

The Consulting Services and Solving Occupational Technology Problems Project

Walailak University Clinic Technology serves as a support unit for science, technology, and innovation, collaborating with various agencies under the Office of the Permanent Secretary of the Ministry of Higher Education, Science, Research and Innovation (OPS MHESI) in Nakhon Si Thammarat province. It develops knowledge service mechanisms to meet the needs of local communities within the southern region of Thailand, integrating its efforts with the province and surrounding areas. The clinic also supports the operations of the Ministry of Higher Education, Science, Research and Innovation Front Office in Nakhon Si Thammarat and Krabi provinces under the supervision of the Center for Academic Services. Services are provided through multiple channels, including telephone, online platforms (such as the WU Clinic Technology Facebook page and email), on-site services, public service promotion, and exhibitions in collaboration with related agencies.

Additionally, the Walailak University Clinic Technology facilitates technology transfer to local communities, including Satit Walailak Pattana Community and other communities in Nakhon Si Thammarat. The clinic works in collaboration with provincial authorities, educational institutions within the clinic technology network, local administrative organizations, as well as public and private sector entities, science and technology volunteers, and technology hub villages. The areas of focus include agriculture, agricultural product processing, value-added products and services, and more.

The Clinic Technology's operational process involves understanding the needs of communities, establishing collaborative systems with relevant networks, studying problems and specific demands, providing services, and conducting follow-up assessments and reporting using effective tools throughout the workflow.

In the fiscal year 2024, the clinic provided scientific, technological, and innovation consulting services to communities, exceeding its target of 50 individuals by serving 79. Additionally, it offered science and technology information services to 200 individuals, surpassing its original target of 120. The satisfaction rate of service recipients was 95.90%, exceeding the goal of 80%. The clinic also promotes its activities via its official Facebook page (WU Clinic Technology).

The Clinic Technology, in collaboration with Kuan Maibong Subdistrict Health Promoting Hospital, has conducted community outreach activities (SDG 17.2.1). One key initiative is the development of a training program titled "Non-Chronic Disease Prevention and Management for Farmers and the Use of Local Herbs in Wang Ang Community as a Unique Signature and Health Massage" (SDG 3.3.2). This program is aimed at Village Health Volunteer (VHV) in Wang Ang community, with the goal of enhancing income for community members in local tourism areas.

Additionally, the Clinic Technology has partnered with the Royal Project Learning Center in Wang Ang Subdistrict, Cha- uat District, Nakhon Si Thammarat Province, to extend the use of bioproducts (including the technology for expanding Trichoderma fungus to control plant diseases and pests, Metarhizium and Beauveria technology for pest prevention and eradication, as well as the application of bioproducts in various forms). These efforts have been directed at several community enterprises, including the Cha- uat Phunphon Mangosteen Community Enterprise in Koh Khan Subdistrict, the Ban Set Takorn Community Enterprise in Tha Samed Subdistrict, the Organic Agricultural Community Enterprise in Cha- uat District, and the King Rama IX Sufficiency Economy Learning Center in Thung Na Tai, Tha Pracha Subdistrict, Cha- uat District.

Through ongoing follow-up, mangosteen farmers in Cha- uat District have been provided free access on sustainable agricultural practices, food security, and knowledge on the use of bioproduct technology to manage mangosteen crops for export, while reducing the risk of chemical residues in the produce (SDG 2.5.1). This has enabled exports to countries such as Japan, China, and Australia, reducing production costs by 146,200 THB and generating sales revenue of 26.5 million THB in 2024. The B/C ratio is 111.57, with the Cha- uat Phunphon Mangosteen Community Enterprise appointing a local expert to continue promoting bioproduct technology.