformed into General Education courses and the inclusion of subjects pertaining to Artificial Intelligence (AI) such as AI for health sciences, AI for science and technology, AI for social sciences, and AI for business. The Bachelor of Business Administration program (International Program) was approved by the University Council on May 14th, 2022, includes the subjects of Digital Currency and Blockchain Technology, Application of AI and Big Data for Business and Organization, and Business Analytics.

2) Exchange knowledge on curriculum development with universities abroad to applied in accordance with the Thai context

- On February 21st, 2022, The university has signed an MOU with Polytechnic University of Hong Kong and held a discussion on Upskill - Reskill Courses with Prof. Peter Yuen, Dean of College of Professional and Continuing Education Limited (CPCE) due to the outstanding of CPCE Distance Education.

- The International College invited lecturers and personnel from the University of Agder (UiA) and Auckland University of Technology to critique the Bachelor of Business Administration International Program.



The School of Liberal Arts, Walailak University, has established a collaborative partnership with Jilin University in China. This collaboration has been formalized through the signing of a Memorandum of Understanding (MOU). The primary focus of this MOU is to enhance the development of pedagogical practices related to the teaching of the Chinese language. This initiative aligns with the broader framework of "The mutual higher education cooperation between Thailand and China. The project's key responsibilities for continuing the requirements of The Center for Language Education and Cooperation (CLEC) include creating national Chinese language proficiency standards, supporting the provision of teaching resources, and administering worldwide Chinese language education projects like the short-term seminar for Chinese language lecturers, the "Chinese Plus," as well as promoting scientific research.

On October 29th, 2021, Prof. Dr. Sombat Thamrongthanyawong, President of Walailak University, and Prof. Dr. Sumaryanto, M.Kes., AIFO Rector of Universitas Negeri Yogyakarta co-chaired an online MOU signing ceremony between Walailak University (WU), Thailand and Universitas Negeri Yogyakarta (UNY). The MOU between NYU and WU was initiated by ASEAN Studies faculty members, School of Political Science and Law, through their courtesy of free Thai language teaching lessons to UNY students.

On December 21st, 2021, Prof. Dr. Sombat Thamrongthanyawong, the Acting President of Walailak University, formalized a Memorandum of Understanding (MOU) between Walailak University and Universitas Pembangunan Nasional “Veteran” Jakarta (UPNVJ) in Indonesia. This significant collaboration was driven by the Center for International Affairs (CIA) in coordination with four prominent schools of Walailak University: the School of Nursing, School of Engineering and Technology, School of Management, and School of Public Health. The objectives of the collaboration aim to develop and strengthen more academic cooperation mainly related to SDG 4, especially in students, academic, and administrative staff exchange, joint research on scientific and technological subjects, joint symposiums, lectures and conferences, exchange of academic findings, publications, and other academic mutual educational co-operation between the two universities. The collaboration was not limited only to the four mentioned schools, but also covered to other interested schools who wish to implement any type of academic activities in the future.

On January 13rd, 2022, Prof. Sombat Thamrongthanyawong, president of Walailak University partook in a Memorandum of Understanding (MOU) ceremony to establish a cross-registration program with partner universities in a meeting Council of the Graduate Studies Administrators of Public and Autonomous Universities (CGAU) attended by 25 partner universities. Presiding over the ceremony via a Zoom conference was Prof. Sirirug Songsivilai, M.D., Ph.D., Permanent Secretary of Ministry of Higher Education, Science, Research and Innovation (MHESI) and Prof. Patcharee Lertrit, M.D., Ph.D., Chairperson of the CGAU and Dean of Faculty of Graduate Studies, Mahidol University. The signing of the MOU is anticipated to significantly elevate educational collaboration, particularly at the graduate study level. One of the key aspects of this collaboration is to provide students with the opportunity to engage in cross-registration within the graduate programs offered by both partner universities. This arrangement allows students to earn credits that align with the program they are initially enrolled in at their respective universities. The accumulated credits gained through cross-registration can be stored and managed in compliance with the rules and regulations of each university involved. This innovative approach is expected to enrich the academic and social experiences of participating students.

On June 28th, 2022, Walailak University took a significant step forward by partnering with Fujian Open University from the Republic of China to establish the ASEAN-Bangkok Learning Center. This center, housed within the College of Overseas Chinese at Walailak University, signifies a crucial collaboration aimed at fostering educational cooperation between Thailand and China. The establishment of this center is not only a symbol of educational partnership but also aligns with the endorsement of the "One Belt, One Road" policy, which aims to strengthen connectivity and cooperation among countries along the ASEAN region. The ceremony started with the unveiling of the center's sign and signing of a Memorandum of Understanding (MOU) at the Sri Thammarat Meeting Room, Architecture and Design Building, 3rd Floor, Walailak University. Attendees could also attend a virtual meeting at Bohou Building Auditorium, the Fujian Open University the Guishan Campus People's Republic of China.

Walailak University organizes the 1st International Symposium in Management Studies 2022 (ISMS 2022)

Walailak University, in collaboration with the School of Management, Center of Excellence for Tourism Business Management and Creative Economy, and Center of Excellence in Logistics and Business Analytics, hosted the 1st International Symposium in Management Studies 2022 (ISMS 2022). This significant event took place on September 9th, 2022.

On March 22nd, 2022, Dr. Yasumin Thaisomboon Huang, the Director of the Sino-Thai Science and Cultural Center at Harbin Engineering University (HEU), visited Walailak University, including the Center for International Affairs (CIA). During this visit, the School of Engineering and Technology put forth its perspective on the development of 3+1 programs within the field of Artificial Intelligence (AI). This encompasses collaboration in research efforts, as well as the exchange of lecturers between the two institutions. Furthermore, the discussions extended to student-centered initiatives. The focus centers on facilitating cooperative education opportunities for students by sending them to gain practical experience. Additionally, preparations for Chinese language proficiency are being emphasized, aiming to equip students with the language skills necessary to excel within the 3+1 program framework.

3) Develop Upskill and Reskill courses in collaboration with entrepreneurs according to the demand of the labor market

The Ministry of Higher Education, Science, Research and Innovation has introduced an innovative project aimed at nurturing a new generation of graduates. This initiative places a primary emphasis on overhauling production methods and cultivating a skilled workforce that aligns with the immediate requirements of user sectors. It also extends its support towards future workforce demands. The project operates through collaborative efforts involving educational institutions, user sectors, and labor stakeholders. Walailak University has actively engaged in this project and has identified two certificate courses (non-degree programs) for participation.

- 1) Content Creation and Digital Marketing course
- 2) Intelligent technology supporting medical information course

4) Preparing short courses to promote and enhance the work potential of operators in public and private organizations

The School of Management and Center of Academic Service, Walailak University collaborated with Thai Buri Subdistrict Administrative Organization, initiated a pilot project in accordance with the Early Childhood Education Equity Project (ECEEP) guidelines for teachers at the Chumchon Satit Walailak Pattana and Wat Khok Lek child development center by an experimental process to organize teaching activities according to the High Scope teaching style.

5) Preparing a curriculum to promote student exchanges with universities abroad

- A strategic meeting was convened by Walailak University, featuring representatives from Harbin Engineering University and National Chung Cheng University. This collaborative session, held in conjunction with the Center for International Affairs (CIA), witnessed the participation of several schools, including the School of Engineering and Technology, School of Liberal Arts, and School of Science.

- The Bachelor of Business Administration International Program, Walailak University International College (WUIC) is fully prepared to welcome exchange students from foreign universities. In a reciprocal manner, the program has also been selected to participate in an exchange program with the Russian Presidential Academy of National Economy and Public Administration in Russia which is to be commenced in the first semester of the academic year 2022.

On February 11th, 2022, Walailak University organized a significant event in collaboration with the School of Medicine and the Center for International Affairs (CIA). This event marked the formal signing of a Memorandum of Understanding (MOU) between Walailak University and Sichon Hospital. In this ceremony, Prof. Dr. Sombat Thamrongthanyawong, the President of Walailak University, assumed the role of the chairperson for Walailak University and acted as the signatory for the MOU. On the other side, Dr. Arak Wongworachart, the Director of Sichon Hospital, fulfilled the role of the chairperson and signatory for Sichon Hospital. The objective of MOU is to cooperate in the production of doctors, provide medical and public health services according to the government's policy on enhancing people's well-being in a comprehensive and standardized way by jointly organizing teaching and learning for medical students, accept exchange students from Walailak University, and develop the quality of education jointly between the two agencies.

On November 12th, 2021, Prof. Dr. Sombat Thamrongthanyawong, President of Walailak University and Dr. Kitti Rattanasombat, Director of Tha Sala Hospital, Nakhon Si Thammarat jointly signed a MOU on academic cooperation in applied Thai traditional medicine between Tha Sala Hospital and School of Medicine to academic cooperation in the production of graduates in applied Thai traditional medicine. Furthermore, directors and representatives from 5 hospitals, namely Thung Song Hospital, Huay Yod Hospital, Koh Samui Hospital, Phana Hospital, Amnat Charoen and Nam Yen hospital, Sa Kaeo also has signed this MOU via online zoom meeting to become a hospital for vocational training for students of applied Thai traditional medicine programs.

The meeting took place on 19th April 2022, Prof. Dr. Sombat Thamrongthanyawong, Acting President of Walailak University, accompanied by Asst. Prof. Dr. Patnarin Supakorn, Acting Director of Center for International Affairs (CIA) and an executive team of Walailak University welcomed Mr. Mingguang Zhao, Executive Dean, College of Overseas Chinese, The Open University of Fujian, China and his team to join a meeting aimed for educational collaboration. The event is aimed toward expanding educational collaboration to attract Chinese students to pursue undergraduate degrees, and postgraduate degrees at Walailak University.

Asst. Prof. Dr. Patnarin mentioned an MOU signing to take an initiative of founding The Open University of Fujian, Walailak University campus. The new campus will serve as a platform for learning about Chinese culture and coordinating Chinese culture-related workshops and other activities for Thai students and academic members of staff. It is also intended to be a help center for prospective Chinese students.

Post-Pandemic Mobility for International Collaboration: Walailak University executive team joining the VI International Nevsky Forum 2022 and visiting leading universities in St. Petersburg, Russia

Walailak University executive team participates in the VI International Nevsky Forum “Reforms in Russia: from Peter the Great to the Present day” upon an invitation from the North-West Institute of Management NWIM of RANEP in St. Petersburg, Russia, followed by official visits to higher education institutions in St. Petersburg listed in the QS World University Rankings (QS WUR 801-1000) to expand academic cooperation networks through MOU signings and discussions of co-conducted projects from 23rd to 28th of June 2022.

Walailak University warmly welcomed a delegation of executives from the Overseas Medical Mission Center at Changhua Christian Hospital in Taiwan on an official visit.

The outcomes of the educational mechanism development aimed at achieving a quality university have yielded results in the internal educational quality assurance evaluation at the university level for the academic year 2020, with a score of 4.93 out of a maximum of 5 points.

On November 22nd, 2021, Prof. Dr. Tawadchai Suppadit, Walailak University's Vice President of the Division of Planning and Development Strategy, announced the results of the Internal quality assurance assessment at the university level. The quality assurance assessment is based on the WUQ framework and consistent with the basic international criteria of the AUN-QA (ASEAN University Network-Quality Assurance). Overall, Walailak University received average ratings of 4.93 out of 5 in the academic year 2020, which is extraordinary and the highest result since the university's inception.

In addition, Walailak University has also received external quality assessment certification from the External Quality Assessment Committee of the Office for National Education Standards and Quality Assessment (ONESQA). The university underwent an external quality assessment at the university level for the years 2561-2563 through an online system. The results demonstrated compliance with the stipulated criteria as per the Higher Education Standards Framework 2018. Consequently, the university has been granted certification for a period of 5 years.

III. Smart Classroom and Digital Laboratory Development

1) Cancel all large classroom, especially general education subjects

The university has developed a Smart Classroom to support active learning and online teaching at the Architecture Building, Lecture Buildings 1, 3, 5, 6, and 7, which are small classrooms and learning technology to promote learning and communication between learners and lecturers for better learning results.

2) All classrooms with 35-40 students are arranged to be genius classrooms

From Fiscal year 2018 to Fiscal year 2022, Walailak University has embarked on an initiative to create technologically advanced Smart Classrooms that cater to active and online learning approaches. 150 smart classrooms have been established in various buildings across the campus, including the Architecture Laboratory Building and Lecture Buildings 1, 3, 5, 6, and 7, consisting of 144 Basic classrooms, 2 Intermediate classrooms, and 4 Advanced classrooms. In addition, the Center for Library Resources and Educational Media (CLM), Walailak University, organized training sessions aimed at aiding lecturers in effectively utilizing technology within these Smart Classrooms. The programs encompass a range of topics, including the use of OBS Studio, Swivl Robot utilization, recording teaching sessions using Loom, and creating design tests through platforms such as Socrative.

3) The laboratory modern, attractive, and more digital labs will be provided for students

Walailak University prioritizes high-quality education through well-equipped laboratories and comprehensive libraries. These facilities cater to practical learning and provide access to up-to-date resources, ensuring a holistic and effective learning experience for students and faculty as follows:

The laboratory at the Center for Scientific and Technological Equipment has been improved to become a digital laboratory, Part of the actual laboratory for students of the Agricultural Science and Innovation Program, project was under cooperation with Mashav and the Embassy of Israel in Thailand with School of Technology Agriculture and Food Industry.

The Center for Digital Technology has installed a WiFi6 wired and wireless network system in every Smart Classroom to support teaching and learning and incorporate use online teaching materials effectively. In addition, WiFi5 wired and wireless network systems are installed in the Smart Laboratory, with plans to upgrade to WiFi6 soon.

The Center for Library Resources and Educational Media, Walailak university has set development goals to become a Living and Digital Library by operating in 5 areas, namely E-resources, E-services, E-training, Digital Content and Learning Space, including developing Smart Classroom to support online learning and prepare online lessons in the E-learning system and also cooperate with the Schools to develop online courses to teach on ThaiMOOC, totaling 23 subjects (from the original 14 subjects).

4) Active Learning style in accordance with the subjects studied

The common pedagogical approach at Walailak University mandates a focus on active learning through small group instruction. The outcomes of active learning management manifest in enhanced

learner competencies, improved student-lecturer relationships, and the adoption of innovative teaching methodologies by instructors. Analysis of TQF system data revealed the utilization of a diverse range of learning management styles: 64 methods in the 1st semester, 60 methods in the 2nd semester, and 65 methods in the 3rd semester of 2021.

IV. Develop a cooperative education system in line with the principle of “Academic Skills and Practical Expertise”

1) Set the cooperative education system to be an 8-month system for all programs.

The university has revamped its cooperative education system in alignment with progressive developmental strategies. This initiative is geared towards nurturing students into "Academic Skills, Practical Experts" who are readily employable post-graduation. An extension from 4 to 8 months of workplace-based cooperative education practice has been implemented, facilitating the acquisition of practical skills and specialized knowledge, thereby enhancing students' employability and earning the confidence of employers.

2) Encourage students to practice cooperative education in all premium enterprises

Walailak University wins three national cooperative education awards in three categories including Excellence Award for Cooperative Education Innovation,

Excellence Award for Cooperative Education Innovation project and Excellence Award for Large-scale Organization for Cooperative Education following the extension of cooperative study period, an 8-month period, maximizing chances for graduates' employability. Dr. Atanan Techopisanwong, Director of The Center for Cooperative Education and Career Development, Walailak University (WU) revealed that after Walailak university's previous success in winning eight cooperative education awards in the upper southern network round, the center has proceeded to compete to gain a national-level recognition in a contest held by the Office of the Ministry of Higher Education, Science, Research and Innovation.

On 24 May 2022, the Office of the Ministry of Higher Education, Science, Research and Innovation has completed its selection and decision of the contest of the 12th Cooperative and Work-Integrated Education contest (CWIE) 2022. Walailak University has won three cooperative education awards namely Excellence Award for Cooperative Education Innovation and excellent cooperative and Work-Integrated Education (CWIE). As for the students, Mr. Tanva Thongkleang, student from Computational Science, School of Sciences, won Excellence Award for Cooperative Education Innovation project. Anantara Phuket Hotel Chain won Excellence Award for Large-scale Organization for Cooperative Education as proposed by Walailak University.

Walailak University has won eight Awards of Excellence Cooperative Education Student Contest and applied study of 2022 and will soon proceed as a representative of Thailand's upper south to the national level grand finale.

V. Produce graduates to be “Good and smart people”

To produce graduates to be "good people" by emphasizing 4 principles are as follows:

- 1) Gratitude, a process for cultivating students to an awareness of gratitude.
- 2) Knowing discipline, training, and promoting activities for students to be disciplined and respect the laws, rules, and regulations of society.
- 3) Volunteer spirit, Walailak University participated in the 904 Royal Volunteer Spirit Project with the aim of forging students to become public-minded people.
- 4) Develop leadership, teaching processes, and encourage all students to have leadership, assertiveness, and be ready to take responsibility for society.

VI. International Development

1) Promote international colleges and international programs in accordance with international standards

The university has inaugurated four international colleges, encompassing:

- 1) International College, accommodating 28 undergraduate students
- 2) International College of Dentistry, enrolling 73 undergraduates and 25 master's candidates
- 3) Akkharatchakumari Veterinary College, with 127 undergraduates
- 4) Graduate School, hosting 66 master's and 96 doctoral students.

For the Bilingual/English Program/International Programs currently, there are a total of 28 international programs out of a total of 79 programs, consisting of 4 bachelor's degree programs, 12 master's degree programs, and 12 doctoral programs.

2) Encourage the presence of foreign lecturers and foreign students in international programs to have the appropriate proportion

Currently, Walailak University has 49 foreign lecturers (including assistant teachers, volunteer teachers and heads of research institutes and has a total of 126 international students enrolled in the study. Furthermore, the university plans to recruit more foreign lecturers during year 2023-2027 to support the expansion of teaching and learning in international programs in the future.

3) Promote exchange programs for international lecturers and students in accordance with world ranking standards

In 2022, the university introduced Student Mobility initiatives through the Center for International Affairs (CIA), facilitating the participation of 323 Inbound International students, 101 Outbound students, 35 International Staff for Inbound Mobility, and 9 individuals in WU Outbound Mobility programs.

For this year, Staff and Student Mobility important project namely:

- Student exchange program from Tadolaku University Universitas
- Exchange Program from Pembangunan Nasional Veteran Jakarta -UPNVJ, Indonesia
- The Young Environmental Health Leaders Initiative (YEHLI) at Center for Marine and Coastal Studies (CEMACS), Universiti Sains Malaysia, Malaysia
- “Public Health Youth Leadership Program” at Dong Thap Medical College, Vietnam

Medical Students from Ohio State University Participating in Medical Field Training Program at Walailak Hospital and Sichon Hospital

Walailak University, represented by Assoc. Prof. Dr. Surin Maisirikrod, Acting Vice-President for Foreign Affairs and Learning and Teaching Development accompanied by Asst. Prof. Dr. Patnarin Supakorn Acting Director of Center for International Affairs (CIA) and Asst. Prof. Dr. Udomsak Saengow, M.D., Acting President of Walailak Hospital, welcomed Ms. Cristina Ortiz, Mr. Karl Gregory Shaver, and Mr. Tyler Haddad, Exchange medical students from Ohio State University. The students will be participating in a medical field training program at Walailak Hospital and Sichon Hospital over the period from 14th to 29th of March, 2022.

Prof. Dr. Sombat Thamrongthanyawong and WU Executive Team Congratulate the First Batch of International Students Graduating this Academic Year

Prof. Dr. Sombat Thamrongthanyawong, Acting President of Walailak university congratulated and gave a remark to the international graduates. The underlying message underscores Walailak University's strides in catering to the requirements of international students, ensuring their successful graduation as high-caliber graduates. Our current objective is to secure a position in global rankings, attaining both national and international acclaim. Looking ahead, the university envisions a future where an increased number of international students are welcomed.

“I want everyone to take pride in being alumni of Walailak University and become a successful person generating impact and contributing to the development of the country,” said Prof. Dr. Sombat.

On Thursday, December 23rd, 2021, The Center for International Affairs (CIA) organized the 1st international staff meeting with the president and the 2022 New Year Celebration for international staff members and students. The hybrid online and onsite gathering was organized to provide a special occasion for our international members to meet with President Sombat Thamrongthanyawong, who was sharing with the international colleagues the passing years' successes and encouraged all participating members to think ahead of future greater achievements.

On August 9th, 2022 Walailak University International College (WUIC) welcomed the new international students totaling 20 students from 7 countries including Russia, Philippines, Vietnam, Zimbabwe, Cambodia, China and Burma.

Strategy 4

Creation and development of graduate quality in response to the National Strategy

I. Changing Walailak University into a Quality University

1) Programs that is supervised by a professional council, graduates are required to take a professional license exam are as follow:

- Student of School of Allied Health Sciences, medical technology program able to pass the exam with 98.94%
- Student of School of Allied Health Sciences, physical therapy program able to pass the exam with 86.07%
- Student of School of Medicine, Doctor of Medicine Program able to pass the exam with 95.10%
- Students of School of Nursing, able to pass the exam with 99.09%
- Students of School of Pharmacy, able to pass the exam with 81.10%

2) Programs that are not supervised by a professional council, graduates must take the Exit Exam and must pass the criteria of not less than 90%, which is the only university in Thailand used this exit exam.

3) Chinese program must pass the HSK level 5 or above

The Chinese language program has established the Comprehensive Examination Practice Guidelines for students of Bachelor of Arts program in Chinese language. Fourth-year students must pass the Chinese Proficiency Test (HSK) Level 5 organized by The Office of Chinese Language Council International: HANBAN of Chinese government at least 1 time. In case of failure, fourth-year students enrolled in the Chinese language program have the option to undertake a Comprehensive Knowledge Test (Comprehensive Examination). Students with an ID of 62 who are required to take this exam will be provided with a dedicated course through online tutoring by Harbin Engineering University over a span of four months (May - September 2022). The examination is scheduled to be held in December as part of the second semester of 2022.

4) English program must pass TOEFL 500 score or above

The English (International) Program students have ITP TOEFL preparation every semester and the program requires that all students take the TOEFL test before graduating. For student ID of 62 must take the test and currently, they are in the process of cooperative education for 2 semesters. The ITP TOEFL test is scheduled for the 2nd semester of 2022. For student ID of 63, the program has prepared students to arrange the ITP TOEFL test in September 2022.

5) Minimize Drop Out

The university has implemented a comprehensive policy across all departments to provide continuous support and close monitoring of students. Remarkably, up to the academic year 2020, no students were dismissed due to academic performance. Furthermore, the percentage of dismissals for other reasons has also shown a reduction.

6) Increase the success rate according to the study plan not less than 90% or more

The proportion of university students who have completed their studies on time has continuously increased as follows:

- For the program of 4-year study time period, undergraduate students graduating increased from 62.74 percent in the academic year 2014 to 82.24 percent in the academic year 2018.
- For the program of 5-year time period, undergraduate students graduating increased from 70.37% in the academic year 2014 to 83.33% in the academic year 2017.
- For the program of 6-year time period, undergraduate students graduating increased from 85.44% in the academic year 2014 to 89.52% in the academic year 2016.

II. Encourage Walailak University to be a widely known university

1) Created trust among parents and students to believe in the quality of the university

The university has established a commitment to ensure that its students receive education from competent instructors within quality learning facilities, set in an appealing environment. The university's approach is encapsulated in the motto "Take care of your children like our children." On June 3rd, 2022, Prof. Dr. Sombat Thamrongthanyawong, Acting President of Walailak University along with directors and personnel welcomed parents who traveled to send their students, who are new students (25th Chor Pradu) to enter the dormitory on the first day of the academic year 2022, in the activities of the president and directors welcoming parents at Thai Buri Building for this year, more than 2,000 parents participated.

On June 6th, 2565, Walailak University organized the Freshmen Orientation Program (Chor Pradu 25) under the project to enhance life skills at the university for the academic year 2022. The event was honored by Professor Dr. Sombat Thamrongthanyawong, Acting President of Walailak University, who

presided over the ceremony. The university's administrators, faculty members, staff, and senior students warmly welcomed the new students at the Thai Buri Auditorium. In his speech, the Acting President emphasized the importance of nurturing students to be both good individuals and knowledgeable learners, in alignment with the university's four principles: Virtue, Discipline, Altruism, and Leadership development.

On June 11th, 2022, Walailak University organizes a welcome ceremony or Bai Sri Sukwan - tying a wrist to officially welcome a person as a member of the community. Chairman of the university council, the President accompanied by the WU executive team partook in the ceremony symbolizing blessing for achievement in life and happiness - to welcome 1st-year students as WU new members.

Mr. Teerachai Chemnasiri, Chair of Walailak University Council, Prof. Dr. Sombat Thamrongthanyawong, Acting President of Walailak University along with the executive team, staff, and senior students joined the ceremony at Walailak Square in front of the Thai Buri Building. Mr. Teerachai gave a remark on behalf of the university council to welcome all students.

On June 30th, 2022, Professor Dr. Sombat Thamrongthanyawong, Acting President of Walailak University, presided over the Teacher's Appreciation Ceremony for the academic year 2565. The ceremony aimed to express gratitude and respect to teachers for their dedication and contributions to the education of students.

2) Promote strategies for accepting new students according to the plan (due to the decrease in the Thai population)

The university has improved its student admissions strategy in order to be able to accept students according to the specified goals including developing teaching and living environment for students. The results showed that, Walailak University exceeded its set student admission goal, achieving a remarkable milestone by admitting a total of 3,880 students (with a combined GPAX of 3.30) compared to the target of 2,736 students, representing 141.81 percent. This achievement marks the highest number of admissions in both quantity and quality over the past two decades, since the academic year 1998.

Furthermore, the university has actively promoted the enrollment of students from outside the southern region, aiming for a 10% increase starting from the 2019 academic year. This initiative resulted in a rise from 9.32% of students from other regions. Due to the concerted effort to attract students from diverse areas, the university witnessed a gradual rise in the numbers, culminating in the 2022 academic year where the percentage of students from other regions reached 13.84%.

3) Encourage strategies for accepting new high-quality students according to curriculum standards

The university has implemented strategies to attract as many talented students as possible, e.g., producing a media, organizing guidance activities, and organizing a camp to publicize student admissions are as follows:

• Walailak University welcomes 2,000 Grade-12 students to “Walailak TCAS’66: Dek-Rian’66: Get Ready for College”

On 27th July 2022, the Division of Corporate Communication, Walailak University, launched “Walailak TCAS’66: Dek-Rian’66: Get Ready for College” to publicize to Grade 12 students the Thai University Central Admission System (TCAS) 2022. The event received a positive response from Grade 12 students across the country joining in both onsite and online.

On this occasion, Prof. Dr. Sombat Thamrongthanyawong, Acting President of Walailak University, gave a special remark titled “Walailak University: Quality University where happy and successful learning takes place” followed by “P Kong” as known among the students, or Dr. Peerapong Triyacharoen, TCAS system specialist, giving a talk on “Learning about TCAS in the Academic Year 2022”

- Walailak University participating in the exhibition in the Public Relations project to proactively promote the image of the university: KNOW ME MORE: University PR Network Expo 2022, as well as organizing discussions to create cooperation networks in communications at the university level.

- On March 27th, 2022, School of Medicine, Walailak University organized a White Coat Ceremony for 48 3rd-year medical students of the 12th batch at the Thai Buri Building, Walailak University. This serves as symbol of the medical profession and to congratulate the medical students who are about to enter the profession in clinical studies.

- Walailak University organizes the Nurse Cap Granting Ceremony for the 20th and 21st batch of WU Nursing Graduates

- On July 9th, 2022, Walailak University organized a White Coat ceremony for 3rd year and 1st batch of Sports and Exercise Science students, School of Medicine and presented honorary certificates to students who brought honor to the school.

• Walailak University providing holistic cares for ultimate student development

Under the guidance of Assoc. Prof. Dr. Voravuth Somsak, Acting Vice President for Promotion and Development of Students, a comprehensive program was introduced to guide students towards becoming well-rounded graduates. The program is built on the principles of "Gratitude, Discipline, Volunteering, and Leadership." This initiative provides holistic support, encompassing academic excellence, social adeptness, financial assistance, and both physical and mental wellness.

In line with Walailak University's educational philosophy to produce “Good and able graduates”, Assoc. Prof. Dr. Voravuth revealed that the mission was to provide holistic support and cares relevant to both the students' needs and what the university stands for. In terms of academic excellence, the university has partnered with various schools and colleges through the "Talented, Good and Happy Student" project to enhance students' learning experiences. Tutorial centers have been established where peer assistance and collaborations among junior and senior students ensure academic success. For social skills development, a range of activities focused on cultivating values such as gratitude, discipline, volunteering, and leadership are conducted throughout the year. These activities are organized in collaboration with student associations, clubs, as well as schools and colleges within Walailak University.

“We believe that by doing extracurricular activities, students will absorb the process of working as part of a team, management, and learn about leadership. They also get to be both a follower and a leader in a group, meaning learning to collaborate with others. Also, getting to exchange knowledge and experience with external organizations will help to grow decision-making skills in various matters which comes in handy when entering the employment world.” Assoc. Pro. Dr. Voravuth emphasized the importance of doing activities.”

On September 3rd, 2022, the Smile & Smart Center, Division of Student Affairs, Walailak University, organized an exchange and learning event focusing on enhancing student care systems and capacity building. The event aimed to create "Smart, Skilled, and Happy" students at Walailak University. Representatives from 15 faculties, 3 colleges, and the working team, totaling 174 participants, attended the activity. Prof. Dr. Sombat Thamrongthanyawong, Acting President of Walailak University, joined the event and participated by listening to the lessons learned from the previous year and presiding as the chairperson for the closing ceremony. His valuable insights and encouragement were shared to provide suggestions and boost morale for both the working team and the participants.

The event was further enriched by a keynote address delivered by Ms. Phawanah Wiangrawee, Director of Phet Thoo Health Foundation. Her expertise and leadership added to the value of the event, inspiring both the faculty and staff who were in attendance.

4) Promote the organization of academic activities, including organizing national and international conferences and encouraging students to participate in national and international competitions.

From the policy towards internationalization, the university has set the number of international conferences as one of the key strategic indicators in the fiscal year 2022, at the end of the third quarter, it was found that the Schools held a total of 33 international conferences out of the target of 15 conferences.

In addition, the schools have sent students to participate in academic and professional skills competitions nationally and internationally and won many awards are as follows:

- Students from the School of Liberal Arts, in the Chinese Language program, achieved remarkable success by winning awards at the "The 1st Chinese Language Sparks: Light of the South" competition. The event included various categories such as Chinese language skills, singing, and calligraphy. This competition was organized by the Confucius Institute at Prince of Songkla University, marking their 15th anniversary.
- 4th year students of Communication Arts program, School of Informatics, won the 2nd Runner-Up in the final presentation round and received scholarship with a certificate from the stage of the Public Relations Plan contest and organizing national events in the Toyota Campus Challenge 2020, organized by Toyota Motor Thailand Co., Ltd.
- Graduate in Chemistry of Computational Science Program, School of Science won the Young Rising Stars of Science Award 2021, Gold Prize level, Department of Chemistry at the 47th International

Congress on Science, Technology and Technology-Based Innovation (STT47), organized by: The Science Society of Thailand under the Royal Patronage of His Majesty the King together with the Faculty of Liberal Arts and science, Kasetsart University Kamphaeng Saen Campus from a research topic: Structural studies and DFT calculations of Manganese (III) Schiff base complexes.

- Students of the School of Engineering and Technology, Walailak University won 2 prizes from the Higher Education Innovation Contest Undergraduate level of the year 2022 at the National Research Expo 2022 are as follows:

1) Gold medals and good awards, Ms. Nantiporn Thongrakchan and Ms. Natthanicha Srisubat, students of the Chemical Engineering program, have conducted innovative research focused on the recovery of ammonium from rubber factory wastewater. Under the guidance of Asst. Prof. Dr. Wichitpan Rongwong, they have developed a membrane contactor process. This process involves utilizing a hydrophobic membrane to effectively extract ammonia from the wastewater of rubber factories. The process also facilitates the conversion of the extracted ammonia into ammonium sulfate fertilizer in a single step.

2) Silver medals, Ms. Pakkamai Raknarong, Ms. Narumon Sittichen, Mr. Afham Chekabasaw, and Mr. Musofapha, student of Civil Engineering program, the research owner of the innovative mortar to prevent radiation from garnet waste with Asst. Prof. Dr. Kittipong Khunjariyakul as an advisor. The research utilizes waste garnet, a by-product of metal polishing, to create radiation-proof concrete. Tests confirm its effectiveness in shielding against gamma and neutron radiation, offering a sustainable and efficient solution.

- 4th-year Civil Engineering students from the School of Engineering and Technology conducted research on enhancing prestressed composite beams using composite steel and old concrete for thin floor systems. Their project, represented by the FSB WU team and advised by Asst. Prof. Dr. Thanongsak Imjai, earned them the prestigious "Best of the Best" award in the SSI 4YE 2020 steel thesis contest organized by Sahaviriya Industry Public Company Limited, the students received a 50,000-baht scholarship and a trophy.
- Morekit Team, Walailak University received the 1st Runner-Up prize in the Research to Market 2021 (R2M) at the southern level and was eligible to be the representative of the southern region to participate in the national contest.
- The School of Architecture and Design won the “Top Entry IN Country” award in the Autodesk ASEAN Innovation Awards 2021 competition in Singapore in the “Future Pillar Award” category. This award is given to educational institutions that focus on training and developing students' potential in digital infrastructure along with receiving a certificate of being one of the top universities in Thailand in this field.
- 1st-year students in Sports and Exercise Science program, School of Medicine, Walailak University, won a gold medal in the category of Tachi Waza, age more 19 years, weight 52 kg batch and a silver medal in the category of Fighting, age 18-20 years batch, weight 52 kg from Thailand Jiu-Jitsu Championships 12/2021 during on 3rd – 5th December 2021.

- Performing Arts Club, Student Activity Promotion Section, Walailak University send a video clip to participate in the competition in the event "The 4th Southern Thailand International Innovation and Culture", the 4th Southern International Innovation and Art and Culture event "The Land of Arts and Culture" organized by Rajamangala University of Technology Srivijaya, Songkhla. Resulting in, Walailak University won 2 awards, with Mrs. Kobsuk Orachon, Head of Student Activity Promotion as a trainer.

- Mr. Natnaphat Kiratikornpisut, a 4th-year student in the Computer and Electronic Engineering Program at the School of Engineering and Technology, Walailak University, achieved a remarkable cumulative grade point average of 3.88 and was awarded the Medal of Excellence for the year 2021.

- English program students, School of Liberal Arts, received the 2nd Runner-Up in the Higher Education English Speech Contest on the topic of "Global Citizenship for Sustainable Future" organized by the Department of English Faculty of Humanities and Social Sciences, Surat Thani Rajabhat University.

- Students from School of Agricultural Technology and Food Industry won 9 awards at the academic conference National Graduate School of Agricultural Science and Technology.

- Mr. Thanakrit Haman, 1st-year student in Sports and Exercise Science Program, School of Medicine, Walailak University, won award of the Thailand Mountain Bike Championship and was bestowed the Royal Cup His Majesty Collecting points for the year 2022, Stadium 4, Songkhla Province, U23 batch and won 4th place in the general male batch in Songkhla Province on April 30th, 2022.

- Walailak University Congratulated Ms. Warintorn Phetpraphan, Business Administration Program alumna, School of Management, Walailak University, Thai national cyclist, on winning bronze medals from the mountain bike race Cross-country relay team (medley relay) at the 31st SEA Games in Hoa Binh Vietnam on May 17th, 2022.

- Walailak University students achieved remarkable success in the Startup Thailand League 2022 competition at the southern region level. The achievements include:

- Tricho-Orga-Soil team from the School of Agricultural Technology and Food Industry received an award.

- Dermacia team from the School of Medicine secured the 1st runner-up position.

- IVYBIKE team from the School of Management earned the 2nd runner-up spot.

All three teams, representing the southern region, advanced to the national round of the competition.

- A research team for the Sufficiency Economy Philosophy Project of Local Administrative Organizations in the South, Walailak University, along with the local administration team, received a plaque of honor from Deputy Director General of the Department of Local Administration Promotion at the Thailand Research Expo 2022.

- Researcher team of Walailak University, owner of the project "Solar Energy Conversion Material Technology and Energy Storage" under the support of the Fundamental Fund, Walailak University, won the gold award from the Thailand Research Expo 2022.

- Walailak University students won a 1st runner-up from AIC INNO 2022 project from the trade fair and international seminar on halal (Business Matching Program) at the International Convention Center Celebrating the 60th Anniversary, Prince of Songkla University.

- Students from the School of Laws, Walailak University, ranked in the top 10 nationally from the competition on legal problem argument in the 8th MOOT COURT COMPETITION ACADEMIC YEAR 2021, national-level contest for the academic year 2021 organized by Thammasat University in collaboration with the Office of the Judiciary, Office of the Attorney General and the Lawyers Council under the Royal Patronage between July 29th, 2022 – August 25th, 2022 at Thammasat University.

- On August 18th, 2022, students from School of Laws, Walailak University, won 1st runner-up and 2nd runner-up awards in the legal case competition commemorating Rapee Day 2022, regional level at Kaew Samui Resort Hotel, Surat Thani. Students received a certificate, a plaque from the Chief Justice of Region 8 and was a representative of Region 8 to compete in the final round for the Royal Cup from Her Royal Highness Princess Maha Chakri Sirindhorn Prince Patcharakitiyabha Narentira Thep Yowadee Kromluang Ratchasarinnee Siriphat Maha Watcharajthida.

- On September 10th, 2022, 3rd- year students in Sports and Exercise Science Program, School of Medicine, Walailak University, won silver and bronze medals in bodybuilding competition Junior men's physique and Men's physique short from PCA Thailand Presents, an international bodybuilding arena at Samui Palm Beach Resort, Surat Thani.

- Sport and Exercise Science program students, School of Medicine, student-athletes in the Sports Excellence Program under the supervision of the Center for the Promotion of Culture and Sports, won a gold medal in the Tashiwasa category, weight lesser than 50 kilograms, in the 2022 Thailand Jiu-Jitsu Championships at Rangsit University.

Strategy 5

Promote the image as a Happy Green University City

I. Creation of the image of a university town

II. Developing a green university based on UI Greenmetrics criteria

1) Development of infrastructure and landscape to be always beautiful

In the fiscal year 2022, Walailak University undertook significant construction and improvement endeavors. These included 5 major projects along with 9 sub-projects, collectively amounting to a budget of 135.916 million baht.

2) Waste management and disposal

- Using waste for electricity generator (Incinerator's University) and increasing removal efficiency of inflection waste

Walailak University has enhanced its waste management infrastructure by upgrading and optimizing an incinerator system. This system efficiently handles infectious waste generated from Health Science classes, the Walailak University Hospital, and external entities. The improved incinerator can process up to 100 kg/hr of waste, incorporating advanced combustion techniques to preserve energy and environmental considerations. This development aligns with waste removal regulations, enhances incinerator efficiency, and minimizes waste humidity, resulting in a highly effective infectious waste management solution.

- Waste Recycle

Division of Green University, Walailak University, collaborated with the Waste Management Subcommittee to create a Smart Bin system, which is a notification system operating by pressing a button then the system will notify via the LINE application in case the trash is full so that the housekeeper can change bags in a timely manner. This helps to simplify and convenience the disposal of garbage for students and personnel, which has been installed as a pilot at the Architectural building and Chor Pradu canteen. Furthermore, a study of waste collection routes of garbage trucks to calculate the least greenhouse gas emission.

Walailak University's waste management project tested its wastewater system by using 2 cm tilapia fish. When the fish grew to 1 inch, they were sold for further cultivation. This suggests that the water quality was sufficiently high and clean, enabling the survival of the fish population.

3) Traffic Management

- Organized the electric shuttle buses system has more efficiency

The Green University is responsible for the operation of the electric shuttle bus service from the Student Promotion and Development Division. The schedule and routes of the electric shuttle buses have been enhanced to align with students' class timings. Additionally, a real-time tracking system for the shuttle buses has been upgraded, along with providing performance reports to supervisors. Moreover, customer satisfaction assessments revealed that satisfaction levels exceeded 90%.

- Improving the traffic sign system

The university is currently working on enhancing traffic routes, including expanding the lanes from 2 to 4, and further improvements to the traffic signage and safety measures are planned after the route enhancement is finished. The design adjustments and contractor selection are currently underway.

In addition, the Student Promotion and Development Division has collaborated with the Central Service Division by implementing traffic discipline with an emphasis on helmet wearing checks. Students who are found not wearing helmets will face disciplinary action, which may include point deductions for conduct as per the established regulations.

- Roads maintainnace in the university

The university has undertaken various infrastructure improvements, including adding entrance lanes, laying concrete for entrance roads, and enhancing the edges of the roads. Concrete flooring has been poured for motorcycle garages, dormitories Laksananiwet dormitory building 1, 2, 3, 4 and 5 and parking lots. Also, Drainage pipes have also been strategically placed to prevent flooding in multiple areas around the university, including roads leading to the Sport and Health Center, water supply plant, personnel housing group roads, and the road to personnel housing group 100.

4) Encourage Walailak University to be ranked UI GreenMetric not less than the top 5 in Thailand

On December 14th, 2021, Walailak University ranked as the 1st Green University in the South of Thailand for 2 consecutive years and moved to the 8th place in the country and the 116th in the world by the UI GreenMetric World University Ranking 2021, totaling a score of 7,700 points compared to the year 2020 which was ranked 16th in the country and 219th in the world, with a total score of 6,650 points. It can be seen that the country's ranking and the world's ranking have moved up 8 places and 103 places respectively. Furthermore, the total score has increased by 1,050 points, with scores increasing in all categories from all 6 categories.

Strategy 6

Forging a cooperation network with external agencies for the development of the university

I. Support for internal and external research funding sources

1) Coordinate with research funding sources from the public and private sectors to create a research network

Research and Innovation Institute of Excellence, the university's main unit emphasizes research integration across diverse fields of study. Collaboration with external agencies, particularly foreign academics, holds significant importance in promoting research partnerships. It has been defined as one of the main strategic plans of the university as well as finding research funding from within and outside of the country. In the fiscal year 2022, the university received a total of 150.75 million baht in external research funding and 244 research collaboration projects with external agencies are as follows:

- Production and promotion of the “Ligor chicken” raising project for farmers in the southern region with a clever management system to create career stability

Researchers from Walailak University, in collaboration with Suranaree University of Technology (SUT) and the Department of Livestock Development, are working to enhance the "Ligor Chicken" breed. This joint effort, funded by the National Research Office (NRCT), aims to create a hybrid native chicken variety that aligns with local farming practices and meets consumer demands in the southern region. The envisioned hybrid chicken is designed to require less space, have a shorter life cycle, yield quick returns, possess excellent taste, offer high protein content, low fat, and cater to health-conscious consumers.

- **The cooperation research development project on Marijuana, Hemp and Kartom** With funding from the Division of Promotion and Coordination for Scientific Benefits Research and Innovation and Science and Technology Park, Walailak University is spearheading research efforts as a coordinator between the private sector and university researchers. The aim is to foster novel knowledge and facilitate private sector development. Through a collaboration agreement inked on March 28th, 2022, the university has secured research funding from six private companies, totaling 22.6 million baht, to support university researchers in their endeavors.

- On November 7th, 2022, Walailak University together with the private sector signed a

Memorandum of Understanding (MOU), scheduled for a period of 3 years. The aim of the MOU signing is to collaborate and develop research and transfer technology in Marijuana usage for medical benefits in different steps such as, growing Marijuana in a closed system, High-technology extraction, standardized laboratory for the analysis of Marijuana extracts, development of Marijuana-based medicines to treat cancer patients and other diseases, etc.

- **A joint research project with the private sector and the community to further develop and create added commercial value.** The Science and Technology Park coordinated and gave research funds through entrepreneurs to develop products. Key projects encompass a comprehensive array of initiatives. These include tackling air pollution and pathogen diffusion through the implementation of chemically activated biochar from palm kernel shells combined with ultraviolet C rays. Additionally, there's the creation and manufacturing of ready-to-use powdered sustenance to facilitate the transition of cysts into the acanthamoeba stage. Noteworthy undertakings also encompass the innovation of a modern agricultural smart groundwater bank, the formulation of plankton inoculum, and the production of an acne-combating herbal gel derived from mangosteen extract.

- In the fiscal year 2022, **Science and Technology Park** cooperation agreements with 14 companies to research collaboration, such as Neo Factory Co., Ltd., Synchrotron Light Research Institute, Kratom for Health Co., Ltd., Dr. CBD Co., Ltd., New Biodiesel Co., Ltd., Shuhada Thailand Co., Ltd., A.P.K. Furnishing Parawood Co., Ltd., Ilamoon Co., Ltd., Andaman Mankong Construction Co., Ltd., Trang Rubber Wood Co., Ltd., Ya Abhai Nakorn Co., Ltd., and Equitable Education Fund. Including 17 private-sponsored research projects with a total budget of 30.2716 million baht.

- **The Center for Academic Services**, a total of 20 externally funded projects amounting to 49.81 million baht are underway. Among these, noteworthy initiatives include the enhancement of the Pak Phanang fishing community's livelihoods and the exploration of local area potential to foster sustainable careers, upgrading of fresh seafood products and process coastal communities project, Nakhon Si Thammarat, Blue crab bank project and further activities to manage coastal resources and added value for communities in Nakhon Si Thammarat and Surat Thani, Wang Ang and Ban Sang Viman community agricultural health improvement project, and Thai herbal medicine and Thai massage village project to promote and increase the value of creative tourism.

Furthermore, Walailak University is actively involved in a plant genetic conservation project initiated by Her Royal Highness Princess Maha Chakri Sirindhorn. The coordination center for this project is based at the Botanical Park within the university. The university fosters research collaboration among its faculty, researchers, and academics. It also partners with local schools and government organizations to advance research and academic services, aligned with the goals established by the Department of Educational Promotion and Service (DEPS). In the fiscal year 2022, there are 36 contracts for research funding with lecturers and academics, with a research funding amount of 9,040,000 baht.

On January 24th, 2022, Prof. Dr. Thawatchai Supadit, Acting Vice President, on behalf of the President of Walailak University signed a Memorandum of Understanding (MOU) with Mr. Suwarong Wongsiri, Deputy Director of the National Science Museum Organization with Assistant Prof. Dr. Rungrawee Jitphakdee, Director of the Botanical Park, Walailak University and Dr. Kannika Chen, Deputy Director of the National Science Museum Organization witnessed the signing ceremony. The aim of MOU is to develop a learning center for the Natural History Museum, Walailak University to be a living source of learning and an outstanding tourist attraction in terms of education and nature of the southern region.

On February 28th, 2022, Prof. Dr. Thawatchai Supadit, Acting Vice President on behalf of Walailak University Signed a Memorandum of Cooperation with Mr. Ramet Promyen, Deputy Director of the Office of Knowledge Management and Development and Director of the National Discovery Museum Institute (Museum Siam) to establish the Thap Rattana Ratchasuda Natural History Museum, Walailak University to be an important source of learning in the South and management according to international standards of learning resources.

2. Promote research complying with national development strategies through the mechanism of WU Center of Excellence and a series of high-impact research projects.

In order to enhance research output, Walailak University has instituted Key Performance Indicators (KPI) to evaluate the Research Centers and Centers of Excellence. These indicators include securing research funding of 1,000,000 baht/year from government agencies, domestic private sectors, and foreign agencies respectively, engaging in at least 1 research collaboration project, and publishing research articles in the Scopus database that contribute to an increased Percentile value.

Currently, the university has 26 Centers of Excellence with outstanding achievements as follows:

- **Center of Excellence for Ecoinformatics** received 9.55 million baht in research funding from government agencies, 1.2 million baht from domestic private sectors, 1.93 million baht from foreign agencies, and 3 research articles published in SCOPUS database (95.10 scores).

- **Informatics Innovation Center of Excellence (IICE)** received 13.80 million baht in research funding from government agencies, 0.80 million baht from domestic private sectors, and 3 research articles published in SCOPUS database (92.60 points).

- **Food Technology and Innovation Research Center of Excellence** received 0.62 million baht in research funding from government agencies and 0.62 million baht from the domestic private sector. There have been 6 research collaboration projects and 13 research articles published in SCOPUS database (85.15 points).

- **Functional Materials & Nanotechnology Center of Excellence** received 7.28 million baht in research funding from government agencies and had 7 research articles published in SCOPUS database (74.70 points).

- **Biomass and Oil Palm Center of Excellence** received 3.38 million baht in research funding from government agencies, 1.26 million baht from domestic private sectors, 1.11 million baht from foreign agencies and 2 research articles in SCOPUS database (68.99 points).

- **Center of Excellence in Wood and Biomaterials** received 9.03 million baht in research funding from government agencies, and 0.565 million baht from domestic private sectors, and had 2 research articles published in SCOPUS database (63.50 points).

- **Research center in Tropical Pathobiology** received 3.45 million baht in research funding from government agencies and 6 research articles published in SCOPUS database (55.60 points).

- **Research Excellence Center for Innovation and Health Products** received 1.5 million baht in research funding from government agencies, 1.26 million baht from domestic private sectors, 1 research collaboration project, and had 4 research articles published in SCOPUS database (53.10 points).

Important research collaboration projects with centers of excellence/research centers include:

- **Center of Excellence in Innovation of Essential Oil and Bioactive Compound**, in collaboration with Ottawa University worked on the research project: Antioxidant activity of dried fish after exposure to hot smoking and Litsea cubeba oil vapor and antioxidant properties of its protein hydrolyzate and peptide fractions.

- **Food Technology and Innovation Research Center of Excellence** with researchers from the Department of Food Science, College of Food and Pharmaceutical Sciences, Ningbo University, China on the Agreement of Intent of Introduction of Foreign Experts project.

- Received a budget from **SEAMEO STEM ED Center** for the STEM Education for Sustainable Development Goal project in organizing an international conference/seminar "Walailak Research Convention 2022" on the occasion of the 30th anniversary of Walailak University, Important projects are as follows:

On March 28th-29th, 2022, the **Center of Excellence Research for Melioidosis and Microorganisms** collaboration with the **Research Excellence Center for Innovation and Health**

Products, the Hematology and Transfusion Science Research Center, and the Movement Science and Exercise Research Center organized a SAH International Conference 2022 "Allied Health Sciences for Health and Wellbeing in The Post COVID Pandemic".

Center of Excellence for Ecoinformatics organized a conference on the topic of "Smart Education in the Post Covid Pandemic" on March 28-29, 2022.

Center of Excellence in Marijuana, Hemp and Kratom held a conference on "Cannabis, Hemp and Kratom management and health" on March 29, 2022.

Excellence Center for Dengue and Community Public Health held a conference on "Emerging Virus Infection & Disease Prevention and Control in the Next Normal" on 29-30 March 2022.

In addition, on June 21st, 2022, Walailak University also welcomed the Ecological Research Group, Integration of Agriculture and Technology from Mae Fah Luang University to create a network of cooperation with external research institutes in order to strengthen academics and expand research collaboration between institutions in the future. Mae Fah Luang University has visited and established a research network with 3 Centers of Excellence at Walailak University, namely the Food Technology and Innovation Research Center of Excellence, the Center of Excellence in Wood and Biomaterials, and the Center of Excellence for Innovation and Health Products.

On December 20th, 2021, Assoc. Prof. Dr. Thanongsak Imjai received a petty patent on the "Honeycomb Composite Wall" which is a wall used in the construction of residences and buildings. The wall functions as a building border, providing protection and safety against environmental elements. It is easily installed by technicians due to prefabricated components that eliminate the need for surface plastering. This will speed up construction, and it can be designed as load-bearing, eliminating the need for beams. This cost-effective approach saves time and enhances efficiency for residents.

On December 20th 2021, Assoc. Prof. Dr. Wattanapong Kurdthongmee received a petty-patent on the subject of "hand touching the face warning device" which is a device that processes hand movements into facial area and alerted the user. This device effectively minimizes the habit of touching the user's face, thereby lowering the risk of exposure to the nose, mouth, and eyes. It is portable and operates autonomously, without requiring computer processing or video camera usage for image capture. Additionally, it's suitable for users of various ages and can be easily installed.

Associate Prof. Dr. Mudtorlep Nisoa, Head of Plasma and Electromagnetic Waves Research Laboratory, Food Technology and Innovation Research Center of Excellence and Functional Materials & Nanotechnology Center of Excellence together with Mr. Phairote Phoothong, Manager Director of

Saeng Aroon Palm Oil Limited partnership worked on the project "Learning Center on Production of Premium Grade Oil Using Microwave Heating Technology and Portable Doby Meter" which is the collaboration between Walailak University and Saeng Aroon Palm Oil Limited partnership to jointly transfer technology to farmers and entrepreneurs.

The research team from the Center of Excellence on Wood and Biomaterials, Walailak University, has developed a pre-treatment process for rapidly drying oil palm wood without causing cracks or warping. This innovation addresses a long-standing issue in the industry that has persisted for over two decades. It is a pioneering achievement worldwide, and the team is in the process of registering the intellectual property in three different countries.

II. Develop community relations

1) The Center for Academic Services as the main agency promoting activities with the community

The Center for Academic Services has continuously organized activities with local communities through activities on technology transfer, research, and academic services created strengthening the community and fostering unity. This year, the center is actively engaged in 20 significant collaboration projects, including initiatives like the Government Savings Bank Yuwaphat Rak Thin Project, the enhancement of fresh seafood and coastal community products in Nakhon Si Thammarat Province, the establishment of a Blue Crab Bank and coastal resource management for communities in Nakhon Si Thammarat and Surat Thani, the development of quality control standards for Thai geographical indication products (Internal Control) for Khao Khiri Wong mangosteen products, customer satisfaction surveys for Nakhon Si Thammarat Provincial Administrative Organization and 8 sub-district administrative organizations, and training and certification/monitoring activities for geographical indications (GI) in Surat Thani.

2) Expanding the strength of various projects that have already been implemented are as follows:

Research and Academic Service for the restoration of the blue crab resources project has เฝือก an impact on more than 84 coastal communities in Nakhon Si Thammarat and Surat Thani area by encouraging fishermen to breed blue crabs and release them back to the sea. Consequently, the local fishermen have witnessed a significant rise in their daily catch, with their average increasing from about 5 kg to over 10 kg. Moreover, the income of blue crab fishermen has surged from an annual average of 120,000 baht to 250,000 baht due to the enhanced population of blue crabs in natural water sources. Furthermore, the Blue Crab Bank project has also facilitated the formation of a housekeeper group, which has taken strides in establishing a unique blue crab menu, enhancing seafood processing skills, and setting up community shops to increase their earnings. As a remarkable outcome, the Blue

Crab Bank in Nakhon Si Thammarat was honored with a national award, recognizing it as an exemplary community learning center.

Furthermore, this project has had a significant influence on the elevation of the "FISHERY IMPROVEMENT PROJECT" assessment level, advancing from level C in 2018 to level A from 2019 to 2021. This achievement has instilled greater trust in foreign nations regarding blue crab exports. Data provided by the Thai Frozen Association indicates that the annual value of blue crab exports to foreign countries stands at approximately 1,500 million baht. The positive assessment outcome has effectively addressed trade barriers and expanded marketing avenues for international collaborators. The Blue Crab Bank results in Walailak University have been listed in the world's top 100-200 by THE Impact Ranking in the SDG14.

Assoc.Prof.Dr. Warin Intana, Lecturer of School of Agricultural Technology and Food Industry and Head of Tropical Crop Research Units, Walailak University received "Inventor with the Highest Contribution to Economic Value in the Southern Science Park Network Award" presented to recognize researchers devising outstanding innovations and passing on the knowledge to both public and private sectors to generate high total income. The ceremony was organized by Southern Thailand Science Park, Prince of Songkla University (PSU) between 26 and 27 February 2022 and the award was presented by Asst. Prof. Dr. Niwat Keawpradub, President of Prince of Songkla University.

Walailak University researchers winning 2 Excellence awards in the AIC Award presentation 2022 and receiving a plaque from Minister of Agriculture and Cooperatives

Walailak University researchers' studies on the restoration of blue crab resources and Trichoderma 5+ innovation under the AIC Center, Nakhon Si Thammarat Province won the first prize in the AIC Award 2022 competition as best innovations. The researchers received an award plaque from Dr. Chalermchai Sri-on, Minister of Agriculture and Cooperatives (MOAC).

On June 30th, 2022, Associate Prof. Dr. Warin Inthana, Director of the AIC Center, Nakhon Si Thammarat, revealed that the Ministry of Agriculture and Cooperatives had organized the AIC Award 2022 Agritech and Innovation Center contest to search for projects or studies that address national development in economic, social and environmental aspects. The selection included works conducted nationwide and Walailak University, under the AIC Center, joined the contest and won the Excellence Award.

Livable Community in the Upper South Project

This health promotion and elderly network project in Nakhon Si Thammarat has encompassed 8,380 households, aiming to enhance well-being among the elderly population. This initiative has led to the creation of a "Livable Communities in the Upper Southern Region" knowledge hub, addressing 16 key concerns. These achievements encompass the establishment of a robust community leadership

council, improved household economies within the target group, enhanced physical activity levels, greater health self-awareness among the elderly, cultivation of youth leaders through community development volunteer programs, decreased chemical usage in agriculture, fewer accidents, and a reduction in alcohol and tobacco consumption, among other positive outcomes.

A project for mobility rehabilitation for the elderly in bed-ridden homes

The center for Academic Service together with School of Allied Health Sciences has implemented this project. It was found that after receiving continuous care for 1 year, the patient could be rehabilitated to be able to move and some people who have just started getting sick can walk and do activities in daily life.

3) Organizing community meetings every end of the year to report the progress of the university and meet with community leaders around the university every 3 months.

On February 10th, 2022, Prof. Dr. Sombat Thamrongthanyawong, Acting President of Walailak University, Directors and personnel welcomed Mr. Kriengsak Phadungkarn, President of the Thai Buri Subdistrict Administrative Organization, along with the management team, on the occasion of accepting a new position. In addition, Partners in education and health development, led by Mr. Faisal Yikob, Director of Chom Chon Mai School, and Mr. Somchok Nongnual, Director of Chom Chon Satit Walailak Pattana Health Promoting Hospital exchanged strategies to improve the quality of life of people in the sub-district to achieve the Sustainable Development Goals (SDGs).

4) Cooperate with agencies in Nakhon Si Thammarat both government agencies and private sectors

On January 22nd, 2022, Walailak University together with the provincial fisheries and network partners with Mr. Trirat Chaiyarat, Deputy Governor of Nakhon Si Thammarat presided over the opening ceremony of **The 2nd Blue Crab Feeder Festival to raise the level of BCG-based economy in Nakhon Si Thammarat** at 1st floor, Central Plaza, Nakhon Si Thammarat. The event featured the sale of products including blue crabs and local seafood items. Additionally, there was a "Blue Crab Lucky Eggs" activity, and outcomes from the "Integrated Sub-District Economic and Social Upgrading Project (1 Sub-District, 1 University)" were showcased. Walailak University managed the first phase of this project, which covers 36 sub-districts across four southern provinces. The Blue Crab Bank plays a crucial role in enhancing community mechanisms and resources within the region. It contributes to community resilience post-COVID-19, fostering learning and adaptability for survival. This initiative significantly boosts the blue crab population in Thai waters, leading to increased catches and at least a 20% rise in fishermen's earnings compared to their original income levels.

On January 17th, 2022, Associate Prof. Dr. Rong Bunsuaykwan, member of the House of Representatives Nakhon Si Thammarat, Palang Pracharat Party, together with Prof. Dr. Thawatchai Supadit, Acting Vice President of Walailak University, Assistant Prof. Dr. Nukul Sukswan, Acting Assistant to the President, Mr. Krajad Kanchanaklod, Director of the Machinery Administration Section 7, Royal Irrigation Department, and Mr. Thanakrit Purinsuwan, Village Headman of Village 2, Pho Thong Subdistrict, Tha Sala District, Nakhon Si Thammarat, visited the construction site of the Kaem Ling Project with assembly buildings on an area of more than 200 Rais to address issues of water scarcity for consumption, flooding during the rainy season, and facilitating water usage for hospital patients at Walailak University Hospital.

On March 18th, 2022, the Walailak University Hospital together with Division of Corporate Communication (DCC), Walailak University and Tha Sala District volunteers of Nakhon Si Thammarat organized activities on the occasion of National Volunteer Day 2022 to rejoice and raise morale for volunteers who work with devotion to create a good quality of life for the Thai people.

On May 3rd, 2022, Prof. Dr. Sombat Thamrongthanyawong, Acting President of Walailak University, welcomed Mr. Kraisorn Wisitwong, Governor of Nakhon Si Thammarat, to chair the meeting aimed to drive the development of Nakhon Si Thammarat in collaboration with Walailak University with Mr. Sompong Makmanee and Mr. Sanan Sonthimuang, Deputy Governor of Nakhon Si Thammarat, Heads of government and related agencies in Nakhon Si Thammarat and the management team of Walailak University attending the meeting.



Walailak University holding the community relation event, “30 years of Walailak University, the University of Quality”

On August 30th, 2022, the Division of Corporate Communication (DCC), Walailak University, in collaboration with Nakhon Si Thammarat province, held a community relation event for all public and private sectors, heads of government agencies to meet and present progress in performances and seek approaches to sustaining and advancing the province’s development plans. In addition, Walailak University was also celebrating the 30 years of the university foundation as the “University of quality”. On this occasion, joining the ceremony were heads of Nakhon Si Thammarat’s government agencies, administrators of the public and private sectors as well as local government agencies, Village Health Volunteers, Thasala Municipality Elderly Club, Walailak University administrators, the press and students from School of Political Science and Public Administration, Walailak University, totaling 700 attendees.

- On February 11th, 2022, Walailak University and Sichon Hospital signed an MOU to facilitate the exchange of international medical students. The collaboration aims to jointly produce doctors and provide comprehensive and standardized medical and public health services in alignment with government policies to enhance people's well-being. Through this partnership, both institutions will collaborate in various ways, including organizing joint learning opportunities for medical students, facilitating student exchanges between Walailak University and Sichon Hospital, arranging mentors and assistant lecturers, exchanging medical personnel in areas with shortages or specialized expertise, and collectively enhancing the quality of education provided by both institutes.

- On April 1st, 2022, Mr. Sompong Makmanee, Deputy Governor of Nakhon Si Thammarat Province, Head of government President of Walailak University, lecturers, personnel, and students of the Walailak University welcomed Mr. Somsak Thepsutin, Minister of Justice opened the event "The 2nd of Kratom, Build the Thai economy How to use it to be Valuable and Sustainable" with Mr. Thanawat Nitikarnjana, Advisor to the Minister of Justice, Mr. Wichai Chaimongkol, Secretary-General of the Narcotics Control Board attending the event at the main auditorium, Thai Buri Building, Walailak University. The activity was organized by the Ministry of Justice and the Office of the Narcotics Control Board. Walailak University is an educational institution that has Centers of Excellence and professors who conduct research on "Kratom, Cannabis, and Hemp" to study their properties and efficiency. It is anticipated that Walailak University will play a significant role in the collaborative effort to promote the economic development of Kratom as a valuable plant, in conjunction with both government and private sectors.

Prof. Dr. Sombat Thamrongthanyawong, President of Walailak University, and Mr. Yuthasak Supasorn, Governor of the Tourism Authority of Thailand jointly signed a Memorandum of Understanding (MOU). School of Informatics, Walailak University and Tourism Authority of Thailand, Nakhon Si Thammarat (TAT) jointly developed research into mobile applications "**Mana Ma Nakorn**", which uses Augmented Reality technology, also known as AR to promote digital marketing in tourism which will help meet the lifestyle of the new generation of tourists and supporting local tourism business operators to generate income that will help revitalize the tourism industry.

On November 29th, 2021, Prof. Dr. Sombat Thamrongthanyawong, President of Walailak University and Dr. Sirisak Suksujaraporn, Manager Director of Right Reactivation Public Company Limited, signed a Memorandum of Understanding (MOU) for academic development and activated carbon industry research, especially the production and export of activated carbon from wood and domestic biomass.



Walailak University joining hands with the public sector under the Memorandum of Understanding (MOU) on the project “Marijuana Research for Medical Innovations”

Professor Dr. Wanna Choorit, Acting President of Walailak University (WU), and Mr. Thanat Cheowchanaksorn, Chief Executive Officer of Thanat Herb Siam CBD and The Social Enterprise CO., LTD., have recently participated in an MOU signing ceremony to formalize their collaboration on the Marijuana Research for Medical Innovations project at Walailak University. Through this partnership, both entities will work together to advance research on the medicinal applications of marijuana and promote a comprehensive understanding of its benefits, ensuring public accessibility to accurate information.

On March 28th, 2022, Prof. Dr. Sombat Thamrongthanyawong, Acting President of Walailak University, and Dr. Yongyot Thammawut, Director-General of the Department of Thai Traditional and Alternative Medicine along with the executives of 6 companies, namely Dr. CBD Co., Ltd., Thanat Herb Siam CBD & THC Social Enterprise Co., Ltd., Quad Play (Thailand) Co., Ltd., Shuhada (Thailand) Co., Ltd., Lao Bandit Green Co., Ltd., and High Green Farm Co., Ltd. jointly signed a Memorandum of Understanding (MOU) to develop research on herbs, cannabis, hemp and kratom on research projects totaling more than 10 projects. Walailak University has established a committee dedicated to overseeing research, development, and utilization endeavors related to cannabis, hemp, and kratom. This committee aims to facilitate the advancement of research, development, and innovation in these areas.

Furthermore, this research and innovation initiative seeks to fulfill both domestic and international market demands. It also supports research in areas such as strain development, cultivation systems, and production techniques for cannabis, hemp, and kratom across an area of over 130 Rais. Additionally, it facilitates private sector access to scientific tools for laboratory testing in alignment with these research projects. Under this project, researchers from Walailak University and other universities collaborated with more than 10 private researchers in the development of research on herbs, cannabis, hemp and kratom.

On September 14th, 2022, Prof. Dr. Sombat Thamrongthanyawong, Acting President Walailak University signed the memorandum of understanding (MOU) with the Health Systems Research Institute (HSRI), the National Science and Technology Development Agency (NSTDA), the National Health Security Office (NHSO), Region 11, Sichon Hospital and Koh Samui Hospital signing an agreement for the development of telehealth technology to care for patients in the upper southern region.



On 25th July 2022, Prof. Dr. Sombat Thamrongthanyawong, President of Walailak University, signed a Memorandum of Understanding (MOU) on Cooperative and Work-Integrated Education (CWIE) in 2022 with over 22 partner organizations from several private sectors and industries including hospitality and tourism industries, and public sectors. The signing of the MOU aims to establish a collaborative endeavor that promotes cooperative and work-integrated education, focusing on academic and professional skills aligned with the demands of the current job market. This scheme is designed to align with the university's 8-month cooperative education program.

On September 16th, 2022, Walailak University signed a memorandum of understanding (MOU) with 18 agencies to coordinate research and development. The goal is to foster and enhance entrepreneurship in the fields of Science, Technology, and Innovation (STI) by leveraging shared resources and promoting

the practical utilization of research outcomes. This includes encouraging the sharing of tools, equipment, knowledge, and effective management practices to drive entrepreneurship in STI.

Walailak University by the Center for Educational Services organized a meeting project for administrators of the Secondary Educational Service Area Office and School administrators and guidance teachers in 14 southern provinces to create a network of cooperation and disseminate learning programs with the modern technology of Walailak University with more than 1,000 participants via ZOOM.

On June 30th, 2021, Walailak University, in partnership with the Health Systems Research Institute (HSRI), conducted an event titled "Launch of a Research Project for Utilizing Remote Health Technology in Managing Patients with Type 2 Diabetes and Hypertension." This initiative, funded by HSRI, involves the integration of Telehealth technology, developed by the National Science and Technology Development Agency (NSTDA), with innovative technology created by a team of researchers from WU.

Walailak University as a co-hosted the 2022 Taiwan - Thailand Smart Healthcare Conference on: Reshape the New Normal - Smart Technology on Precision and Regeneration Medicine” Sheraton grand Sukumvit Hotel, Bangkok on 6th September 2022.

On June, 26th 2022, the Center for International Affairs (CIA) organized a research discussion meeting with the French National Research Institute for Sustainable Development (IRD), France, to present its research framework and performance results in collaboration with Thailand and Thai universities.

Associate Prof. Dr. Manas Kotepui from the School of Allied Health Sciences at Walailak University was honored to be a guest speaker at the 15th International Congress on Parasitology (ICOPA) 2022, held in Copenhagen, Denmark from August 21st to 26th, 2022. He was invited to deliver a lecture on the topic "Coinfections in Malaria."

Strategy 7

Property management of the university to increase the potential and the ability to compete

I. Student dormitory services (with a target of 60%)

Currently, there are 6,156 students living in the university's dormitories out of the total number of 10,965 students, representing 56.14%. The university has a total of 17 dormitories to accommodate students.



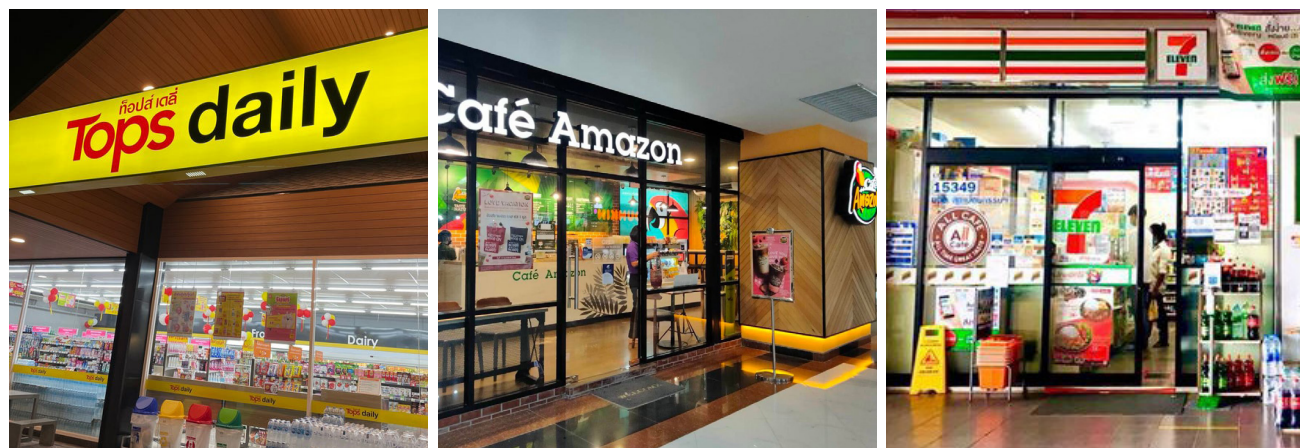
II. Service of Chor Pradu Food Center

As part of its commitment to enhancing student quality of life, Walailak University has undertaken facility renovations and expansions. These initiatives are aligned with the university's focus on student well-being, ensuring a conducive and joyful learning environment within the campus town. An example of such an upgrade is the Chor Pradu Food Center, which offers essential services and amenities to cater to the students' needs. Currently, Chor Pradu Food Center has more than 70 standardized restaurants open for service. Under the campaign to save the environment and control the standards of food quality, cleanliness, safety and convenience for students, personnel and the general public. Additionally, the building promotes the reduction of foam and plastic bags to reduce waste. Moreover, it also helps nearby communities by providing space for them to set up shops in the area.



III. On-campus store services

The university has implemented the Thai Save Thai and Thai Stop COVID+ standards set by the Department of Health, Ministry of Public Health by conducting risk assessments for the transmission of COVID-19 among store and reterance in university so that students and personnel can be confident that the service of stores meets safety standards of COVID-19 prevention. Recently, Walailak University has introduced new facilities on campus including Top's Daily, Café Amazon, and 7-Eleven branches in the Learning Center building. A store called All Café has also been added, offering snacks and drinks. To improve communication, small cell service points were installed in student dormitories. These additions enhance campus life and convenience for students.



IV. Book Center Services and Souvenir goods

The university recently reorganized the Walailak University Book Center, placing it under the Business and Product Development Department of Walailak Property Management Center. Over the past year, the center has offered book distribution services, sold souvenirs including benjarong bowl sets, coffee mug sets, Yeti glasses, gift basket sets, and university emblem brooches. Additionally, they provide a customized product service for students and organizations looking to create specific items according to their needs.



Summary of income generated from the service of the Walailak Property Management Center in 2022 with a total income of 65.973 million baht, consisting of 1) Business area 8.036 million baht 2) Joint venture project 0.15 million baht 3) Stores and restaurant (canteen area) 2.004 million baht 4) student dormitory services 48.428 million baht and 5) WU Book and WU Shop 7.354 million baht (data as of August 31st, 2022)

V. A joint venture with Private sectors

1. Solar Farm joint venture Project, Walailak University

The project's construction is underway and is projected to be completed by November 2022, with the electricity supply connection to the university's power system. The Ministry of Higher Education is also in the process of appointing a supervisory committee to review technology changes in the joint venture project before submitting to the Office of the Attorney General for consideration and signing the additional contract memorandum.

2. A joint venture Project of British Panyadee International School, Nakhon Si Thammarat

To continue the development of high-quality youths who will be selected to study at the university level at Walailak University and support the children of personnel at all levels, including from nearby provinces who wish to enroll their children to study in international schools. Currently, the project is in the process of requesting to extend the period for signing the contract and implementing the project for a period of 1 year, with the deadline for the extension being on April 18th, 2023.

3. A joint venture dormitories Project for student of School of Medicine, Nursing and Pharmacy and a joint venture project for personnel dormitories of Walailak University Hospital.

Currently, Tekatn Co., Ltd. is in the process of reviewing (draft) contracts for both projects that have been considered by the Office of the Attorney General before signing a joint venture project contract with the university and will continue in the relevant sections.

4. Commercial space joint venture Project in front of Walailak University and a joint venture project for a riverside restaurant at Walailak Park. Currently, it is in the process of discussing issues that both projects have not been included in the joint investment project plan 2020 - 2027 to the State Enterprise Policy Office (SEPO).

Strategy 8

Development of Walailak University Hospital to be recognized for high potential and ability to serve as a pillar of the health of the people in the southern region



I. Development for Walailak University Hospitals to be able to service for In-Patient Department (IPD) of 120 beds on January 24th, 2022.

Currently, Walailak University Hospital has opened 257 beds in service, with a total of 110,331 people receiving services in the fiscal year 2022, consisting of 106,819 out-patients and 3,512 in-patients (data as of September 19th, 2022). To enhance its services, the Walailak University hospital has provided facilities to accommodate patients, medically equipped tools, and equipment to facilitate work and patient care. It has also created an environment that promotes good health and supports personnel development in terms of academic conferences, training, further education, and awareness of occupational health and safety in the workplace and developing knowledge of a good working environment.

Walailak University Hospital moved to the main office on November 15th, 2021, providing for out-patients, and In-patient Department (IPD) with 120 beds will be available in late January next year.

On November 15th, 2021 Walailak University organized the opening ceremony of the Walailak University Hospital's headquarters. Presiding over the event were Prof. Dr. Sombat Thamrongthanyawong, President of Walailak University, Prof. Dr. Tawadchai Suppadit, Vice-President of Planning and Development, and Dr. Likit Matrakul, Director of Walailak University Hospital. Together, they welcomed attendees, including patrons who have given financial support for medical equipment, administration staff, and the media, to the Administration Building, 3rd Floor Conference Room, Walailak University.

Walailak University Hospital prepared to open a 150-bed COVID-19 ward on the 5th floor of Buildings B and C to support COVID-19 patients that may increase during the Songkran Festival starting April 15th, 2022, onwards, focusing on serving the yellow patients group according to Medical Department's Treatment Guidelines.



II. Developing Walailak University Hospital to be able to service for in-patients in the size of 426 beds within the beginning of 2023

On July 18th, 2022, Walailak University Hospital has applied for registration with the Social Security Office and underwent assessment from the Social Security Assessment Advisory Committee. The initial assessment results were expected to be able to pass the criteria and accept the insured from January 2023 onwards, coordinating with the health insurance company to cooperate in health insurance rights with hospitals. In addition, the hospital now offers expanded services, including specialized clinics and a 24-hour emergency department, available since May 23, 2022.

Furthermore, Walailak University Hospital intends to enhance staffing based on its management framework and service requirements. It also plans to apply for quality assurance (Hospital Accreditation; HA) from the Institute for Quality Assurance (step 1) in May 2023. Currently, the construction of the Walailak University Hospital phase 1 and phase 2 has been completed. The contractor has submitted the 426-bed hospital since June 30th, 2022.



III. Developing Walailak University Hospital able to services in 8 specialized branches in 2024 in order to be ready services covering the upper southern region

Currently, Walailak University Hospital has opened medical services in 12 specialties (Including dentistry) and there are outside doctors to help check in the other 2 specialties (Physical Medicine and Rehabilitation and Otolaryngology). In the fiscal year 2022, the university is working on establishing an ophthalmology center, currently coordinating with the National Health Security Office (NHSO) and planning district-level patient referrals. The center will specialize in treating childhood strabismus with a dedicated specialist unique in the upper southern region. Additionally, the hospital is collaborating with experts to develop guidelines for expanding its specialized branches.



IV. Developing Walailak University Hospitals to be ready to teach medical students in the clinical level will accept first-year medical students in 2026

The hospital plans to apply for accreditation (Hospital Accreditation; HA) from the Institute for Quality Assurance in stage 1 in May 2023 and will be open for service with 426 beds in 2024. According to the requirements of the Medical Council of Thailand requiring the main hospital or main clinical practice facility or teaching hospital must be a hospital of a level not lower than a large general hospital (sized 250-500 beds), and consisting of specialists in all major fields.

V. Encourage medical professors to attend specialized medical training abroad in all fields in order to be the trust of the service recipients

In 2022, 53 medical personnel out of a total of 171 (including doctors, nurses, pharmacists, medical technologists, radiologists, and public health academics) have undergone specialized development, accounting for 30.99 percent.

On March 31st, 2022, Prof. Dr. Sombat Thamrongthanyawong, President of Walailak University, Assistant prof. Dr. Udomsak Sae-Ngow, Acting Director of the Hospital, Assistant Prof. Lunla Udomwech, Acting Deputy Director for Medical Affairs, Assistant Prof. Jiraphat Nawarat, Acting Deputy Director of Administration, and DR.Somchai Waikittipong, Thai Board of Thoracic Surgery specialist, attended to discuss, exchange, and study possibilities in establishing a heart disease center in the form of cooperation between the public and private sectors.

Furthermore, Walailak University Hospital has invited a heart specialist to discuss with Lieutenant Colonel Dr. Chokchai Suwannakijborihan, Director of the Royal College of Surgeons of Thailand, Associate Prof. Dr. Damras Trisukosol, M.D., Senior Director of Cardiology Bangkok Heart Hospital, and Mr. Sombat Kanyaphan, President of the Association of Cardiologists and Thoracic Technologists has been attended.



VI. A private foundation will build and submit 114 beds of “Sri Thammaracha” monk building to the Walailak University Hospital in 2023 to cause WUH has the potential to service approximately 540 beds

The "Srithammaracha" monk building project at Walailak University Hospital, funded by Sri Thammaracha Foundation and executed by Power Line Engineering Public Company Limited, has a total project value of 169,595,000.00 baht. The building will provide accommodation for 114 beds dedicated to monks and religious leaders. As of August 3rd, 2022, the construction has been ongoing for 245 days, with a cumulative progress of 40.96%.

In addition, Walailak University has prepared to establish the of Walailak University Hospital Foundation as a center to raise funds from faithful people and allocate funds to support medical development including supporting education, and research for the benefit of the people. To create cooperation in supporting the foundation from both public and private organizations, which will make the foundation's operations smooth and more efficient. Currently, a draft list of committee members and draft regulations have been prepared and the foundation is expected to be established within beginning of the year 2023.



The President of Walailak University receives a donation to the Walailak University Hospital Development Fund from Kasetsart University alumni students 30th batch, totaling more than 3.5 million baht.



On June 20th, 2022, Walailak University received a donation of 2,000,000 baht from Krung Thai Bank to raise funds for Walailak University hospital and support scholarships in accordance with the memorandum of understanding, Smart University Development Project and Cashless Society (WU Smart Society) and financial management services via Krungthai Digital Platform between Walailak University (including Walailak University Hospital) with Krung Thai Bank Public Company Limited on March 29th, 2018, with the objective of enhancing the efficiency of education service providers and convenient for students and staff.

VII. Developing transportation routes in -out of Walailak University Hospital to be convenient

The expansion of the entrance-exit road in front of Walailak University Hospital is currently under construction. The university also plans to collaborate with private transportation companies to establish transportation routes for vans and minibusses, aiming to provide convenient transportation options for users accessing hospital services.



Strategy 9

Develop the potential of students in sports and health

I. Precipitation of Stadium Improvement and New Stadium Construction



II. Establishment of Sports Science and Health Promotion Center



1) Promote the teaching and learning of the sports science and exercise program to be well-known

In the year 2022, Center for Cultural and Sports Promotion has supported teaching and learning for sports science and exercise programs to organize physical fitness testing activities and prepare the field for various teaching and learning. Furthermore, it also develops potential and knowledge in sports science for sports science and exercises students through a workshop with the sports science and exercise department, School of Medicine which was held between 20th – 22nd of July, 2022 with students participating in the training and lecturers in sports science and exercise program as speakers.



2) Providing services to external communities, such as swimming skills teaching services to youth outside the university and providing services to the provincial football team to train at the university's field.

- Providing field services and signing a MOU with MH Nakhon Si City Football Club.
- Providing tennis court services and co-hosting sports competitions PPT- NSDF Youth Lawn Tennis Skill Development in the South together with the The Lawn Tennis Association Of Thailand (LTAT).
- Providing swimming skills teaching services to Sichonkunatarn Wittaya School every Tuesday from 11:00 a.m. -1:00 p.m., with a total of 40 students.
- Providing academic services for teaching swimming skills to the Hua Taphan Sub-district Child Development Center from 10:00 a.m. - 11:00 a.m.
- Providing artificial grass football field services to Muslim Santitham Foundation School to raise funds for scholarships for students.
- Providing artificial grass football field for training for Tha Sala Police Station.



On September 1st, 2022, Prof. Dr. Sombat Thamrongthanyawong, Acting President of Walailak University, and Mr. Monton Na Nakhon, President of MH Nakhon Si City Football Club, jointly signed a Memorandum of Understanding (MOU) between Walailak University and MH Nakhon Si Thammarat City Football Club. The MOU is aimed for utilizing of Walailak University's football field as a home field for league teams' visits and training sessions. This collaboration aims to support Walailak University's football players in entering the professional football industry.

Walailak University in coordination with Sports Authority of Thailand (SAT) and network partners held a training on sports science for personnel specializing in the field to promote Thailand's excellence in sports in line with the national strategies.

The Center for Culture and Sports Promotion, Walailak University co-organizes the training for sports science personnel with a regional department of Sports Authority of Thailand and the network partners between 20th and 22nd of July, 2022 to promote sports science workforce in the south of Thailand.



On 20th July, Prof. Dr. Sombat Thamrongthanyawong, Acting President of Walailak University, officially welcomed and opened the ceremony, followed by Associate Prof. Dr. Voravuth Somsak, Acting Vice President, giving a report at Hua Thapan meeting room, Walailak University hospital. The training attracted a number of academics and sports scientists as well as personnel in Thailand's sports network, students and interested public totaling 150.

3) Host a single sport competition every year to promote the image of the university to be widely known among universities

Walailak University has organized the sports competition PPT - NSDF Youth Lawn Tennis Skill Development in the South together with The Lawn Tennis Association of Thailand (LTAT) between 9th – 11th of July 2022, there were a total 600 of students, staff and the general public participating, with a satisfaction assessment score of 90 percent.

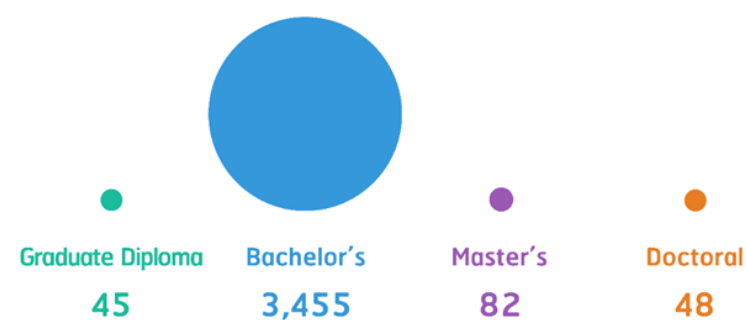
In addition, Walailak University is dedicated to fostering sports collaboration with other universities to engage students in regular sports activities. The university also aims to host one major sports event annually, which will enhance its reputation in the field of sports.



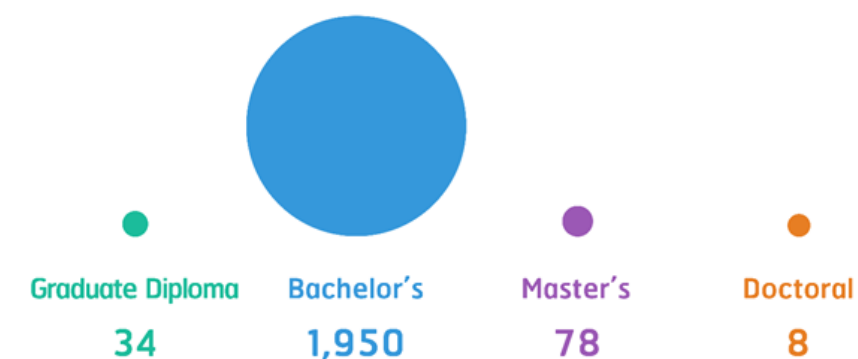
On September 11th, 2022, Prof. Dr. Sombat Thamrongthanyawong, Acting President of Walailak University, along with Mr. Tirat Chairat, Deputy Governor of Nakhon Si Thammarat, Mr. Ayuth Chaovalit, Deputy President of Nakhon Si Thammarat Provincial Administrative Organization, Mr. Monton Na Nakhon, President of MH Nakhon Si Thammarat City Club, executives, heads of government agencies jointly opened the central stadium of Walailak University. This is to support sports competitions and use it as a home field of MH Nakhon Si City. In addition, the first match was between MH Nakhon Si City and Phatthalung FC, with more than 2,000 of students, personnel, and the general public who interested in watching the competition.

Statistics

Number of New Students in 2022 Academic Year



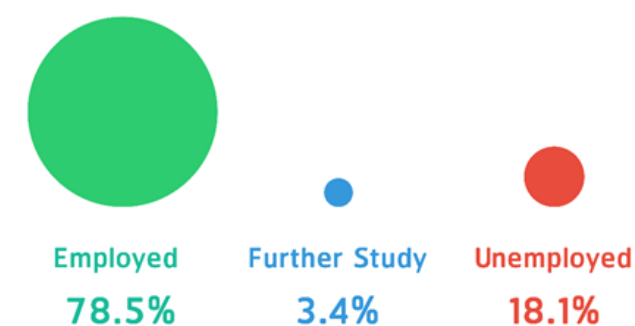
Number of Graduates in 2021 Academic Year



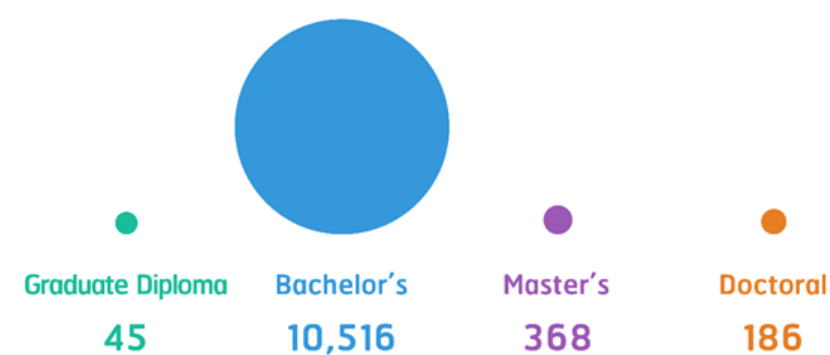
New Undergraduate Students in 2022 Academic Year
Distributed by Hometown Region



Employment Rate in 2020 Academic Year



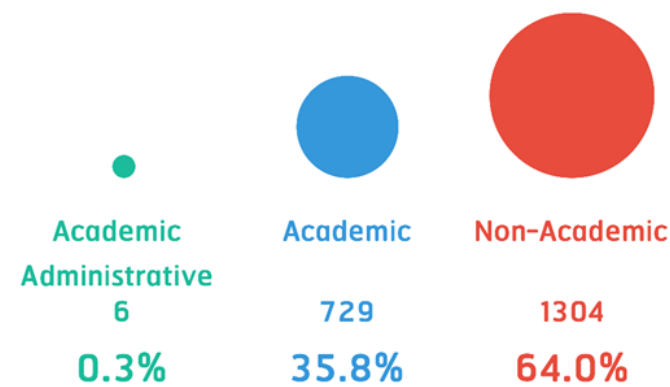
Number of Students in 2022 Academic Year



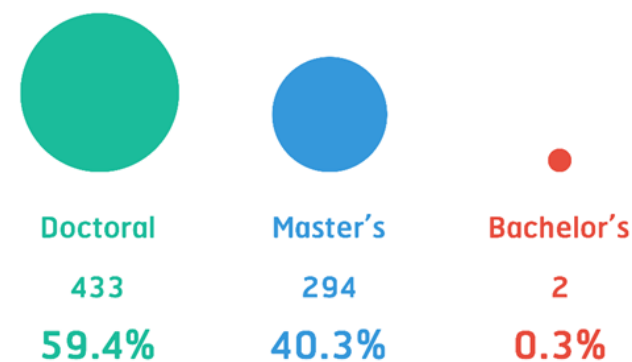
Employers' Satisfaction in 2020 Academic Year



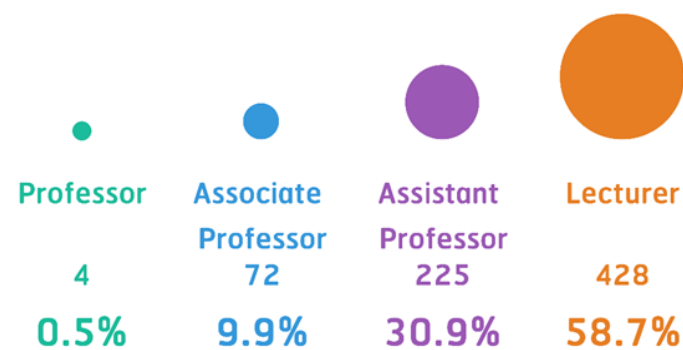
Number of University Staff in 2022 Academic Year



Academic Staff in 2022 Academic Year Distributed by Degree Awarded



Number of Academic Staff in 2022 Academic Year Distributed by Academic Appointment



Financial Report

Walailak University

Statement of Financial Position

On September 30, 2022

	หน่วย : บาท	
	2565	2564
สินทรัพย์		
สินทรัพย์หมุนเวียน		
เงินสดและรายการเทียบเท่าเงินสด	941,257,504.36	701,278,941.56
ลูกหนี้ระยะสั้น	84,318,149.29	115,181,155.83
เงินลงทุนระยะสั้น	1,249,038,773.40	1,240,705,270.54
สินค้าคงเหลือ	27,368,732.81	13,173,431.03
วัสดุคงเหลือ	5,799,086.56	6,456,799.22
สินทรัพย์หมุนเวียนอื่น	1,752,711.46	1,587,426.88
รวมสินทรัพย์หมุนเวียน	2,309,534,957.88	2,078,383,025.06
สินทรัพย์ไม่หมุนเวียน		
ลูกหนี้ระยะยาว	2,221,136.29	964,139.86
ค่าใช้จ่ายจ่ายล่วงหน้า	174,246.58	274,246.58
เงินลงทุนระยะยาว	42,497,491.93	51,684,892.10
ที่ดิน อาคาร และอุปกรณ์-สุทธิ	5,968,184,722.97	5,444,740,334.87
สินทรัพย์ไม่มีตัวตน-สุทธิ	44,138,196.40	60,211,068.48
สินทรัพย์ไม่หมุนเวียนอื่น	56,877,473.64	47,257,749.34
รวมสินทรัพย์ไม่หมุนเวียน	6,114,093,267.81	5,605,132,431.23
รวมสินทรัพย์	8,423,628,225.69	7,683,515,456.29
หนี้สิน		
หนี้สินหมุนเวียน		
เจ้าหนี้ระยะสั้น	181,233,370.09	123,068,150.79
เงินรับฝากระยะสั้น	24,508,952.33	9,473,705.81
หนี้สินหมุนเวียนอื่น	60,932,838.89	34,602,678.58
รวมหนี้สินหมุนเวียน	266,675,161.31	167,144,535.18
หนี้สินไม่หมุนเวียน		
เงินรับฝากระยะยาว	93,196,678.73	102,511,219.54
หนี้สินไม่หมุนเวียนอื่น	6,521,671.10	8,393,779.88
รวมหนี้สินไม่หมุนเวียน	99,718,349.83	110,904,999.42
รวมหนี้สิน	366,393,511.14	278,049,534.60
สินทรัพย์สุทธิ/ส่วนทุน		
ทุน	1,708,178,172.86	1,688,671,244.86
รายได้สูงกว่าค่าใช้จ่ายสะสม	6,389,600,993.40	5,701,838,813.92
องค์ประกอบอื่นของสินทรัพย์สุทธิ/ส่วนทุน	(40,544,451.71)	14,955,862.91
รวมสินทรัพย์สุทธิ/ส่วนทุน	8,057,234,714.55	7,405,465,921.69
รวมหนี้สินและสินทรัพย์สุทธิ/ส่วนทุน	8,423,628,225.69	7,683,515,456.29

Financial Report

Walailak University

Statement of Financial Performance On September 30, 2022

	Unit : Baht	
	2022	2021
Current assets		
Earnings from budget	1,787,399,000.00	1,765,133,200.00
Earnings from providing products and services	10,958,352.63	7,372,228.26
Earnings from educational management	641,890,900.50	598,144,762.38
Earnings from university assets	12,863,641.95	6,612,816.70
Earnings from nursing services	190,136,130.34	103,164,705.53
Earnings from academic services and projects	231,049,562.44	144,512,343.64
Financial support from Enterprise Units	101,551,755.85	88,481,501.48
Financial support and donations	218,169,326.47	76,870,542.93
Other earnings	85,655,675.58	93,754,079.18
Total earnings	3,279,674,345.76	2,884,046,180.10
Expenses		
Personnel	1,124,027,694.72	1,011,840,675.43
Honorarium	36,951,345.84	32,238,442.93
Operational costs	304,516,051.06	192,208,137.58
Supplies	94,269,271.37	66,534,561.18
Amenities	95,475,072.22	51,676,726.58
Depreciation and amortization	545,135,737.48	465,890,982.01
Hardware and Office supplies	20,430,189.26	39,903,214.70
Subsidy	366,744,094.06	252,046,165.83
Other expenses	16,200,758.94	47,444,783.75
Total expenses	2,603,750,214.95	2,159,783,689.99
Profit (Loss) before financial expenses	675,924,130.81	724,262,490.11
Financial expense	-	-
Profit (Loss) of net expenses	675,924,130.81	724,262,490.11

Editorial

Advisors

Prof. Dr. Sombat Thamrongthanyawong
Prof. Dr. Tawadchai Suppadit

Acting President
Acting Vice President,
Division of Planning and Strategy

Committee

Mr. Pipatpan Suwan-ougsorn
Mrs. Sasirat Prasartkaew

Head, Division of Planning and Strategy
Head, Subdivision of Institutional Research

Miss Waraporn Laempetch

General Administrative Officer,
Division of Planning and Strategy

Mr. Charnchai Tantiwattanodom

General Administrative Officer,
Division of Planning and Strategy

Compiled by

Mrs. Sasirat Prasartkaew
Miss Arpaporn Naphoom

Head, Subdivision of Institutional Research
General Administrative Officer,
Division of Planning and Strategy

Cover design and typesetting

Miss Narisa Buachuy

Education Technologist,
The Center for Library Resources and
Educational Media

Photography

Division of Corporate Communication
Miss Nantaporn Khantasuppahiran

Education Technologist,
The Center for Library Resources and
Educational Media

Year of Publication

2022



