

SDG REPORT

WALAILAK UNIVERSITY 2022 – 2023



QUALITY EDUCATION

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The Free Educational Resources for All at Walailak University

Walailak University extends its commitment to providing free access to educational resources for individuals not currently enrolled at the university through various avenues, including:

◆ **Training Courses:** Walailak University's schools offer short and long courses to the general public, enabling them to enhance their knowledge and acquire certificates that can boost their career prospects. A notable course is the "Artificial Intelligence (AI) and Practical Deep Learning Bootcamp," conducted by the Science and Technology Park.



◆ **Online Learning Courses:** Collaborating with MHESI, Walailak University offers free online courses that contribute to long-term higher education opportunities. The university also co-organizes open education through free online classes (WUMOOC) with MHESI, making quality education accessible to all. The example courses are Thinking for Personal Development, Information Ethics for Digital Citizenship, Healthy Sleep for Health and Safety. Furthermore, the Center for Academic Service, runs programs like "Walailak to Society" and the "Good Health Good Life at Walailak" radio channel to disseminate valuable health knowledge.

◆ **Free Library Services:** The Center for Library Resources and Educational Media (CLM) grants public access to library services, fostering learning opportunities for external individuals. The library facilities are designed to accommodate the underprivileged and disabled, featuring accessible amenities such as wheelchair-accessible aisles, Braille book services, and self-access online resources available to all users.

◆ **Computer Technology Services:** The Center for Digital Technology (CDT) offers complimentary access to university equipment for local schools facing challenges in technology-driven teaching and learning. Schools with limited resources can request IT support from the university, benefiting from computer hardware services and technical consultation to meet their educational needs.

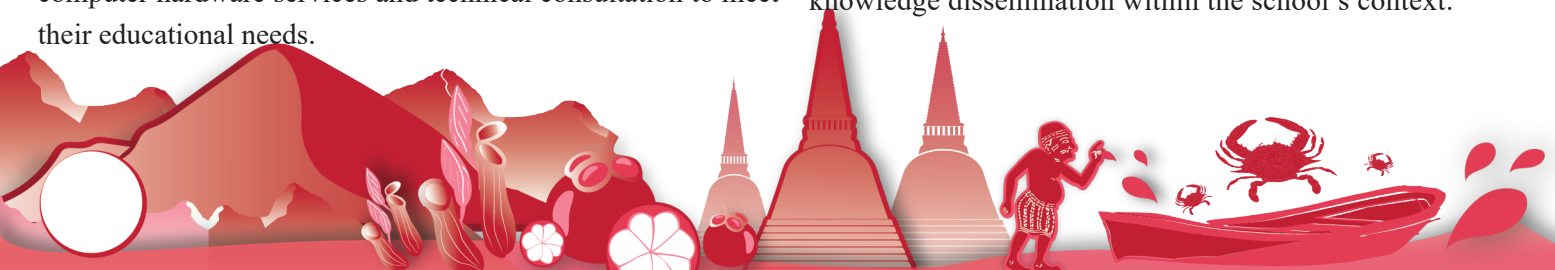
Additionally, one of the outstanding departments within the university that provides free access to a wealth of educational resources is Walailak Botanic Park. Visitors can partake in a variety of educational activities, including nature trails, academic camps, science camps, astronomy programs, herbal scent exploration, shuttle bus sightseeing tours, tree planting initiatives, and birdwatching expeditions. Moreover, WBP boasts numerous educational attractions, such as the Nepenthes House, the Herb Garden, the Sundial, the Maha Chakri Sirindhorn Natural History Museum, the Arid Plant House, and the Bota Banana Garden.

The Sufficiency Economy Learning Center Development According to the King's Philosophy



The Sufficiency Economy Learning Center at Chomchon Mai School, a collaborative effort between Walailak University, governments and private sectors, has undertaken an educational outreach program beyond campus. Beginning in 2018-2019, it initially focused on establishing a learning center following the Royal Initiative for Lunch of Students. In 2020, efforts shifted towards integrating students' classroom and out-of-classroom learning, resulting in the creation of a prototype curriculum. By 2021, the center had evolved into a model Sufficiency Economy Learning Center within the school that has developed a curriculum integrating with the Sufficiency Economy Philosophy. From this operation, Chomchon Mai School, therefore, won the award of best practice on in the Management of "the Development of the Sufficiency Economy Learning Center according to the King's Philosophy, Chomchon Mai School".

In 2022, the program's future goals include implementing a comprehensive and nutritious school lunch program, and ensuring student safety and nutritional needs. This encompasses educational management, instructional materials, and teaching methods aligned with sufficiency economy principles. Additionally, it aims to cultivate entrepreneurial skills and instill a self-sufficient economic philosophy in students, fostering regional expansion and knowledge dissemination within the school's context.





The Free Educational Event within the 11th Academic Conference and Exhibition Thailand's Resources

Walailak University was granted royal permission to host the 11th Academic Conference and Exhibition Thailand's Resources: 30 Years, RSPG for Real Benefits to the Public. This was a free educational event open to the public, held at the university to Her Royal Highness Princess Maha Chakri Sirindhorn for her ongoing commitment to national resource conservation efforts. The event aimed to provide an opportunity for youths, the general public, academics, the private sector and policy makers to explore and learn about the diverse potential of Thai resources.



The event also featured academic conferences on the School Botanical Garden, including 4 special lectures delivered by administrators and teachers, as well as 22 presentations, with an additional 8 presentations by students and youths.

In addition to the academic sessions, attendees enjoyed Southern Folk Art performances, performances by members of School Botanical Gardens, local restaurants and products, a Southern Local Products Fair and live performances by renowned singers and actors. It was anticipated that participants included representatives from Royal Initiative agencies across various regions and government agencies from all sectors of Nakhon Si Thammarat province, with an estimated daily attendance of 5,000 people.

The Twenty-Fourth Young Scientist Competition: YSC 2022

The Young Scientist Competition was initiated in collaboration with the National Metal and Materials Technology Center, National Center for Genetic Engineering and Biotechnology, National Nanotechnology Center, and the university network, including Naresuan University, Suranaree University of Technology, Ubon Ratchathani

University, Walailak University, Thammasat University and the Science Society of Thailand Under the Patronage of His Majesty the King, as well as support from Intel Microelectronic (Thailand) Limited. The aim is to support Thai youth to have the opportunity to develop their skills, knowledge, and abilities in science and technology, create innovative works, and select students representing Thailand to participate in the competition at the International Science and Engineering Fair (ISEF) in the United States, as well as pushing for the work of Thai youth to be evident on the world stage.

Since then, the university has continued the project until the present. In 2022, Walailak University, by the Center for Academic Services as the Regional Coordination Center (Southern Region), hosted the Twenty-Fourth Young Scientist Competition: YSC 2022 to select representatives from Thailand to participate in the Regeneron International Science and Engineering Fair 2022. Each project that passes the consideration by the committees will receive a grant of 3,000 Baht to develop the project and receive advice and guidance on project development from advisors at Walailak University through online training activities because of the COVID-19 pandemic. The online training activities are to enhance skills, spark ideas and inspire the development and planning of further projects to enhance knowledge and skills for students and teachers, provide advice on project development by faculty from experts in each field to improve information for project development in preparation for further competition at the international level.

Moreover, this event also promotes local youth to participate in regional, national and international competitions.

Mr. Witchayoot Nakasoon, representing Benjamachutit School, located in Nakhon Si Thammarat, won the \$500 fourth award, for the project titled "Bob Pendulum Oscillation Under Air Flow: An Experimental and Numerical Investigation" in the fields of Physics and Astronomy from Regeneron International Science and Engineering Far 2022: Regeneron ISEF 2022.

