RUTS



2024

SUSTAINABLE DEVELOPMENT GOALS REPORT

Rajamangala University of Technology Srivijaya

https://sdgs.rmutsv.ac.th/

RUTS RAJAMANGALA UNIVERSITY OF TECHNOLOGY SRIVIJAYA



RUTS

SUSTAINABLE DEVELOPMENT GOALS

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SUSTAINABLE DEVELOPMENT GOALS

MESSAGE FROM THE PRESIDENT

SUSTAINABILITY REPORT 2023 FOREWORD BY THE PRESIDENT "THE UNIVERSITY OF INNOVATION FOR SOCIETY"

RUTS is fully committed to the United Nations' Sustainable Development Goals (SDGs), which were adopted in 2015. The university is dedicated to sustainability in all its forms and is actively preparing to take a leadership role in areas such as research, SDG-focused education, stewardship, and collaboration with the wider community.

By monitoring campus initiatives that align with its sustainability goals, RUTS is able to evaluate current projects through the framework of the three pillars of sustainability-economic, social, and environmental. This approach not only allows the university to assess its progress but also highlights the initiatives and organizations on campus that are working toward creating a more sustainable future for all.



The previous submission we were delighted to be pronounced and recognized for the Impact Rankings 2023 including the top 4 SDGs as follows in SDGs 17, 12, 2 and 6. Our University will continuously participate in the Impact Rankings 2024 and agreed to submit all 17 SDGs goals.

I would like to give a special thanks to RUTS SDGs committees, staff and students for the great support and commitment to this work.

Prof.Dr.Suwat Tanyaros
President


THAILAND
CHUMPHON
NAKHON SI THAMMARAT
TRANG
SONGKHLA

SUSTAINABLE DEVELOPMENT GOALS

INTRODUCTION TO RUTS

Rajamangala University of Technology Srivijaya, (abbreviated as RUTS), is one of the universities in the group of Rajamangala University of Technology (RMUT), RUTS is located in the south of Thailand. The university pays great attention to the management of higher education, particularly in the fields of science and technology as well as services. The main aims are to produce graduates who have both the professional ability to manage a career and to be highly aware of the practical ethics in society and the nation. Additionally, the policy focuses on the development of teaching and learning, research, community service, cultural preservation and environment sustainability as well as the staff development to keep pace with globalization so as to complete the vision of the university.

RUTS offers education at the high vocational and graduate levels, and it is composed of 7 areas as follows :

1. Rajamangala University of Technology Srivijaya, Songkhla Campus
2. Rajamangala University of Technology Srivijaya, Rattaphum College
3. Rajamangala University of Technology Srivijaya, Trang Campus
4. Rajamangala University of Technology Srivijaya Nakhon Si Thammarat, Sai Yai Campus
5. Rajamangala University of Technology Srivijaya Nakhon Si Thammarat, Thung Yai Campus
6. Rajamangala University of Technology Srivijaya College of Industrial Technology and Management Nakhon Si Thammarat, Khanom Campus
7. Srivijaya Agricultural Development Center, Chumphon

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VISION

THE UNIVERSITY OF INNOVATION FOR SOCIETY

MISSION

1. To provide high-quality professionalism at the higher education level by focusing on science and technology and to make sure that graduates are ready for the job market.

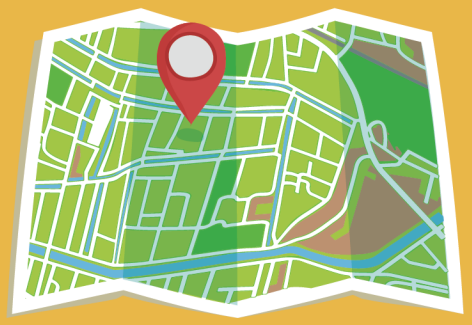
2. To create research activities, inventions and innovations on science and technology that can be transferred into value-added goods and services for the country.

3. To provide academic services and creative education with a purpose to prepare graduates for independent careers to stay competitive in their profession.

4. To preserve religion, culture and the environment.

SUSTAINABLE DEVELOPMENT GOALS

FACTS & FIGURES



Songkhla Campus (rai)	262
Rattaphum College (rai)	160
Trang Campus (rai)	1700
Sai Yai Campus (rai)	552
Thung Yai Campus (rai)	2025
Khanom Campus (rai)	589
Chumporn Center (rai)	218/300



Total number of academic and supporting staff (person)
1,470



Total number of regular student (person)
15,236

Number of faculties/colleges
12 faculties 3 colleges





Number of courses
84 courses

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1 NO POVERTY



END POVERTY IN ALL ITS FORMS EVERYWHERE

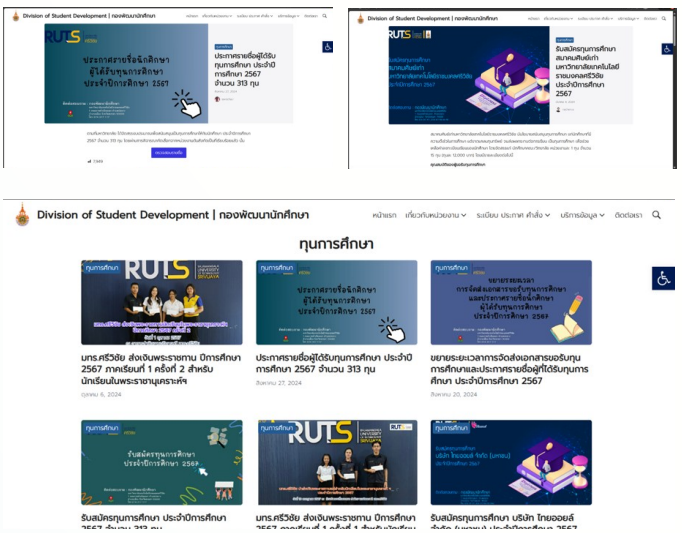
Policy and Operation

RUTS Scholarship Support

RUTS has implemented a comprehensive scholarship policy to promote educational equality and support student welfare. The policy ensures that all students, regardless of economic background, can access and complete higher education through scholarships, tuition waivers, and financial aid funded by the university and external sources.



Managed with transparent procedures and clear criteria, the policy reduces financial barriers and supports students from low-income families. This initiative reflects RUTS's commitment to social responsibility, fostering an equitable, inclusive education system that empowers students and contributes to sustainable national development.

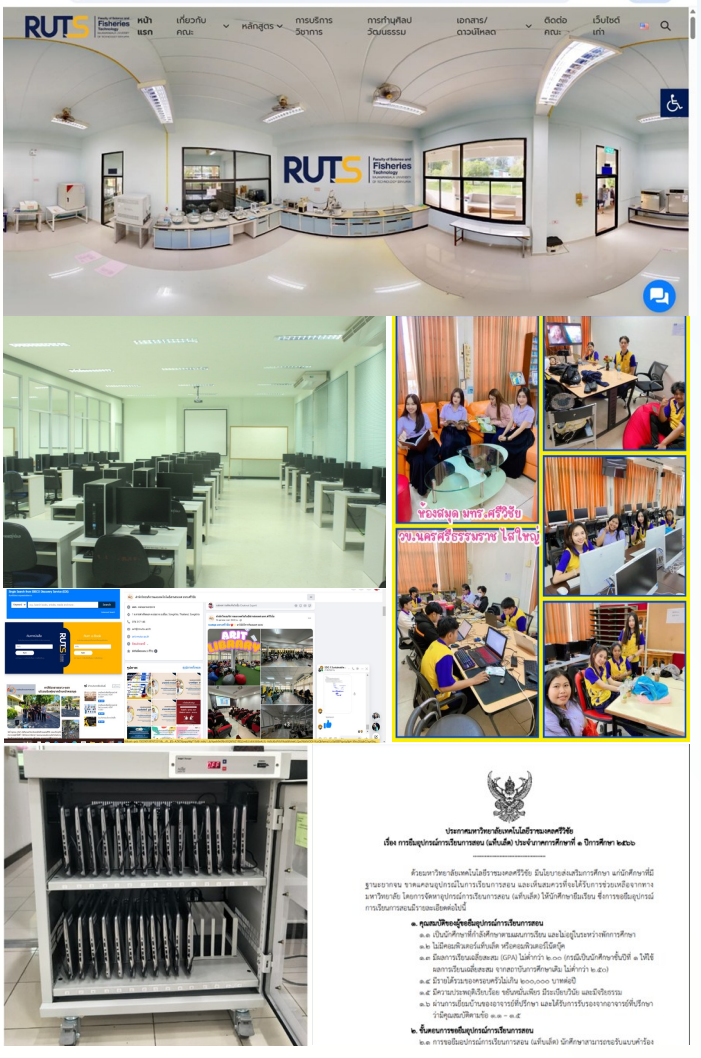


Related Link : https://sdgs.rmutsv.ac.th/goal/en-1/

Promote learning with resources and technology for education

RUTS is committed to creating an inclusive and resource-rich learning environment that supports all students. The university provides comprehensive educational resources, including a library, online library, computer labs, and a notebook lending service, ensuring equal access to knowledge and technology. The university and online libraries offer extensive academic materials accessible anytime, supporting research and lifelong learning without geographic or time limitations.

These initiatives reflect RUTSs effort to reduce educational inequality, support low-income students, and enhance access to technology and learning resources, fostering an environment where every student can thrive and reach their full potential.



Related Link : https://sdgs.rmutsv.ac.th/goal/en-1/

Research and Innovation

Technology Transfer of Energy-Saving Stove for Traditional Thai Dessert Processing

RUTS, through the Faculty of Liberal Arts, partnered with the Prince of Songkla University Science Park and the Ban Han Elderly Organic Agriculture Community Enterprise to implement the project “Technology Transfer of Energy-Saving Stove for Traditional Thai Dessert Processing.” An MOU was signed on 30 July 2024 at Ban Han Municipality Hall, formalizing cooperation among local government, academia, and the community.

The project developed and transferred energy-saving stove technology to support elderly dessert producers, helping reduce fuel costs, improve efficiency, and preserve local cultural practices. RUTS researchers and students co-designed and demonstrated the technology, integrating academic knowledge with community innovation to promote sustainable livelihoods. Overall, this project shows how RUTS translates research into real social impact, linking education, community empowerment, and sustainability.





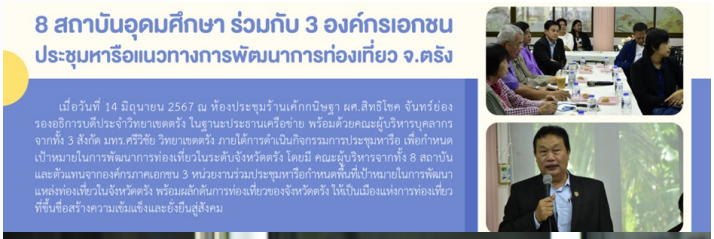


Related Link : https://sdgs.rmutsv.ac.th/goal/en-1/

Collaboration to promote economic equity and community resilience

RUTS together with seven Southern universities and three private sector organizations, held a policy-level meeting to develop strategic frameworks for sustainable tourism. The discussion focused on integrating academic expertise, local governance, and private sector collaboration to promote economic equity and community resilience.

The initiative reflects RUTS’s Policy and Operation approach to community empowerment, emphasizing evidence-based planning, inclusive participation, and resource sharing to make tourism a sustainable driver of local opportunity-especially for low-income communities. Through these efforts, RUTS acts as a policy catalyst, translating research into actionable governance for inclusive and sustainable regional growth.







Related Link : https://sdgs.rmutsv.ac.th/goal/en-1/

Teaching and Learning

Practical Business Education through Collaborative B.B.A. Programs in Trading Innovation Management and Management & Business Development



RUTS, through College of Hospitality and Tourism, offers two collaborative undergraduate programs the B.B.A. in Trading Innovation Management and the B.B.A. in Management and Business Development under the Public-Private Partnership Premium Graduate Program with CP ALL Public Company Limited. These programs integrate academic learning with professional experience to promote inclusive, career-oriented education.

This approach reduces educational inequality and demonstrates RUTS's commitment to social responsibility, public–private collaboration, and workforce development.



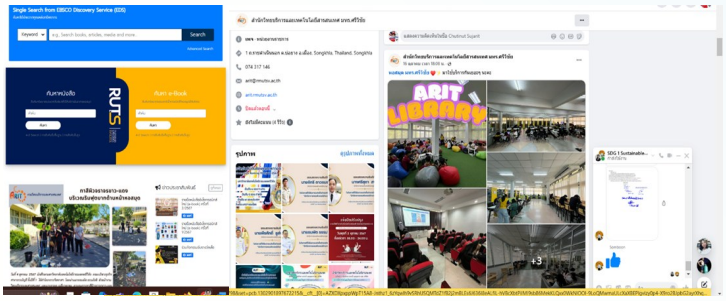
Related Link : https://sdgs.rmutsv.ac.th/goal/en-1/

Educational Facilities and Digital Support Services

RUTS promotes community engagement and student empowerment through accessible learning spaces and digital facilities that go beyond classroom learning. Libraries, computer and business labs, and tablet lending services serve as platforms for innovation, collaboration, and income generation-enabling students to apply their skills in real-world contexts, such as digital entrepreneurship and community projects, while contributing to local economic growth.

Through this approach, RUTS transforms learning into opportunity-empowering students and communities toward sustainable development.







Related Link : https://sdgs.rmutsv.ac.th/goal/en-1/

Outreach and Engagement

“GSB Yuwaphat Rak Thin 2024” Project



RUTS implemented the “GSB Yuwaphat Rak Thin 2024” Project, an academic service and community engagement initiative promoting sustainable local development. The project enhances community product quality, upgrades local tourism standards, and fosters self-reliant enterprises. Through student participation, it integrates classroom learning with real-world application, allowing students to conduct community research, analyze business potential, and co-develop solutions with local residents.









Related Link : https://sdgs.rmutsv.ac.th/goal/en-1/

RUTS Strengthens Community Engagement through Appropriate Technology Symposium 2024

RUTS organized the Appropriate Technology Symposium 2024: “Appropriate Technology for Sustainable Living” to promote academic collaboration and innovation for community benefit. The event gathered representatives from nine RMUT universities, researchers, entrepreneurs, and local communities to exchange ideas and showcase technologies that enhance quality of life and support sustainable development.

The symposium exemplified Outreach and Engagement, fostering partnerships that create practical, community-driven solutions. Through exhibitions and discussions, participants explored technologies that boost income, reduce inequality, and promote environmental balance.





Related Link : https://sdgs.rmutsv.ac.th/goal/en-1/

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2 ZERO HUNGER



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

Policy and Operation

Food Sales Regulation at RUTS

RUTS has established a Food Sales Regulation Policy to govern food, goods, and services within university canteens, ensuring safe, affordable, and accessible meals for all students.

This policy serves as a core institutional mechanism to reduce student food insecurity, promote health and well-being, and ensure equitable access to nutritious meals-particularly benefiting low-income students. Its public accessibility reinforces transparency and accountability in implementation.

Related Link : https://sdgs.rmutsv.ac.th/goal/en-2/

RUTS Strengthens University–Industry Linkages through MoU Signing with Two Private Sector Companies

The Faculty of Science and Fisheries Technology signed two Memoranda of Understanding (MoUs) under the University–Industry Linkage Program to strengthen collaboration with the private sector.

Witnessed by faculty executives and staff, the MoUs establish a framework for research, teaching, and innovation collaboration, connecting academic expertise with industry needs to foster sustainable technologies and enhance student skill development.



Related Link : https://sdgs.rmutsv.ac.th/goal/en-2/

Research and Innovation

Curved-tray groundnut sorting equipment and a solar-powered drying cabinet

RUTS research team handed over manual curved-tray groundnut sorting equipment and a solar-powered drying cabinet to the Mae Khri Groundnut Farmers Group.

The event, attended by representatives from the Khuan Saothong Subdistrict Municipality and the Tamot District Agricultural Office, aimed to improve farmers' productivity, post-harvest efficiency, and product quality.This project highlights RUTS's commitment to advancing technology transfer, farmer capacity building, and sustainable agricultural development within local communities.





Trang pepper farmers and entrepreneurs

RUTS research team joined Farm Expo 2024 to support Trang pepper farmers and entrepreneurs, in collaboration with the Trang Provincial Agriculture Office and the Trang Provincial Commerce Office.

RUTS facilitated the participation of the Young Smart Farmer group and local pepper producers in the Farm to Table zone, where they showcased and sold Trang pepper products. This initiative highlights RUTS's commitment to empowering local farmers by expanding market access, fostering government–community partnerships, promoting value-added agricultural products, and strengthening the local agricultural economy.





Related Link : https://sdgs.rmutsv.ac.th/goal/en-2/

Participatory Technology Application to Strengthen the Local Agricultural Economy.

The research team RUTS, in collaboration with community innovators, organized an exhibition and knowledge-sharing event under the project “Participatory Technology Application to Strengthen the Local Agricultural Economy.”

Held during the Mobile Agricultural Clinic under the Royal Patronage of His Royal Highness Crown Prince Maha, the event showcased research outputs and appropriate technologies supporting local mushroom farmers.Over 260 farmers and stakeholders from government agencies, local authorities, and the private sector participated in knowledge-sharing activities on mushroom cultivation, post-harvest management, and sustainable farming practices.

This initiative highlights RUTS’s commitment to empowering local farmers through technology transfer, practical innovation, and collaboration to enhance productivity, income, and the resilience of the local agricultural economy.







Related Link : https://sdgs.rmutsv.ac.th/goal/en-2/

Development of Low-Sodium Instant Noodles Enriched with Brown Rice Flour (Med Fai 62)



A research team from the Faculty of Agro-Industry, RUTS, led by Asst. Prof. Dr. Supasit Chooklin and co-researchers, conducted a technology transfer workshop under the project “Development of Low-Sodium Instant Noodles Enriched with Brown Rice Flour (Med Fai 62)”, held in collaboration with the Ban Nong Khla Samakkhi Community Enterprise, Wat Thung Khwai Phatthanasuksa School, and local farmers, the workshop aimed to share scientific knowledge and practical processing techniques for rice-based product development.Participants learned about the nutritional value of local rice, low-sodium noodle production using Med Fai 62 brown rice flour, drying and packaging methods, and market-oriented product development. A tasting session featured the Shabu Black Soup Brown Rice Noodle prototype.

This activity exemplifies RUTS’s applied research approach, linking innovation, community participation, and entrepreneurship to enhance local value-added food production.



Related Link : https://sdgs.rmutsv.ac.th/goal/en-2/

Teaching and Learning

“Midnight Chicken Harvest”



Students from the Animal Science and Smart Agriculture programs carried out a “Midnight Chicken Harvest” after a 35-day rearing period in a smart-controlled poultry house. The activity was part of RUTS’s student food production and management program promoting food security, sustainability, and hands-on learning.

Students raised broiler chickens using automated systems, harvested them for campus food programs, and gained experience in sustainable poultry management. The initiative also strengthened collaboration between the two programs and supported the university’s student food security strategy by providing affordable, nutritious protein while fostering practical agricultural skills.



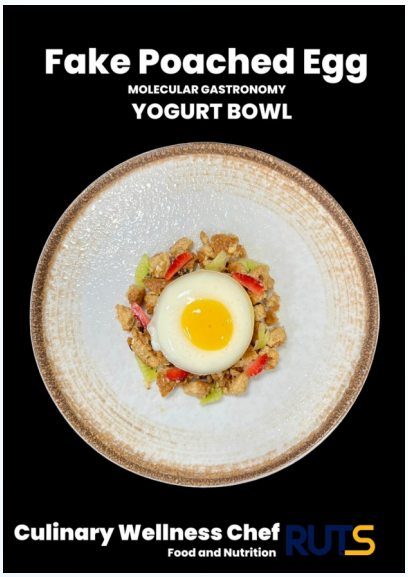
Related Link : https://sdgs.rmutsv.ac.th/goal/en-2/

Wellness Chef



RUTS integrates the “Wellness Chef” concept into its Molecular Gastronomy course to promote healthy, sustainable, and creative food innovation.

Students learn the principles of molecular gastronomy, design healthy menus, and experiment in the food innovation lab using modern culinary science techniques. The course blends art, science, and wellness, fostering creativity and sustainability while developing advanced culinary and scientific skills for health-oriented food innovation.



Related Link : https://sdgs.rmutsv.ac.th/goal/en-2/

Smart Farm, an on-campus learning and production hub

RUTS promotes sustainable agriculture through Saiyai Smart Farm, an on-campus learning and production hub that integrates academic knowledge with practical smart farming.

Students cultivate chemical-free vegetables using controlled environment systems, applying technology for safe and high-quality produce. The harvests are used for learning and sold within the campus and community, creating a closed-loop system that connects education, sustainable food production, and community engagement.This initiative exemplifies how RUTS embeds sustainability into education while enhancing food security and developing students' practical agricultural skills.



Related Link : https://sdgs.rmutsv.ac.th/goal/en-2/

Outreach and Engagement

Student Food Security and Value-added Agricultural Products Programme



The Faculty of Agriculture implements an ongoing program to tackle student food insecurity by combining food production, value-added processing, and entrepreneurship in the curriculum. students in the course "Agricultural Product Management and Value Addition" transformed farm products-such as free-range chicken and organic vegetables-into Chicken Burgers, offering nutritious, affordable meals for students.

The program provides hands-on training in food processing, product development, and business skills, using fresh produce from university farms. Supported by expert guidance, including Asst. Prof. Narongchai Chupool, it enhances student self-reliance, sustainability, and campus food security through practical learning and innovation.





Related Link : https://sdgs.rmutsv.ac.th/goal/en-2/

Smart Greenhouse and Smart Poultry House at the Faculty of Agriculture.



The visit highlighted RUTS's agricultural innovations that integrate modern technology with sustainable practices. The Smart Greenhouse cultivates melons, grapes, and hydroponic vegetables under controlled environments to ensure high quality and food safety, while the Smart Poultry House uses IoT systems to optimize production efficiency and animal welfare. Both facilities serve as learning centers where students gain hands-on experience in smart farming, production management, and sustainability. This initiative reflects RUTS's commitment to advancing sustainable food systems through the integration of technology, innovation, and education.






Related Link : https://sdgs.rmutsv.ac.th/goal/en-2/

Farm to table

The Bachelor of Home Economics Program (Food and Nutrition Major) organized a knowledge transfer event promoting sustainable culinary practices and local food systems. Using ingredients sourced directly from farmers and producers in Songkhla Province, such as Kai Krob, Sataw, Khlong Ngae Tofu, Ma Muang Bao (GI product), Sam Nam Shrimp, and Sam Nam Seabass were transformed into Chef's Table–style dishes highlighting the Farm-to-Table concept. The event reflected the university's commitment to sustainable procurement and community support. Moreover, the workshop combined culinary arts, menu design, and food storytelling to enhance the value of local produce and promote sustainable gastronomy and tourism.






Related Link : https://sdgs.rmutsv.ac.th/goal/en-2/

RUTS Walking Street



RUTS Walking Street serves as an on-campus food market that supports food security, entrepreneurship, and community engagement at RUTS.

The market provides students and staff with affordable, nutritious meals, helping reduce food insecurity while offering opportunities to earn income through food and beverage sales. This initiative fosters self-reliance, collaboration, and sustainability, reflecting the university's commitment to building a vibrant and sustainable campus food ecosystem.





Related Link : https://sdgs.rmutsv.ac.th/goal/en-2/

RUTS Alumni Association awarded scholarship award

President of the RUTS Alumni Association, and the committee awarded 15 scholarships of 12,000 THB each to students at Rajamangala University of Technology Srivijaya during a ceremony at the Chalongsiriratchasombat 60 Years Auditorium, Hat Yai, Songkhla Province.

This initiative supports students facing financial hardship and food insecurity, helping them maintain stable living conditions and focus on their studies. The RUTS Alumni Association Scholarship Program exemplifies how alumni engagement contributes to student well-being, hunger alleviation, and academic success.









Related Link : https://sdgs.rmutsv.ac.th/goal/en-2/

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3 GOOD HEALTH AND WELL-BEING



ENSURE HEALTHY LIVES AND PROMOTE WELL-BEING FOR ALL AT ALL AGE

Policy and Operation

Network Partnership for Mental Well-being: Moving Toward Quality Thais" project



RUTS attended the MOU signing for the "Network Partnership for Mental Well-being: Moving Toward Quality Thais" project.

The agreement, signed between the nine Rajamangala Universities of Technology and the Department of Mental Health, Ministry of Public Health, aims to enhance mental health support, prevention, and care for students across all campuses.

Through this collaboration, RUTS continues to promote proactive mental health initiatives, ensuring the well-being and quality of life of its students and staff.



Related Link : https://sdgs.rmutsv.ac.th/goal/en-3/

RUTS : A smoke-free campus

RUTS signed an MOU with the Ministry of Higher Education, Science, Research and Innovation, the Ministry of Public Health, and the National Alliance for Tobacco-Free Thailand to promote a smoke-free campus. The initiative established smoke-free zones, signage, and awareness campaigns to create a healthier campus environment.

To advance this effort, RUTS leaders and faculty joined a meeting to develop joint action plans for promoting a tobacco- and e-cigarette-free culture through a healthy media ecosystem. The initiative includes the Hackathon 4Health: "Change Agents for a Healthy Society through Media Innovation" project, organized in collaboration with ThaiHealth and the Center for Creative Media for Children, Youth, and Families.





Related Link : https://sdgs.rmutsv.ac.th/goal/en-3/

Research and Innovation

Innovative wound dressing film



Asst. Prof. Dr. Thanakorn Damsud, from the Faculty of Science and Technology developed an innovative wound dressing film made from mangosteen peel extract and natural rubber, showcasing a sustainable Thai-based biomedical innovation.

The film's blend of hydrophilic and hydrophobic polymers ensures excellent drug retention and controlled release, while xanthones from mangosteen provide strong anti-inflammatory and antimicrobial properties to speed up healing.

This research demonstrates how Thailand's local resources can be transformed into high-value healthcare innovations that enhance treatment effectiveness and promote well-being.



Related Link : https://sdgs.rmutsv.ac.th/goal/en-3/

Teaching and Learning

Workshop on Quality Counseling and Encouragement

RUTS hosted Workshop on Quality Counseling and Encouragement, aimed to strengthen staff capacity in student mental health support, focusing on counseling principles, techniques, and referral systems.

A total of 50 participants-15 academic and 35 support staff-joined the training, which featured experts from the Smile & Smart Center providing both theoretical and practical sessions to enhance counseling skills and emotional support for students.











Related Link : https://sdgs.rmutsv.ac.th/goal/en-3/

Student Leadership Training Program on Drug and Prevention







RUTS by Division of Student Development hosted the Student Leadership Training Program on Drug and Prevention, under the theme “Think Good Idol: Change Agent-Leaders for Social Transformation.”The program reflects RUTS’s commitment to developing quality graduates and promoting sustainable social well-being through innovation, in line with the Standards for Student Affairs (2020) of the Ministry of Higher Education, Science, Research, and Innovation. It aims to build discipline, character, and positive behavior among students for harmonious coexistence.Designed to strengthen leadership and communication skills, the training empowers student leaders and staff to serve as change agents and health communicators, particularly in reducing risks related to drugs, cigarettes, and e-cigarettes.





Related Link : https://sdgs.rmutsv.ac.th/goal/en-3/

Outreach and Engagement

RUTS provided annual health and mental check-up program



RUTS, in collaboration with Songkhla Hospital, Sichon Hospital, and Sikarin Hat Yai Hospital, organized its annual health and mental check-up program for staff and students across all campuses. Covering Songkhla, Rattaphum, Nakhon Si Thammarat (Thungyai, Saiyai, Khanom), and Trang campuses.

Over 350 staff members participated in screenings for general health, chronic diseases, and occupational risks. Those with abnormal results were referred for medical care, while others received personalized health guidance. This program reflects RUTS's dedication to fostering a healthy, safe, and supportive workplace, promoting both physical and mental wellness as part of sustainable organizational growth.






Related Link : https://sdgs.rmutsv.ac.th/goal/en-3/

The Muslim Student Club of RUTS organized a rural volunteer development camp for the local community

RUTS, along with staff from the Division of Student Development and members of the Muslim Student Club over 80 volunteers student, officially handed over a newly built school building to the Committee of Darunmuttakeen Mosque (Ban Wat Nod) in Moklan Subdistrict, Tha Sala District, Nakhon Si Thammarat Province.

The construction was part of the Rural Development Volunteer Camp Project 2024, organized by the Muslim Student Club to allow students to apply academic knowledge, foster community engagement, and promote volunteerism. The building provides a valuable learning space for local children and reflects RUTS's commitment to social responsibility and sustainable community development.





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4 QUALITY EDUCATION



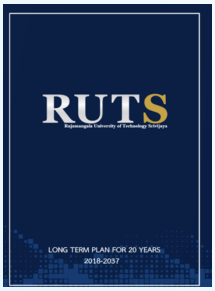
ENSURE INCLUSIVE AND EQUITABLE QUALITY EDUCATION AND PROMOTE LIFELONG LEARNING OPPORTUNITIES FOR ALL

Policy and Operation

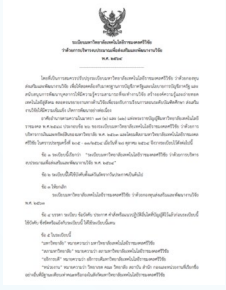
Education for All and Lifelong Learning

RUTS integrates the principles of Education for All and Lifelong Learning into its Strategic Plan (2018–2037), aligning with Thailand's 20-Year National Strategy and the Southern Border Provinces Education Plan. Under its policy framework, RUTS emphasizes equitable access to education, teacher empowerment, and community-based learning, especially for underprivileged and marginalized groups.

These policies have expanded access to education, improved teaching quality, and strengthened community-based learning through university-school-community partnerships. RUTS has emerged as a proactive driver of SDG 4: Quality Education, advancing inclusive and sustainable learning beyond the campus.







RUTS implements a research budget management policy that promotes knowledge creation, technology transfer, and community development through practical innovation. Research funding is directed toward projects that apply academic expertise to real-world challenges, focusing on technologies that enhance productivity, sustainability, and quality of life.

The policy also expands lifelong learning opportunities by engaging communities in hands-on training on agricultural innovation, natural resource management, and renewable energy. Through partnerships with local organizations and the private sector, RUTS ensures research outcomes benefit both society and the economy

Related Link : https://sdgs.rmutsv.ac.th/goal/en-4/

Research and Innovation

Application and Scaling of Appropriate Technologies for Agricultural Products in Central Southern Thailand to Enhance the Community-Based Economy



Asst. Prof. Noppadon Podkumnerd and his research team delivered and transferred solar-powered drying cabinets to local entrepreneurs in Wangwan, Bang Mak, and Bang Pao Subdistricts, Kantang District, Trang Province, under the project "Application and Scaling of Appropriate Technologies for Agricultural Products in Central Southern Thailand to Enhance the Community-Based Economy."

The initiative promoted hands-on technology transfer, helping reduce energy costs and improve product quality. It also enhanced local producers' skills through experiential learning, fostered collaboration among academia, government, and communities, and established a scalable model for sustainable, community-based economic development.



Related Link : https://sdgs.rmutsv.ac.th/goal/en-4/

Knowledge Transfer and Capacity Building for Community Mushroom Cultivation

In collaboration with researchers from the Faculty of Business Administration, RUTS, a training and knowledge transfer activity under the Tha Kham Red Mushroom Village Project, Year 3 was held at the Tha Kham Red Mushroom Community Enterprise, Hat Yai District, Songkhla Province. The project focused on reusing spent mushroom substrate and applying microbial bioproducts to produce eco-friendly, pest-resistant compost.

Moreover, the project strengthened farmers' technical skills, enabling efficient waste reuse, cost reduction, and sustainable production.





Related Link : https://sdgs.rmutsv.ac.th/goal/en-4/

Empowering Communities with Ready Skills



Department of Industrial Promotion, Ministry of Industry, in collaboration with the Pracharath Initiative, organized the "Empowering Communities with Ready Skills" project at Rajamangala University of Technology Srivijaya, Nakhon Si Thammarat Campus, Thung Song District. The event featured a workshop on "Art of Mixing Mocktails and Cocktails" as well as emphasized creativity, technical expertise, and the fusion of modern innovation with local identity to enhance community products and small business competitiveness.



Related Link : https://sdgs.rmutsv.ac.th/goal/en-4/

Research and Innovation for Enhancing Garcinia Products of Community Enterprises in Yala Province to Strengthen Local Economic Competitiveness



The Faculty of Science and Technology, Rajamangala University of Technology Srivijaya implemented the research project “Research and Innovation for Enhancing Garcinia Products of Community Enterprises in Yala Province to Strengthen Local Economic Competitiveness.” The project focused on developing innovations and transferring technologies to improve the quality, safety, and value of garcinia-based products while strengthening the business capacity of local community enterprises. On 30 October 2024, the team delivered innovations, conducted hands-on training, and upgraded production for four community enterprises across Yala Province.



Related Link : https://sdgs.rmutsv.ac.th/goal/en-4/

Teaching and Learning

IED Volunteer Spirit: Enhancing Life Skills and Educational Standards for Teachers and Students in Border Patrol Schools

Faculty of Industrial Education and Technology, Rajamangala University of Technology Srivijaya organized the project “Enhancing Life Skills and Educational Standards for Teachers and Students in Border Patrol Schools (IED Volunteer Spirit)” at Ban Baroy Border Patrol Police School, Sadao District, Songkhla Province. The project aimed to strengthen teaching and learning capacities in remote border areas through training on instructional design, lesson planning, and creative learning activities. The project improved teachers’ professional skills and students’ creative learning abilities, fostering effective teaching practices and the production of engaging educational media.





Related Link : https://sdgs.rmutsv.ac.th/goal/en-4/

Enhancing Teaching Capacity to Create Innovative and Integrated Learning



Faculty of Industrial Education and Technology, Rajamangala University of Technology Srivijaya held the project “Enhancing Teaching Capacity to Create Innovative and Integrated Learning” at Wat Tha Hin School, Sathing Phra District, Songkhla Province, the project aimed to strengthen teachers’ skills in designing 21st-century, innovation-driven, and locally relevant instructional approaches. All Workshops focused on instructional design, digital media use, and learning assessment. The project enhanced teachers’ capacity to create modern, integrated, and student-centered learning experiences using digital tools and effective evaluation methods.



Related Link : https://sdgs.rmutsv.ac.th/goal/en-4/

Vocational training programs

Throughout 2024, RUTS organized a series of vocational training programs to enhance public skills and promote lifelong learning. Through its faculties and the Innovation and Technology Transfer Management Office, RUTS offered both free and paid courses, including:

- “Presentation Techniques Using Canva Level 3” - developing creative digital design skills;
- “Boiler Operator Training Program (Liquid Heat Transfer System)” - a 36-hour certified safety and operation course;
- “Preparation Course for Professional Licensing Examination in Diet Therapy” - supporting learners preparing for professional certification.

These programs broadened access to practical, career-focused education, helping participants build digital, technical, and professional competencies.







Related Link : https://sdgs.rmutsv.ac.th/goal/en-4/

Outreach and Engagement

Rajamangala Srivijaya Fair 2025



RUTS hosted “Rajamangala Srivijaya Fair 2025,” the fair was held across all RUTS campuses Songkhla, Nakhon Si Thammarat (Saiyai, Thungyai, Khanom), and Trang in both on-site and online formats. The event brought together government and private sector representatives, faculty, students, parents, and participants from across provinces, creating a lively atmosphere of learning and collaboration.

The fair included academic exhibitions, innovation showcases, skill competitions, and cultural performances, organized with over 30 partner institutions. The event highlighted RUTS’s commitment to lifelong learning, community engagement, and the integration of academic knowledge with real-world application.



Related Link : https://sdgs.rmutsv.ac.th/goal/en-4/

Senior Citizens School Project – Promoting Lifelong Learning and Well-being for the Elderly Community

RUTS, Nakhon Si Thammarat Campus (Saiyai), joined the Senior Citizens School Project organized by the Tham Yai Subdistrict Municipality, Thung Song District, Nakhon Si Thammarat Province. The project promoted lifelong learning for the elderly, focusing on health, mental well-being, social inclusion, and the preservation of local wisdom. The initiative empowered senior citizens to stay healthy, confident, and engaged in their communities, enhancing their capacity to adapt and contribute to an inclusive society.





Related Link : https://sdgs.rmutsv.ac.th/goal/en-4/

Science for Life, Environment, and Society in the BCG Model.



The Faculty of Science and Technology organized the Regional National Science Week 2024 marking its 17th consecutive year under the theme “Science for Life, Environment, and Society in the BCG Model.” The event, aimed to promote scientific awareness and position the university as a hub for lifelong learning and community engagement. Activities included royal tribute exhibitions, an academic lecture on astronomy, science project and drawing competitions, and STEM learning workshops. The event welcomed students, teachers, and the public to explore science through hands-on learning and interactive displays.







Related Link : https://sdgs.rmutsv.ac.th/goal/en-4/

IED Open House 2024

Faculty of Industrial Education and Technology held the “IED Open House 2024” to provide academic guidance, promote career pathways in industrial education and technology, and strengthen educational networks. Attended by over 400 participants from schools and colleges across Southern Thailand. The event highlights included robot control design, precision measurement, electrical wiring, and PCB design competitions, along with interactive learning stations that offered hands-on experience in industrial technology and innovation.









Related Link : https://sdgs.rmutsv.ac.th/goal/en-4/

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5 GENDER EQUALITY



ACHIEVE GENDER EQUALITY AND EMPOWER ALL WOMEN AND GIRLS

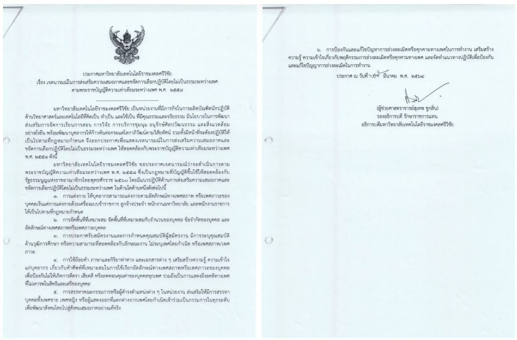
Policy and Operation

RUTS promoting gender equality for staff and students



RUTS is committed to promoting gender equality and maintaining a fair, inclusive, and non-discriminatory environment. All employees and students have the freedom to dress according to their gender identity or preference, except where specific uniforms are legally required.

The university provides inclusive facilities, equal employment opportunities, and gender-neutral access to all positions, alongside clear measures to prevent and address sexual harassment and gender-based misconduct. These efforts reflect RUTS's dedication to fostering a respectful, safe, and equitable campus that upholds the rights and dignity of every individual.



Related Link : https://sdgs.rmutsv.ac.th/goal/en-5/

RUTS promotes gender equality policy

RUTS actively promotes gender equality and prevents gender discrimination in line with the Gender Equality Act of 2015. The university has issued formal commitments to ensure fair and equal treatment for all, regardless of gender identity.

Women play a key role in RUTS leadership, including one Vice President, three Assistants to the President, four Deans, and four Directors, reflecting the university's commitment to gender diversity and inclusive leadership.These efforts demonstrate RUTS's dedication to fostering a fair, respectful, and equitable campus environment that values diversity and equal opportunity.





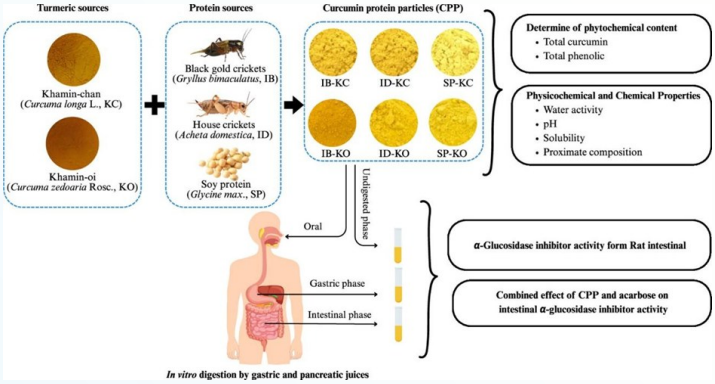




Related Link : https://sdgs.rmutsv.ac.th/goal/en-5/

Research and Innovation

Turmeric for women's health



Asst. Prof. Thanakorn Damsud and his research team conducted a study titled "Inhibitory Activity of Insect Curcumin Protein Particles on α-Glucosidase and Their Synergism with Acarbose under Simulated Digestion." The research aims to develop nutritious, bioactive insect protein alternatives with added functional value.

The study highlights turmeric (Curcuma longa) a key Thai herb known for its active compound curcumin, which supports women's health by easing menstrual discomfort, balancing hormones, enhancing skin and digestive health, improving liver function, and potentially lowering the risk of certain cancers. In summary, turmeric is a health-promoting herb with multiple benefits for women when consumed appropriately.



Related Link : https://sdgs.rmutsv.ac.th/goal/en-5/

Shrimp paste for women's health

Asst. Prof. Chutinut Sujarit and her research team conducted a study titled "Shrimp Paste for Women's Health," highlighting the nutritional value of shrimp paste made from small shrimp or krill. Rich in calcium, vitamin D, vitamin B12, and antioxidants like astaxanthin, it supports bone health, anemia prevention, brain function, and overall well-being.

The study emphasizes that moderate consumption of clean, hygienically produced shrimp paste can provide valuable nutrients, help reduce fatigue and stress, and promote vitality making it a beneficial traditional food for women's health.



Related Link : https://sdgs.rmutsv.ac.th/goal/en-5/

Teaching and Learning

Marine Engineering for female students



Rajamangala University of Technology Srivijaya (RUTS) promotes gender equality across its academic programs, notably in the Marine Engineering program, which actively encourages female participation in a traditionally male-dominated field.

The program combines theory and practice to build professional skills while fostering an inclusive learning environment. Currently, ten female students are enrolled, supported through mentorship, workshops, and networking activities.

These efforts reflect RUTS's commitment to empowering women in engineering and advancing gender balance and inclusivity in STEM education.



Related Link : https://sdgs.rmutsv.ac.th/goal/en-5/

Tracking female graduation data



In 2024, 2,600 female students graduated from RUTS. The university then monitors graduates' employment status to assess educational outcomes and career readiness.

By tracking graduation and employment data, RUTS continuously improves its programs and support services to ensure students are well-prepared for professional success after graduation.



Related Link : https://sdgs.rmutsv.ac.th/goal/en-5/

Outreach and Engagement

Platform for consult Service by RUTS



RUTS supports student well-being through Consult Service RUTS, offering online consultation via LINE group chat, Facebook, and TikTok. The service provides academic guidance, personal counseling, and mental health support for issues such as stress, anxiety, and depression, with special attention to female students' needs.

By creating an accessible and compassionate platform, RUTS demonstrates its commitment to student welfare, ensuring that learners receive timely support for both academic and personal challenges.







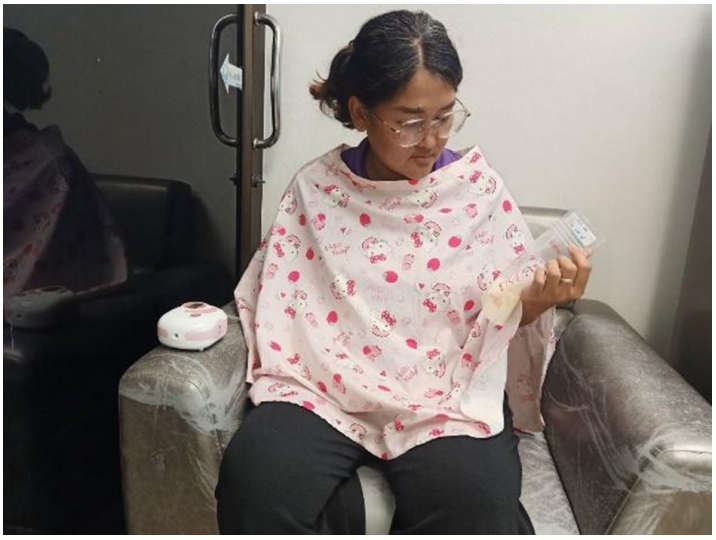


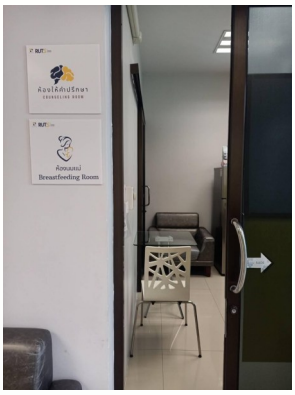
Related Link : https://sdgs.rmutsv.ac.th/goal/en-5/

Childcare and maternal facilities for RUTS female employees

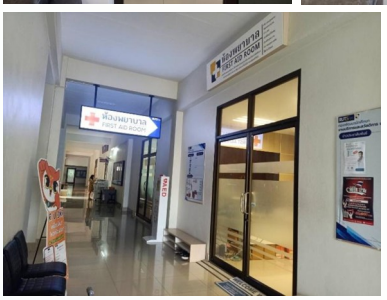
RUTS supports female employees through childcare and maternal facilities, including breastfeeding rooms with pumps and refrigerators for milk storage, and rest areas for pregnant staff.

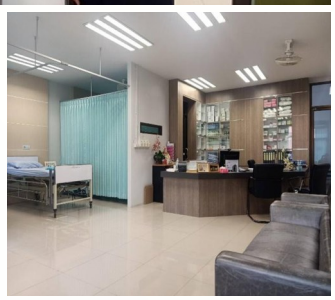
These facilities provide a safe, comfortable, and private environment that supports mothers' health and work–life balance. Through such initiatives, RUTS demonstrates its commitment to employee well-being and helping women manage both professional and family responsibilities.











Related Link : https://sdgs.rmutsv.ac.th/goal/en-5/

HPV vaccination campaign for female RUTS students



RUTS, in collaboration with local healthcare facilities, launched an HPV vaccination campaign for female students to help prevent cervical cancer.

The program reached 60 students across RUTS campuses, demonstrating the university's commitment to women's health and cancer prevention. Alongside vaccinations, counseling services were provided both on-site and online to address health concerns and promote mental well-being. This initiative highlights RUTS's holistic approach to student health, combining physical protection with emotional support to foster a healthier future for women.



Related Link : https://sdgs.rmutsv.ac.th/goal/en-5/

6 CLEAN WATER AND SANITATION



ENSURE AVAILABILITY AND SUSTAINABLE MANAGEMENT OF WATER AND SANITATION FOR ALL

Research and Innovation

RUTS develop alerts and salinity forecast for Songkhla Lake



RUTS focuses on advancing research and innovation in natural resource management and climate change adaptation, particularly in response to changes in water resources. By advance community-based networks using the BCG model which contributed by RUTS to develop alerts and salinity forecast for Songkhla Lake in order to assist in planning and mitigating crop damage for rice farmers near the lake, as well as exploring renewable energy applications for irrigation systems in rice paddies. Which fosters stronger ties between the university and the local population, building trust and encouraging future collaboration.







Related Link : https://sdgs.rmutsv.ac.th/goal/en-6/

Outreach and Engagement

Water Management for Agriculture in Pattani Province



RUTS and Water Allocation Division of the Pattani Irrigation conduct a research aiming to enhance water management by integrating innovative technology for monitoring water quality and analyzing agricultural areas. This approach supports systematic water management to adapt to environmental changes. The ongoing research are vital components in strengthening community resilience, enabling them to adapt effectively to climate change and increase agricultural productivity.



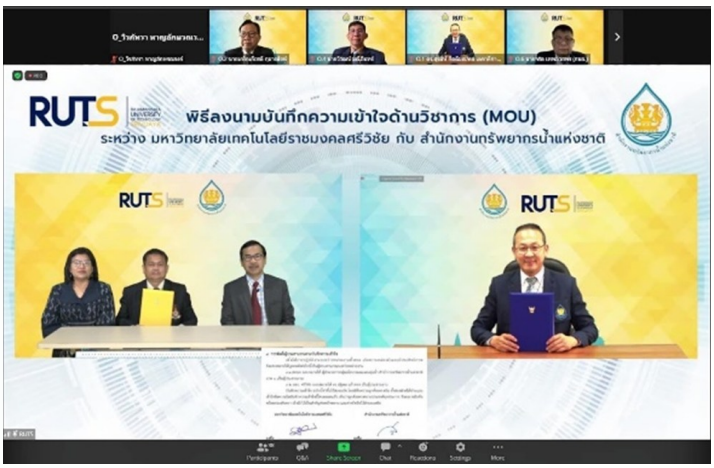






Related Link : https://sdgs.rmutsv.ac.th/goal/en-6/

RUTS and The National Water Resources NWRO



The National Water Resources partnered with RUTS signing academic MOU aimed at enhancing education, promoting research, and advancing technology to bring innovation to communities and address water issues. This partnership, leveraging the knowledge and experience of both organizations, will drive sustainable water resource management.







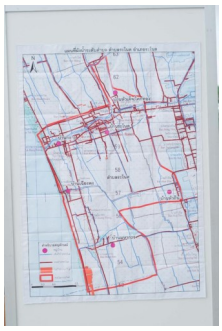
Related Link : https://sdgs.rmutsv.ac.th/goal/en-6/

Collaboration with community to Improve Water Management



The National Water Resources partnered with RUTS signing academic MOU aimed at enhancing education, promoting research, and advancing technology to bring innovation to communities and address water issues. This partnership, leveraging the knowledge and experience of both organizations, will drive sustainable water resource management.





Related Link : https://sdgs.rmutsv.ac.th/goal/en-6/

Teaching and Learning

Smart Melon Farm



RUTS Trang Campus have developed a smart melon farm system fully managed by Internet of Things (IoT) Technology. The system, connected to the internet and controlled via mobile devices, promotes optimal growth conditions for melons grown in greenhouse environments while minimizing resource use, especially water consumptions, and environmental impact. By adjusting watering, fertilizing, and temperature to precise levels, the system helps farmers save on water and fertilizer while enhancing product quality. As a result, farmers can monitor and control farm operations via smartphone, offering convenience and reducing time spent on manual tasks.









Related Link : https://sdgs.rmutsv.ac.th/goal/en-6/

RUTS | RAJAMANGALA UNIVERSITY OF TECHNOLOGY SRIVIJAYA

7 AFFORDABLE AND CLEAN ENERGY



ENSURE ACCESS TO AFFORDABLE, RELIABLE, SUSTAINABLE AND MODERN ENERGY

Policy and Operation

Environmental and Energy Management Policy of RUTS

The university focuses on innovation in environmental and energy management as it transitions toward becoming a Smart City, emphasizing the adoption of clean energy technologies, energy-efficient infrastructure, and sustainable operational practices. This includes integrating renewable energy sources, reducing greenhouse gas emissions, implementing zero-waste initiatives, and promoting resource efficiency across all campus activities. At the same time, the university seeks to foster environmental awareness and active engagement among staff, students, and stakeholders, encouraging a culture of sustainability, responsible consumption, and collaborative action to create a greener, healthier, and more resilient campus community.



Announcement from Rajamangala University of Technology Srivijaya
on Environmental and Energy Management Policy
A.D. 2022

In alignment with the strategic plan for the development of Rajamangala University of Technology Srivijaya over the mid-term period of 5 years (2023-2027), which represents the second mid-term plan designed to drive the long-term development strategy of Rajamangala University of Technology Srivijaya over 20 years (2018-2037) towards sustainable economic growth and excellence, with a specific emphasis on innovation in environmental and energy management. The university aspires to become a smart city, advocate for clean energy, and promote environmentally friendly practices. This includes fostering awareness and engagement among university staff, students, and relevant stakeholders in matters of environmental and energy conservation, adhering to the standards set by the Ministry of Energy for building design aimed at energy conservation (2009), and following the green office environmental management guidelines. We have established the following policies related to environmental and energy management:

1. Designing and constructing new buildings and renovating existing ones in accordance with the Ministry of Energy's standards, criteria, and methods for energy conservation in building design (2009), and adhering to the green office environmental management approach.
2. Enhancing awareness among university staff, students, and stakeholders regarding the impacts of resource utilization on environmental sustainability and energy management, following the standards of the Department of Environmental Quality Promotion.
3. Encouraging staff, students, and stakeholders to reduce resource consumption and use environmentally friendly products and services to minimize pollution and greenhouse gas emissions.
4. Focusing on waste management and implementing zero waste initiatives, as well as utilizing waste and biomass for alternative energy sources and eco-friendly products.
5. Committing to reducing greenhouse gas emissions by 45% by the year 2027 and progressing towards becoming a Carbon Neutral University by 2037.
6. Increasing the use of renewable energy sources for 25% of the university's energy consumption by 2027.
7. Promoting and supporting collaborative activities with external organizations, including the local community, government agencies, and industry, to create a low-carbon society and improve energy management efficiency.
8. Divesting investments from carbon-intensive energy industries especially coal and oil.

Rajamangala University of Technology Srivijaya is dedicated to advocating for and supporting various initiatives aimed at enhancing environmental and energy management in order to achieve the objectives outlined in the aforementioned policy consistently and sustainably.

As a result, this announcement is made to inform every one of our commitment and intentions.

Announced on February 3, 2022

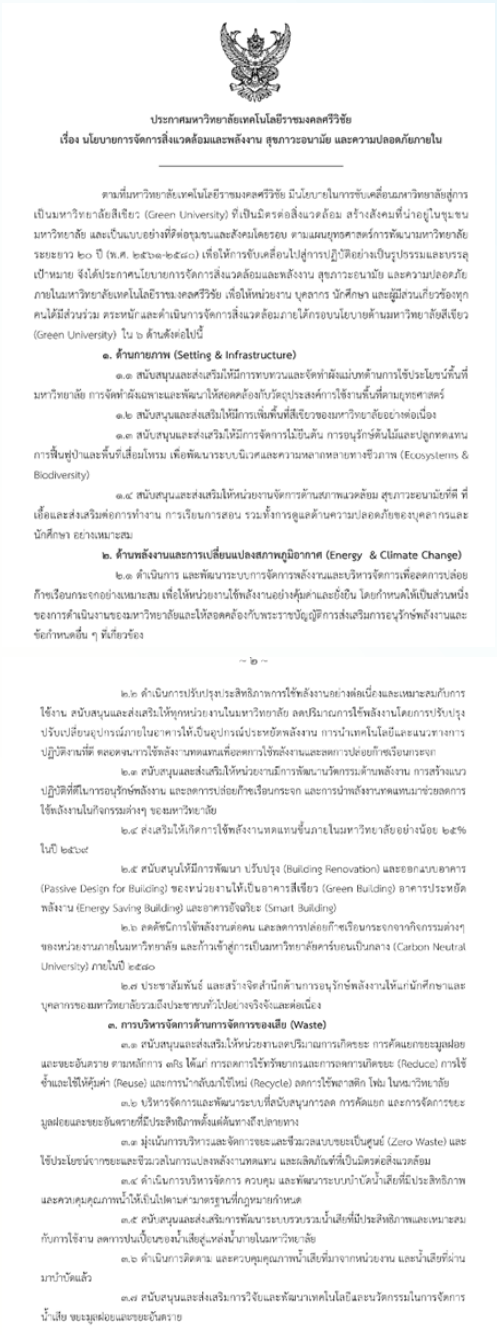
(Prof. Dr. Suwat Tanyaros)
President of Rajamangala University of Technology Srivijaya



Related Link : https://sdgs.rmutsv.ac.th/goal/en-7/

Policy on Environmental and Energy Management, Health and Well-Being, and Safety Measures RUTS

RUTS is dedicated to transforming into a Green University, fostering an eco-friendly and livable campus that exemplifies sustainability for the community and society. This commitment aligns with the University's Long-Term Strategic Development Plan (2018–2038) and highlights the importance of active participation and environmental consciousness among all departments, staff, students, and stakeholders.



ประกาศมหาวิทยาลัยเทคโนโลยีราชมงคลศรีวิชัย
เรื่อง นโยบายการจัดการสิ่งแวดล้อมและพลังงาน สุขภาวะอนามัย และความปลอดภัยภายใน

ตามที่มหาวิทยาลัยเทคโนโลยีราชมงคลศรีวิชัย มีนโยบายในการขับเคลื่อนมหาวิทยาลัยสู่การเป็นมหาวิทยาลัยสีเขียว (Green University) ที่เป็นมิตรต่อสิ่งแวดล้อม สร้างสังคมที่น่าอยู่ในชุมชนมหาวิทยาลัย และเป็นแบบอย่างที่ดีต่อชุมชนและสังคมโดยรอบ ตามแผนยุทธศาสตร์การพัฒนามหาวิทยาลัย ระยะยาว ๒๐ ปี (พ.ศ. ๒๕๖๑-๒๕๘๐) เพื่อให้การขับเคลื่อนไปสู่การปฏิบัติอย่างเป็นรูปธรรมและบรรลุเป้าหมาย จึงได้ประกาศนโยบายการจัดการสิ่งแวดล้อมและพลังงาน สุขภาวะอนามัย และความปลอดภัยภายในมหาวิทยาลัยเทคโนโลยีราชมงคลศรีวิชัย เพื่อให้หน่วยงาน บุคลากร นักศึกษา และผู้มีส่วนเกี่ยวข้องทุกคนได้มีส่วนร่วม ตระหนักและดำเนินการจัดการสิ่งแวดล้อมภายในด้านนโยบายด้านมหาวิทยาลัยสีเขียว (Green University) ใน ๖ ด้านดังต่อไปนี้

๑. ด้านกายภาพ (Setting & Infrastructure)

๑.๑ สนับสนุนและส่งเสริมให้มีการทบทวนและจัดทำผังแม่บทด้านการใช้ประโยชน์พื้นที่มหาวิทยาลัย การจัดทำผังแผนและพัฒนาให้สอดคล้องกับวัตถุประสงค์การใช้งานพื้นที่ตามยุทธศาสตร์

๑.๒ สนับสนุนและส่งเสริมให้มีการเพิ่มพื้นที่สีเขียวของมหาวิทยาลัยอย่างต่อเนื่อง

๑.๓ สนับสนุนและส่งเสริมให้มีการจัดการไม้ยืนต้น การอนุรักษ์ต้นไม้และปลูกทดแทน การฟื้นฟูป่าและพื้นที่เสื่อมโทรม เพื่อพัฒนาระบบนิเวศและความหลากหลายทางชีวภาพ (Ecosystems & Biodiversity)

๑.๔ สนับสนุนและส่งเสริมให้หน่วยงานจัดการด้านสภาพแวดล้อม สุขภาวะอนามัยที่ดี ที่เอื้อและส่งเสริมต่อการทำงาน การเรียนการสอน รวมทั้งการดูแลด้านความปลอดภัยของบุคลากรและนักศึกษา อย่างเหมาะสม

๒. ด้านพลังงานและการเปลี่ยนแปลงสภาพภูมิอากาศ (Energy & Climate Change)

๒.๑ ดำเนินการ และพัฒนาระบบการจัดการพลังงานและบริหารจัดการเพื่อลดการปล่อยก๊าซเรือนกระจกอย่างเหมาะสม เพื่อให้หน่วยงานใช้พลังงานอย่างคุ้มค่าและยั่งยืน โดยกำหนดให้เป็นส่วนหนึ่งของการดำเนินงานของมหาวิทยาลัยและให้สอดคล้องกับพระราชบัญญัติการส่งเสริมการอนุรักษ์พลังงานและข้อกำหนดอื่น ๆ ที่เกี่ยวข้อง

~ ๒ ~

๒.๒ ดำเนินการปรับปรุงประสิทธิภาพการใช้พลังงานอย่างต่อเนื่องและเหมาะสมกับการใช้งาน สนับสนุนและส่งเสริมให้ทุกหน่วยงานในมหาวิทยาลัย ลดปริมาณการใช้พลังงานโดยการปรับปรุง ปรับเปลี่ยนอุปกรณ์ภายในอาคารให้เป็นอุปกรณ์ประหยัดพลังงาน การนำเทคโนโลยีและแนวทางการปฏิบัติงานที่ดี ตลอดจนการใช้พลังงานทดแทนเพื่อลดการใช้พลังงานและลดการปล่อยก๊าซเรือนกระจก

๒.๓ สนับสนุนและส่งเสริมให้หน่วยงานมีการพัฒนานวัตกรรมด้านพลังงาน การสร้างแนวปฏิบัติที่ดีในการอนุรักษ์พลังงาน และลดการปล่อยก๊าซเรือนกระจก และการนำพลังงานทดแทนมาช่วยลดการใช้พลังงานในกิจกรรมต่างๆ ของมหาวิทยาลัย

๒.๔ ส่งเสริมให้เกิดการใช้พลังงานทดแทนขึ้นภายในมหาวิทยาลัยอย่างน้อย ๒๕% ในปี ๒๕๖๔

๒.๕ สนับสนุนให้มีการพัฒนา ปรับปรุง (Building Renovation) และออกแบบอาคาร (Passive Design for Building) ของหน่วยงานให้เป็นอาคารสีเขียว (Green Building) อาคารประหยัดพลังงาน (Energy Saving Building) และอาคารอัจฉริยะ (Smart Building)

๒.๖ ลดอัตราการใช้พลังงานต่อคน และลดการปล่อยก๊าซเรือนกระจกจากกิจกรรมต่างๆ ของหน่วยงานภายในมหาวิทยาลัย และก้าวเข้าสู่การเป็นมหาวิทยาลัยคาร์บอนเป็นกลาง (Carbon Neutral University) ภายในปี ๒๕๘๐

๒.๗ ประชาสัมพันธ์ และสร้างจิตสำนึกด้านการอนุรักษ์พลังงานให้แก่นักศึกษาและบุคลากรของมหาวิทยาลัยรวมถึงประชาชนทั่วไปอย่างจริงจังและต่อเนื่อง

๓. การบริหารจัดการด้านการจัดการของเสีย (Waste)

๓.๑ สนับสนุนและส่งเสริมให้หน่วยงานลดปริมาณการเกิดขยะ การคัดแยกขยะมูลฝอยและขยะอันตราย ตามหลักการ ๗Rs ได้แก่ การลดการใช้ทรัพยากรและการลดการเกิดขยะ (Reduce) การใช้ซ้ำและใช้ให้คุ้มค่า (Reuse) และการนำกลับมาใช้ใหม่ (Recycle) ลดการใช้พลาสติก โฟม ในมหาวิทยาลัย

๓.๒ บริหารจัดการและพัฒนาระบบที่สนับสนุนการลด การคัดแยก และการจัดการขยะมูลฝอยและขยะอันตรายที่มีประสิทธิภาพตั้งแต่ต้นทางถึงปลายทาง

๓.๓ มุ่งเน้นการบริหารและจัดการขยะและซึมวงจรแบบขยะเป็นศูนย์ (Zero Waste) และใช้ประโยชน์จากขยะและซึมวงจรในการแปลงพลังงานทดแทน และผลิตภัณฑ์ที่เป็นมิตรต่อสิ่งแวดล้อม

๓.๔ ดำเนินการบริหารจัดการ ควบคุม และพัฒนาระบบบำบัดน้ำเสียที่มีประสิทธิภาพและควบคุมคุณภาพน้ำให้เป็นไปตามค่ามาตรฐานที่กฎหมายกำหนด

๓.๕ สนับสนุนและส่งเสริมการพัฒนาระบบรวบรวมน้ำเสียที่มีประสิทธิภาพและเหมาะสมกับการใช้งาน ลดการปนเปื้อนของน้ำเสียสู่แหล่งน้ำภายในมหาวิทยาลัย

๓.๖ ดำเนินการติดตาม และควบคุมคุณภาพน้ำเสียทิ้งมาจากหน่วยงาน และน้ำเสียที่ผ่านการบำบัดแล้ว

๓.๗ สนับสนุนและส่งเสริมการวิจัยและพัฒนาเทคโนโลยีและนวัตกรรมในการจัดการน้ำเสีย ขยะมูลฝอยและขยะอันตราย

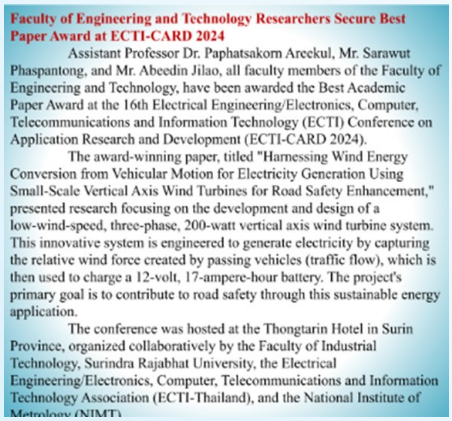
Related Link : https://sdgs.rmutsv.ac.th/goal/en-7/

Research and Innovation

Best paper award: ECTI-CARD 2024 congratulations



Asst.Prof.Dr.Paphatsakorn Areekul and team conducted the research Harnessing Wind Energy Conversion from Vehicular Motion for Electricity Generation Using Small-Scale Vertical Axis Wind Turbines for Road Safety Enhancement and have been awarded the Best Academic Paper Award at the 16th Electrical Engineering/Electronics, Computer, Telecommunications and Information Technology (ECTI) on Application Research and Development (ECTI-CARD 2024). The research goal is to contribute to road safety through this sustainable energy application.



Faculty of Engineering and Technology Researchers Secure Best Paper Award at ECTI-CARD 2024

Assistant Professor Dr. Paphatsakorn Areekul, Mr. Sarawut Phaspantong, and Mr. Abeedin Jilao, all faculty members of the Faculty of Engineering and Technology, have been awarded the Best Academic Paper Award at the 16th Electrical Engineering/Electronics, Computer, Telecommunications and Information Technology (ECTI) Conference on Application Research and Development (ECTI-CARD 2024).

The award-winning paper, titled "Harnessing Wind Energy Conversion from Vehicular Motion for Electricity Generation Using Small-Scale Vertical Axis Wind Turbines for Road Safety Enhancement," presented research focusing on the development and design of a low-wind-speed, three-phase, 200-watt vertical axis wind turbine system. This innovative system is engineered to generate electricity by capturing the relative wind force created by passing vehicles (traffic flow), which is then used to charge a 12-volt, 17-ampere-hour battery. The project's primary goal is to contribute to road safety through this sustainable energy application.

The conference was hosted at the Thongtarin Hotel in Surin Province, organized collaboratively by the Faculty of Industrial Technology, Surindra Rajabhat University, the Electrical Engineering/Electronics, Computer, Telecommunications and Information Technology Association (ECTI-Thailand), and the National Institute of Metrology (NIMT).

Related Link : https://sdgs.rmutsv.ac.th/goal/en-7/

RUTS in collaboration with partner network, organized the technological transfer of an energy-efficient oven for the processing of traditional Thai desserts project

RUTS and partner network have launched a pilot program to facilitate the technological transfer of an energy-efficient oven system developed for processing traditional Thai desserts.This initiative supports the Baan Harn Traditional Thai Dessert Production Conservation Community Enterprise with Green Energy, located in Baan Harn Subdistrict, Bang Klam District, Songkhla Province.

The project aims to design and develop an energy-efficient oven system tailored to traditional Thai dessert production within the Baan Harn community, while also fostering sustainable local economic development and enhancing the community's quality of life through the adoption and implementation of this innovative green technology .



Related Link : https://sdgs.rmutsv.ac.th/goal/en-7/

Development of an innovative biomass stove to reduce energy consumption and promote environmental conservation



Research team led by Assoc. Prof. Dr. Supranee Woonsri and team from Faculty of Liberal Arts, RUTS, led with team has developed an innovative biomass stove aimed at reducing energy consumption and promoting environmental conservation. The project represents a key step toward fostering an eco-friendly society. This innovation not only helps reduce pollution and carbon emissions but also transforms waste into sustainable energy, supporting Thailand's transition toward greener living.



Related Link : https://sdgs.rmutsv.ac.th/goal/en-7/

A Low-Cost, Automatic Solar-Powered Aeration System for Fish Cages to Effectively Maintain Water Quality

The Tapi River hosts many aquaculture farmers who use fish cages due to their low cost and ease of setup. However, these farmers often face severe fish mortality caused by low dissolved oxygen (DO) levels, especially during dry seasons or floods when water stagnation limits natural oxygenation.

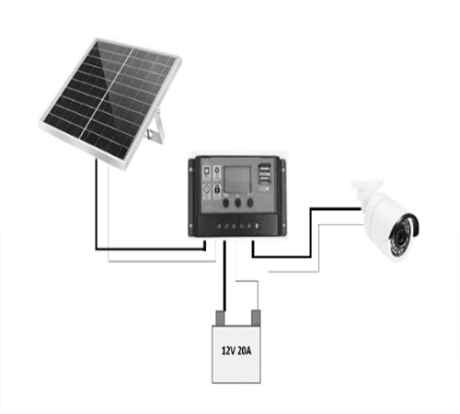
To tackle this issue, three students from the Industrial Technology Program, Faculty of Science and Technology, conducted a research project to develop a practical solution for improving water oxygen levels in fish cage farming.





Related Link : https://sdgs.rmutsv.ac.th/goal/en-7/

RUTS Ratthaphum Campus developed Solar-Powered CCTV System for Remote Agriculture Using TRIZ Methodology



Mr. Aroonrak Tunpanit, a lecturer at RUTS Ratthaphum College, and his research team have developed a solar photovoltaic (PV) power system for CCTV, using the Theory of Inventive Problem Solving (TRIZ) methodology. Focusing on Mangosteen orchards in Nakhon Si Thammarat Province, the project engaged 51 local farmers who expressed strong interest in solar-powered CCTV systems for continuous day-and-night monitoring.

A review of prior research and patents confirmed that Nakhon Si Thammarat's hot, humid climate provides ideal conditions for solar-powered CCTV systems, offering sufficient solar irradiance for continuous operation. The system allows real-time monitoring and playback via an internet-connected application and remains functional during rainy or low-light conditions. Its compact, easy-to-install design enables seamless integration with mobile devices, making it well-suited for deployment in mangosteen orchards.



Related Link : https://sdgs.rmutsv.ac.th/goal/en-7/

Teaching and Learning

Fish cage farming project

Lecturers and students from the Faculty of Science and Technology, RUTS, have transformed classroom learning into real-world innovation by developing a solution to improve water oxygenation in fish cage farming.

Building on theoretical knowledge gained through coursework, the team applied practical research to address one of the most pressing challenges faced by aquaculture farmers low dissolved oxygen (DO) levels that often lead to fish mortality. Through experimentation and collaboration with local farmers, the project bridged the gap between academic learning and community application, demonstrating how science and technology education can directly benefit local aquaculture practices and support sustainable fisheries development.





Related Link : https://sdgs.rmutsv.ac.th/goal/en-7/

Faculty of Engineering and Technology Hosts Solar Rooftop Skills Enhancement Workshop



Faculty of Engineering and Technology in collaboration with Innovation Technology Phuket Co., Ltd., organized a training workshop titled “Solar Rooftop Knowledge and Skills Enhancement.”The program, designed for Electrical Engineering students, aimed to develop practical skills in the installation, repair, and maintenance of solar PV systems, while also promoting entrepreneurship in renewable energy, where they gained hands-on experience in solar rooftop technology.



Related Link : https://sdgs.rmutsv.ac.th/goal/en-7/

RUTS Trang Electrical Engineering Students Conduct Technical Field Study at SCG and Solar Power Plant

Faculty of Engineering and Technology, led a group of faculty members and third-year students from the Electrical Engineering (B.Eng.) Program on a technical field study.

The study visit included trips to Siam Cement Group (SCG) (Thung Song) Co., Ltd. and a solar power plant in Huai Yot District, Trang Province, providing students with valuable hands-on learning experiences in industrial operations and renewable energy systems.





Related Link : https://sdgs.rmutsv.ac.th/goal/en-7/

Outreach and Engagement

Renewable energy contributes to achieving low carbon emissions at RUTS aquarium based on solar rooftop

In 2024, RUTS strengthened its commitment to low-carbon energy by upgrading the campus aquarium building, one of its key visitor attractions. The project involved replacing the existing roof and installing a 150 kWp on-grid solar photovoltaic (PV) system. Moreover, the upgrade greatly improved the building's energy efficiency, resulting in significant electricity savings and reduced dependence on external power sources.



Before



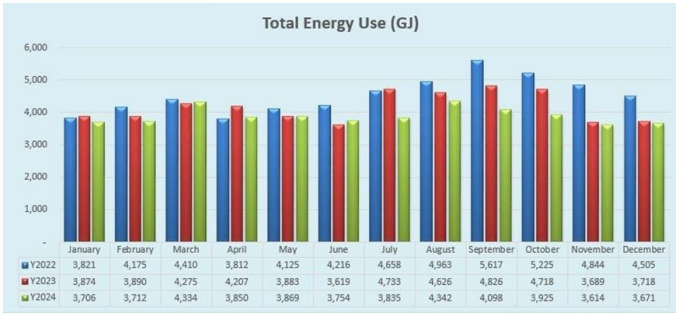
After

Related Link : https://sdgs.rmutsv.ac.th/goal/en-7/

Low carbon energy use in RUTS

RUTS has a total building area of 309,725 m², comprising facilities in Songkhla (159,655 m²), Nakhon Si Thammarat (89,584 m²), and Trang (60,486 m²) Provinces.

In 2024, RUTS recorded total energy use of 46,709 GJ, a reduction of 3,348 GJ (6.69%) from 2023. This decrease equivalent to about 930 MWh or 435.43 metric tons of CO_2e per year is attributed to lower consumption of purchased grid electricity.



Year 2024			Floor Area	309,725	m^2
Month	Electrical Energy			Specific Energy Consumption (SEC)	
	(kWh)	(MJ)	(GJ)	(MJ/m^2)	(GJ/m^2)
January	1,029,322	3,705,558	3,706	11.96	0.01
February	1,031,221	3,712,394	3,712	11.99	0.01
March	1,203,959	4,334,253	4,334	13.99	0.01
April	1,069,381	3,849,770	3,850	12.43	0.01
May	1,074,702	3,868,929	3,869	12.49	0.01
June	1,042,784	3,754,023	3,754	12.12	0.01
July	1,065,314	3,835,130	3,835	12.38	0.01
August	1,206,237	4,342,454	4,342	14.02	0.01
September	1,138,206	4,097,543	4,098	13.23	0.01
October	1,090,224	3,924,808	3,925	12.67	0.01
November	1,003,895	3,614,023	3,614	11.67	0.01
December	1,019,609	3,670,593	3,671	11.85	0.01
Average	**1,081,238**	**3,892,457**	**3,892**	**12.57**	**0.01**
Total	**12,974,855**	**46,709,478**	**46,709**	**150.81**	**0.15**

Table 1 the amount of energy used per unit of usable area during the year 2024

Description	GJ
Total energy used	46,709
Total energy used from low-carbon source	23,089

Table 2 Low carbon energy use in RUTS

Description	
Energy consumption decreased from 2023	3,348 GJ (6.69%)
Carbon reduction (Electric energy)	435.43 metric tons of CO_2e

Table 3 Energy decreased in RUTS

Related Link : https://sdgs.rmutsv.ac.th/goal/en-7/

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8 DECENT WORK AND ECONOMIC GROWTH



PROMOTE SUSTAINED, INCLUSIVE AND SUSTAINABLE ECONOMIC GROWTH, FULL AND PRODUCTIVE EMPLOYMENTAND DECENT WORK FOR ALL

Policy and Operation

Foreigners employee at RUTS

RUTS employs foreign personnel under a clear framework aligned with Thai labor laws and the university's 2016 hiring guidelines. Currently, three foreign staff members primarily in the Faculty of Liberal Arts contribute to teaching, research, curriculum development, and international collaboration.

Their recruitment follows strict criteria regarding qualifications, expertise, and documentation to ensure legal and effective employment. This initiative enhances RUTS's cultural diversity, academic quality, and global engagement, strengthening its international reputation and fostering continuous knowledge exchange. Their expertise enriches students' learning experiences and strengthens their confidence in using English effectively in academic and professional settings.



Mr. Ryan R. Dominguez
Lecturer

Ms. Mitchelle R. Juaban
Lecturer

Mr. Lauro Sadaran Dequina Jr.
Lecturer





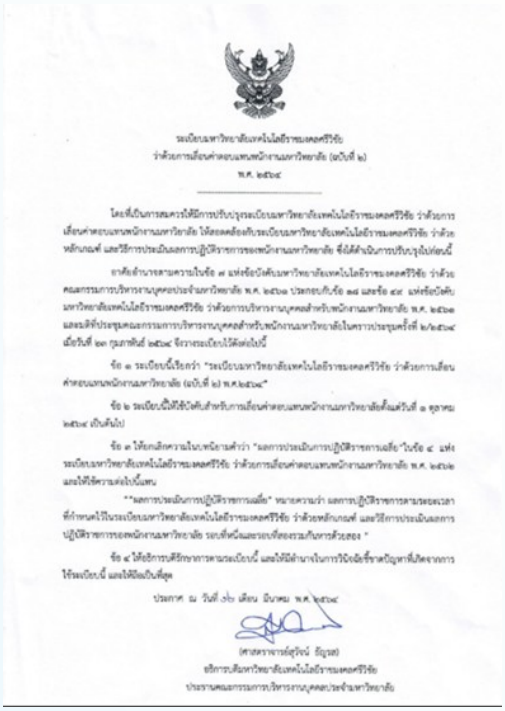
Related Link : https://sdgs.rmutsv.ac.th/goal/en-8/

RUTS Fair and assesses salary increments



RUTS has implemented a compensation adjustment policy aligned with its job performance evaluation regulations. The process ensures fairness and transparency, with salary increases determined by individual performance outcomes.

In essence, RUTS's performance-based compensation system fosters equity, motivation, and accountability, enabling the university to reward excellence while encouraging continuous professional growth and contribution among all employees.



Related Link : https://sdgs.rmutsv.ac.th/goal/en-8/

Research and Innovation

Research on Native Crossbred Chicken Farmer Groups in Central Southern Provinces to Create Competitive Opportunities

Asst. Prof. Dr. Napaphat Chuaychunu from Faculty of Agriculture, RUTS, implemented the research project “Management of Native Crossbred Chicken Farmer Groups in Central Southern Provinces to Create Competitive Opportunities.” The project aims to strengthen the competitiveness and sustainability of native crossbred chicken farming through farmer group development, improved management practices, and enhanced market access. It focuses on building farmer capacity in feed optimization, health management, and breeding, while promoting quality, branding, and marketing opportunities.

The research is expected to empower farmers, increase productivity, and foster sustainable livestock practices, contributing valuable insights for agricultural policy and regional innovation.





Related Link : https://sdgs.rmutsv.ac.th/goal/en-8/

Smart Farming at RUTS



Faculty of Agriculture offers fresh, high-quality vegetables from Smart Farm Saiyai delivered directly from farm to table. Smart Farm Saiyai applies research-based smart farming technologies, such as precision water and nutrient management and digital growth monitoring, to produce safe, chemical-free, and sustainable crops.

The farm emphasizes hands-on care and continuous quality checks to ensure freshness and excellence. It also serves as a learning hub, linking research, innovation, and student internships, enabling learners to apply sustainable farming technologies and gain real-world agricultural experience aligned with industry needs.



Related Link : https://sdgs.rmutsv.ac.th/goal/en-8/

Teaching and Learning

RUTS students to Entrepreneurs



The Hotel and Service Management and Tourism programs under the Faculty of Liberal Arts emphasize experiential learning to build practical skills and student confidence. From their first to fourth year, students engage in hands-on courses that provide real-world experience in hospitality, food and beverage service, and professional tour guiding preparing them for successful careers in the service industry.

Meanwhile, the Faculty of Industrial Education and Technology fosters entrepreneurial development by encouraging students to apply business skills through weekly product sales at Nad Na Suan Market. This activity allows students to gain practical experience in entrepreneurship, marketing, and customer relations, bridging academic learning with real business practice.







Related Link : https://sdgs.rmutsv.ac.th/goal/en-8/

Agricultural Innovation and Entrepreneurship Learning Project

Faculty of Agriculture, RUTS, in collaboration with Benjamarachutit School, Nakhon Si Thammarat, organized the “Agricultural Innovation and Entrepreneurship Learning Project” for 118 students at the Saiyai Campus. The project aimed to strengthen students’ skills in agricultural technology, innovation, and entrepreneurship.

Through the course “Learning Beyond the Classroom,” students received training in business planning, farm management, marketing, and agricultural innovation, combining theory with hands-on experience on university farms and with local entrepreneurs. This approach equips students to become future agricultural entrepreneurs capable of turning knowledge into practical and sustainable agribusiness ventures.











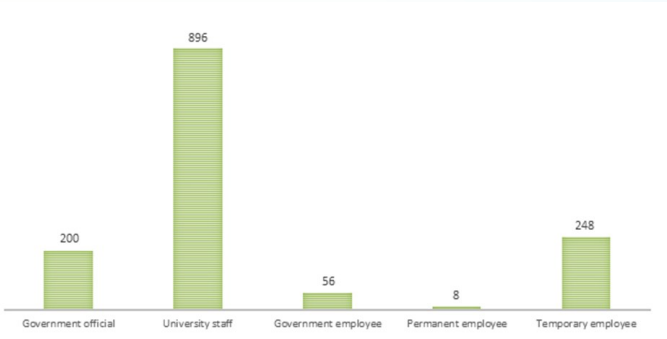




Related Link : https://sdgs.rmutsv.ac.th/goal/en-8/

Outreach and Engagement

Current RUTS employees



As of the current academic year, Rajamangala University of Technology Srivijaya (RUTS) has a total workforce of 1,408 personnel, consisting of faculty members, researchers, and supporting staff across all campuses and academic units. They play a vital role in driving the university's academic excellence, research advancement, and community engagement.





Related Link : https://sdgs.rmutsv.ac.th/goal/en-8/

RUTS employees (More than 24 months)

At Rajamangala University of Technology Srivijaya (RUTS), the Personnel Administration Division under the Office of the President is responsible for collecting and maintaining staff records from all university departments, categorized by employment type including civil servants, university employees, government employees, permanent staff, and temporary staff.

Currently, 1,164 personnel have been employed for more than 24 months, comprising 1,148 civil servants, university employees, government employees, and permanent or temporary staff. This data supports effective workforce management and strategic planning, ensuring that the university maintains accurate and up-to-date employment records .





Related Link : https://sdgs.rmutsv.ac.th/goal/en-8/

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9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



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

Policy and Operation

RUTS Open House “Pitch IDEA 2024” Business Concept Competition



Office of Innovation Management and Technology Transfer (IMTT) hosted RUTS Open House “Pitch IDEA 2024” at the Faculty of Engineering. The competition aimed to give students practical experience in pitching ideas, develop startup ventures, prepare for external funding applications, and promote student entrepreneurship.

Eighteen teams participated 16 from RUTS and 2 from Songkhla Rajabhat University. The event provided hands-on experience in communication, problem-solving, and business planning, helping students turn innovative concepts into viable startups. Participants also gained networking opportunities with peers, mentors, and industry professionals, fostering collaborations and enhancing the university’s entrepreneurial ecosystem.



Related Link : https://sdgs.rmutsv.ac.th/goal/en-9/

RUTS Supports Southern Regional Science Park Entrepreneurs



Entrepreneurs from the University Business Incubator (UBI) submitted their 18-month progress reports during the TOR 66 assessment at Prince of Songkhla University Science Park, Hat Yai Campus. The session, included 5 pre-incubation and 3 startup entrepreneurs under RUTS UBI. The evaluation committee provided feedback on refining target markets, planning business expansion, and strengthening customer relationships to ensure sustainable growth.

Related Link : https://sdgs.rmutsv.ac.th/goal/en-9/

RUTS accelerates faculty academic promotion



RUTS organized the “Accelerated Academic Promotion Program” to strengthen faculty academic potential and career advancement. The program aimed to enhance understanding of academic promotion procedures through expert-led lectures, mentoring, and workshops on academic writing, textbook development, and research aligned with MHESI standards. This initiative supports RUTS’s mission of “Creating People, Creating Innovation for Sustainable Development” and advances its vision of becoming a High-Performance University by fostering academic excellence and professional growth.

Related Link : https://sdgs.rmutsv.ac.th/goal/en-9/

Research and Innovation

Rice Seed Dryer with Automatic Controlled Stirring Device



A research team from Rattaphum College earned international recognition at the 9th International Invention Innovation Competition in Canada (iCAN 2024) for their project “Rice Seed Dryer with Automatic Controlled Stirring Device.” The invention won a Gold Medal and two International Special Awards from the Organization for Creativity, Innovation, and Invention Promotion (OCIIP) and the World Invention Intellectual Property Associations (WIIPA).

This achievement highlights Thai researchers’ innovation capabilities and contributes to the advancement of smart agriculture and the BCG economy, while offering practical applications in agricultural machinery education and rice seed production.



Related Link : https://sdgs.rmutsv.ac.th/goal/en-9/

Red Calo Miracle Lip Balm



Researchers from Faculty of Agriculture and Faculty of Science and Technology received international recognition for their innovation “Red Calo Miracle Lip Balm” at WorldInvent Singapore 2024 (WoSG)

The invention won a Gold Medal and the NRCT Honorable Mention Award, showcasing the creativity and global potential of Thai researchers. This natural-extract lip balm innovation demonstrates applications in cosmetic science, natural product development, and entrepreneurial opportunities within the health and beauty industry.



Related Link : https://sdgs.rmutsv.ac.th/goal/en-9/

Biodiesel Production Unit with the Alkali Earth on Porous Ceramic as a Solid Catalyst

A research team from Rattaphum College earned international recognition for their invention, “Biodiesel Production Unit with the Alkali Earth on Porous Ceramic as a Solid Catalyst,” at WorldInvent Singapore 2024 (WoSG) at the Singapore Expo.

The innovation won a Gold Medal and the NRCT Honorable Mention Award I, highlighting the creativity and research excellence of Thai inventors on the global stage. This work supports teaching in chemistry and renewable energy, promoting students’ practical and innovative skills, while also offering applications for industry and entrepreneurship to improve bioenergy production efficiency in line with the green economy and sustainable development goals.



Related Link : https://sdgs.rmutsv.ac.th/goal/en-9/

Teaching and Learning

Pneumatic and Hydraulic Systems Training Program



The Office of Innovation, Management, and Technology Transfer (IMTT), in collaboration with the Faculties of Industrial Education and Technology, Business Administration, and Engineering, organized the Pneumatic and Hydraulic Systems Training Program to strengthen industry-ready skills. In partnership with Siam Michelin Co., Ltd. (Hat Yai, Songkhla), the IMTT developed a 2025 training course aligning with SDG 9 fostering technology transfer, innovation, and a skilled workforce for sustainable industry.

By enhancing technical expertise and problem-solving skills, the training supports industrial modernization, safety, and productivity helping participants advance their careers while contributing to smarter, more sustainable industrial operations.






Related Link : https://sdgs.rmutsv.ac.th/goal/en-9/

STEAM4INNOVATOR Contest 2024



The Deep South STEAM4INNOVATOR Contest 2024 is an initiative to promote innovation, creativity, and problem-solving among students and young entrepreneurs in Southern Thailand. Integrating Science, Technology, Engineering, Arts, and Mathematics (STEM), the competition encourages participants to develop practical solutions supporting sustainable regional development and the UN Sustainable Development Goals (SDGs).

This initiative reinforces RUTS's and NIA's commitment to nurturing innovation-driven entrepreneurship and empowering youth in Thailand's Deep South to transform ideas into sustainable enterprises.





Related Link : https://sdgs.rmutsv.ac.th/goal/en-9/

Curriculum Development Project : Food Innovation Management for Professional Entrepreneurship

In the era of rapid global transformation, the Office of Innovation, Management, and Technology Transfer (IMTT) at RUTS plays a vital role in connecting academic research with industry needs. One of its key initiatives, the Food Innovation Management for Professional Entrepreneurship Project, aims to enhance students' capabilities in innovation management and entrepreneurship within the agro-food sector. The project conducted to promote innovation-driven entrepreneurship and the commercialization of intellectual property (IP) through the INNOVATOR for Food Coaching Program.

Delivered through lectures, hands-on workshops, and expert discussions, this initiative supports Thailand's Reinventing University policy, preparing graduates with industry-relevant skills to advance the nation's S-Curve food industry.











Related Link : https://sdgs.rmutsv.ac.th/goal/en-9/

Outreach and Engagement

Enhancing the Value of Krill-Based Trang Shrimp Paste through Production Standard Upgrading toward a Provincial Identity Product of Trang

The project “Enhancing the Value of Krill-Based Trang Shrimp Paste through Production Standard Upgrading toward a Provincial Identity Product of Trang” embodies RUTS’s Outreach and Engagement approach, linking academic expertise with local entrepreneurs to improve shrimp paste production quality, standardization, and value. As a result, local income and employment have increased creating jobs for vulnerable and low-income families and boosting local employment by 30%.

Beyond economic gains, the project has encouraged local producers to value quality, standards, and local identity. Collaborative learning between the university and community has empowered entrepreneurs to pursue Halal and FDA certifications, positioning Trang’s shrimp paste as an innovation grounded in local resources and a model of University Engagement for Local Impact.







Related Link : https://sdgs.rmutsv.ac.th/goal/en-9/

Learning Design of Withee Kon Withee Node



The research project “Learning Design of ‘Withee Kon Withee Node’ for the Development and Utilization of Palmyra Palm in Sathing Phra, Songkhla Province” has made significant strides in fostering community innovation, technology development, and grassroots economic growth. Aiming to develope appropriate palmyra-based technologies, and assessing their socio-economic impact, the project covered 14 subdistricts using a participatory approach that empowered locals to become community innovators.

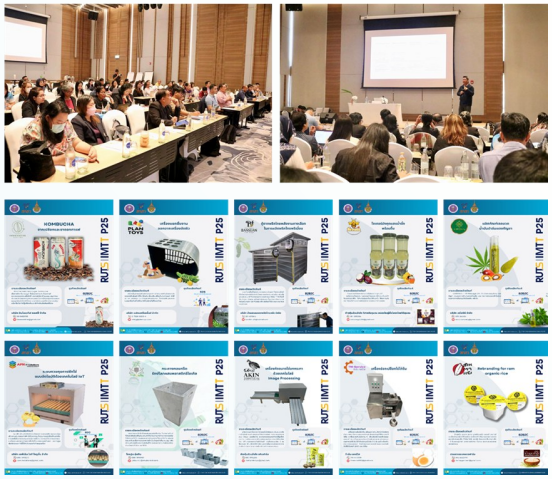
The project also launched the “Withee Kon Withee Node” network, now part of Songkhla’s provincial development plan, serving as a sustainable model that integrates local wisdom with modern technology to strengthen rural innovation and resilience.





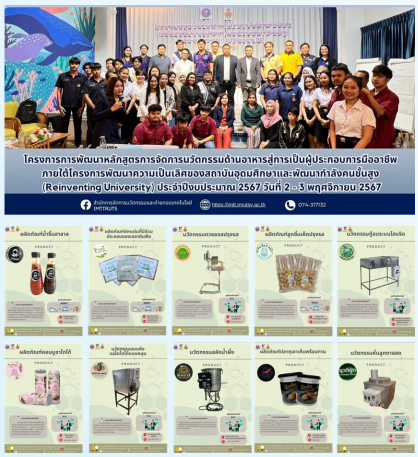
Related Link : https://sdgs.rmutsv.ac.th/goal/en-9/

In 2024, 20 spin-off registered



The Office of Innovation Management and Technology Transfer (IMTT) actively promotes the development of university spin-offs, bridging academic research with real-world commercialization.

Aligned with RUTS's Sustainable Development Goals (SDG), university spin-offs are companies established to commercialize intellectual property (IP) created within the institution, with RUTS retaining partial ownership. In 2024, 20 spin-off companies were registered to utilize RUTS-generated IP. These initiatives reflect RUTS's growing innovation capacity and commitment to translating research into societal and economic impact. By cultivating a strong spin-off ecosystem, RUTS continues to expand the utilization of its IP assets, generate new economic value, and strengthen its role as a driver of regional development and innovation.



Related Link : https://sdgs.rmutsv.ac.th/goal/en-9/

Rajamangala University of Technology Srivijaya Drives Sustainable Innovation through "Appropriate Technology" for Grassroots Development in Songkhla

One flagship initiative, Development of Community Innovation to Enhance the Grassroots Economy in the Songkhla Lake Basin, applies the concept of "Appropriate Technology" to create practical, locally adapted solutions. The project introduced innovations such as a water quality monitoring system for sea bass farming and a solar-powered incubator for salted fish processing, boosting production efficiency, hygiene, and output while reaching TRL 7, ATL-B, and SRL 5-7 ready for community use.

The initiative also developed 41 community innovators who now lead local Learning and Innovation Platforms (LIP) to transfer knowledge and sustain adoption. Through these efforts, RUTS has strengthened local economies, generated employment, and established a sustainable model for university community collaboration and real-world impact.



Related Link : https://sdgs.rmutsv.ac.th/goal/en-9/

RUTS

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