



RMUTP

SDG

REPORT 2024

Rajamangala University of Technology

PHRA NAKHON

SUSTAINABLE
DEVELOPMENT GOALS



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RMUTP History



RMUTP was established on 27 February 1975 when the “Vocational Education and Technology College” Act was announced on the Royal Gazette and came into force. The act aimed to create vocational teachers with a bachelor’s degree to teach vocational education at vocational level, undergraduate level and advanced vocational certificate level. The Act also intended to promote vocational research activities and provide technical services to the communities. Over the years, the Vocational Education and Technology College had developed its teaching techniques, produced quality graduates and provided excellent services to the society. It was not until 15 September 1988 when HM the King granted a new name to the college, which then came to be known as the

“ Rajamangala Institute of Technology ”

With the National Education Act, B.E. 2542 (1999) aimed to decentralize management in education institutes to make them more independent and flexible to handle their own affairs under the university council, Rajamangala Institute of Technology subsequently amended the law governing the institution at that time before enacting it as the

“ Rajamangala University of Technology Act ”



which HM the King signed on 8 January 2005. The law, announced in the Royal Gazette ten days later before coming into effect on 19 January 2005, combines all campuses nationwide into nine Rajamangala University of Technology ; namely, RMUT Thanyaburi, RMUT Krungthep, RMUT Tawan-ok, RMUT Phra Nakhon, RMUT Rattanakosin, RMUT Lanna, RMUT Srivijaya, RMUT Suvarnabhumi and RMUT Isarn. The intention is to turn these nine universities into science and technology university offering advanced vocational training in undergraduate, graduate and PhD levels to accommodate vocational students and to provide education opportunities to those graduated from community colleges. The integration is aimed to provide an opportunity for students to continue vocational study at the undergraduate level. All nine RMUT have been under the supervision of the Office of Higher Education Commission, Ministry of Education.

RMUTP History

RMUTP, the university is composed of four campuses: namely, Thewes Campus, Chotiwet Campus, Bangkok Commercial Campus, and North Bangkok Campus. RMUTP offers vocational certificate programs in industrial and commerce subjects. RMUTP offers undergraduate programs in faculty of liberal arts, faculty of science and technology, faculty of business administration, faculty of engineering, faculty of industrial education, faculty of industrial textiles and fashion, faculty of home economics technology, faculty of mass communication technology, faculty of architecture and design, Institute of gemmology Thai jewellery and design. In addition, RMUTP offers master programs in faculty of business administration, faculty of engineering, faculty of industrial education, faculty of home economics technology, and college of state administration. For doctorate programs, there is also faculty of business administration, faculty of engineering, faculty of home economics technology, and college of state administration. Nowadays, RMUTP has around 10,000 students, and 600 academic staffs.





A University of Qualified Workforce Production



Food Innovation

As Thailand is the world's leading food exporter, RMUTP develops our food innovation to support our local food products to create more value-added and quick responses to state-of-the-art technology.

Green Smart City Innovation

We develop infrastructures in Sciences, Technology, AI Innovation, and Robotics for multipurpose usage in Tech Startup Entrepreneurship, including community and industrial waste management by using Bio Circular Economy.



Digital Economy, E-commerce and ICT

We produce an ICT-qualified workforce and innovative entrepreneurship enhancement to boost Thailand's economic growth.

Innovation for Aging Society

We create innovation to support a better quality of life for the elderly, comply with our national agenda of the BCG Economy Model in medical and health innovation development, and prepare for the aging society.



RMUTP

Message from President

Our Rajamangala University of Technology Phra Nakhon (RMUTP) focuses on producing and developing our graduates to be 'Integrative Innovator' to acquire all skills of know-how knowledge, adaptability, and conquer all challenges in their future career. Study at RMUTP will not only acquire academic knowledge, but also offers invaluable working experiences in international environments as our vision 'RMUTP " University of Technology, Innovation and Integration'



Dr. Natworapol Rachsiriwatcharabul
President of RMUTP



RMUTP

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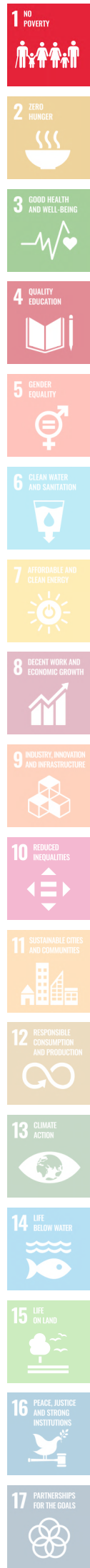
Rajamangala University of Technology

Phra Nakhon **2024**

1 NO
POVERTY



- RMUTP Open for Free Applications Across All Faculties at “RMUTP Open House 2024 : Opportunity Unlocked in Urban Society”
- RMUTP Collaborates with Rajavinit Mathayom School to Provide Full Scholarships to Students with Futsal Talent.



RMUTP Open for Free Applications Across All Faculties at “RMUTP Open House 2024: Opportunity Unlocked in Urban Society”

Rajamangala University of Technology Phra Nakhon (RMUTP) is excited to announce its “RMUTP Open House 2024: Opportunity Unlocked,” an event celebrating the university’s 19th anniversary on 18 January 2024. The event will take place from 17-18 January 2024 at the Bangkok Commercial Campus and is open to everyone, offering a wide range of activities that highlight the university’s capabilities.

In line with RMUTP’s vision as a “University of Technology, Innovation, and Integration,” the event aims to showcase research, innovations, and inventions, reflecting the university’s commitment to producing knowledgeable and adaptable graduates ready to meet the challenges of today’s world.

Dr. Natworapol Rachsirivatcharabul, President of RMUTP, revealed that the event will feature an exhibition of research, innovations, and inventions, such as jewelry made from waste plastic by the Faculty of Home Economics Technology, textile products developed from sugarcane leaf fibers by the Faculty of Textile Industry and Fashion Design, a digital platform supporting financial transactions for the elderly by the Faculty of Business Administration, and a prototype

ethanol-powered vehicle by the Faculty of Industrial Education, among others.

Attendees will also have the opportunity to visit exhibition booths showcasing programs from nine faculties and four departments, apply for admission for free, participate in on-the-spot interviews with immediate results, and enjoy competitions like the Bartender Contest for the Princess Maha Chakri Sirindhorn Cup and the TikTok Clip Contest under the theme “Tobeno1: Be the Best Without Drugs,” competing for the Princess Ubolratana Rajakanya Cup.

A special highlight of the event will be the “Famous Alumni Talk,” featuring alumni such as “Yoon” Phusanu Wongsawanitchakorn, an actor and model, and “Noi” Paramet Saisutthi, a national and international culinary competition champion. The talk will be hosted by “Yo” Phattharawadi Misuna, an NBT 2HD news anchor, along with musical performances by students from the Faculty of Business Administration. Attendees can also enjoy delicious food from over 10 popular food trucks.





RMUTP Collaborates with Rajavinit Mathayom School to Provide Full Scholarships to Students with Futsal Talent.

Dr. Natworapol Rachsirivatcharabul, President of Rajamangala University of Technology Phra Nakhon, and Dr. Thepparith Yodsai, Director of Rajavinit Mathayom School, signed a memorandum of understanding to support education by offering undergraduate scholarships to students with futsal talents. The ceremony was witnessed by Asst. Prof. Saththa Khaengpenkhae, Assistant to the President for Student Affairs, and Ms. Mallika Veerasai, Director of the Student Development Division, along with the executives from both institutions, served as witnesses at the AD&PR Room, Faculty of Mass Communication Technology, Thewet Campus. The objective of this program is to provide the opportunity for students with futsal talents who have completed their secondary education (Grade 12) to pursue a bachelor's degree under a full scholarship for students with special abilities. Additionally, the program aims to foster collaboration and carry out other activities deemed appropriate by both parties, which will benefit the students and the institution.

[Read More](#)

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2 ZERO HUNGER



- RMUTP Hosts Webinar on “Edible Flowers in Thailand: Enhancing Value and Identity in Food” via Zoom for Free
- PMU-A Signs MOU with 9 RMUTs to Drive Ready-to-Use Innovations and Technology for Area-Based Development, Scaling Up Research for Community Utilization.



RMUTP Hosts Webinar on “Edible Flowers in Thailand: Enhancing Value and Identity in Food” via Zoom for Free

The Health, Cosmetic and Anti-Aging Technology (HCAT), The Faculty of Science and Technology at Rajamangala University of Technology Phra Nakhon, invites interested individuals to participate in an online webinar titled “Edible Flowers in Thailand: Enhancing Value and Identity in Food.” This event is part of a research project on “Risk Assessment and Safety, Nutritional Value, Pharmacological Effects, and Sensory Quality of Fresh and Dried Edible Flowers,” scheduled for 27 May 2024 from 1:00 PM to 4:00 PM via Zoom. The webinar is free of charge and open to 500 participants, funded by the Agricultural Research Development Agency (Public Organization) for the fiscal year 2023. Topics covered in the webinar include edible flowers for physical, visual, and emotional nourishment, as well as medicinal uses;

criteria for selecting edible/non-edible flowers; nutritional value, antioxidant effects, phenolic compounds, mineral content, aromatic compounds, and safety aspects of edible flowers; heavy metal and pesticide residue contamination; microbial contamination; sensory testing of edible flowers; development of edible flowers as medicine; and various edible flower-based dishes.

The event will feature discussions on edible flowers with experts from Morganic Farm, Wang Nam Khiao; Flower You Can Eat, Chiang Mai; the Department of Psychiatric and Mental Boromarajonani College of Nursing Suphanburi and specialists in heavy metal residues in food from the University of Phayao.

“Interested participants can register for the seminar at this link: <https://forms.gle/YY3-JRGeeU8eUfcrRA>. For more information, please contact us at 063 190 4373. Details can be found on the Facebook page of the Health, Cosmetic and Anti-Aging Technology at <https://www.facebook.com/hcatscirmutp>.”





PMU-A Signs MOU with 9 RMUTs to Drive Ready-to-Use Innovations and Technology for Area-Based Development, Scaling Up Research for Community Utilization.

Following the policy and strategy of the Ministry of Higher Education, Science, Research and Innovation (MHESI), Minister Ms. Supamas Isarabhakdi has set a vision to "harness the power of Thai higher education, science, research, and innovation to transform the country for rapid and sustainable development, enhance competitiveness through a value-creating economy, and be ready to step into the future."

The policy promotes enabling public access to and benefit from research, shifting from "research that sits on the shelf" to "research that reaches the market" in order to help drive the economy, solve the nation's critical problems, and meet the country's future needs. This is particularly focused on solving problems for and developing grassroots communities, which include farmers, the impoverished, and local entrepreneurs.

Therefore, it is a key duty of the MHESI to support the creation and promotion of ready-to-use innovations and appropriate technology from local universities to assist communities throughout Thailand.

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3 GOOD HEALTH AND WELL-BEING



- The Rajamangala University of Technology Phra Nakhon community donated blood in honor of His Majesty the King.
- RMUTP in collaboration with the Kanchanabaramee Foundation, offers free breast cancer screening in honor of His Majesty the King's 72nd Birthday Anniversary.
- Rajamangala University of Technology Phra Nakhon Conducts Fire Prevention and Suppression Plan Training for 2024
- RMUTP Charity Bowling 2024
- Rajamangala University of Technology Phra Nakhon Sends a Sports Team to the 49th Thai University Games



The Rajamangala University of Technology Phra Nakhon community donated blood in honor of His Majesty the King.

On July 12, 2024, Rajamangala University of Technology Phra Nakhon, in collaboration with the Thai Red Cross Society, organized the volunteer project “Every Unit Unites the Hearts of the Ministry of Higher Education, Science, Research and Innovation to Donate Blood 2024” to honor His Majesty the King on the auspicious occasion of His Majesty’s 72nd birthday anniversary on July 28, 2024. The event took place on the first floor of the Rajburi Direkrit Building at the Thewet Campus. The event was led by Assistant Professor Saththa Khaengpenkhae, Assistant to the President for Student Affairs, and was supported by the university’s administration, faculty, staff, and students who participated in the blood donation. A total of 275 people registered to donate blood, resulting in a total donation of 167 units. This blood donation not only helps others in need but also fosters a spirit of sacrifice, kindness, and joy in giving. It contributes to better health by stimulating the bone marrow to produce red blood cells, leading to an improved circulatory system.





RMUTP in collaboration with the Kanchanabaramee Foundation, offers free breast cancer screening in honor of His Majesty the King’s 72nd Birthday Anniversary.

On November 6, 2024, Dr.Natworapol Rachsiriwatcharabul, President of Rajamangala University of Technology Phra Nakhon, presided over the opening ceremony of the Breast Cancer Screening Program using a mobile mammogram unit for high-risk and underprivileged women. The program was held in honor of His Majesty the King on the auspicious occasion of His 72nd Birthday Anniversary, celebrated on July 28, 2024. The event was attended by Dr. Somyos Deerasamee, Chairman of the Kanchanabaramee Foundation.

This program aimed to honor His Majesty the King on this momentous occasion and to raise awareness about risk factors, symptoms, treatment options, and self-examination techniques for breast cancer. The screening involved the use of mammography to identify individuals at risk. Additionally, donations were accepted to support the Kanchanabaramee Foundation’s ongoing initiatives.

The project received support from medical personnel, nurses, and public health officials from the Kanchanabaramee Foundation, Public Health Service Center 6 of the Woman’s Cultural Club, and public health volunteers who assisted in the breast cancer screening process.

The program saw enthusiastic participation from staff and women in the Dusit, Phra Nakhon, and Pom Prap Sattru Phai districts, who actively joined the screening initiative.





Rajamangala University of Technology Phra Nakhon Conducts Fire Prevention and Suppression Plan Training for 2024

On January 31, 2024, Dr. Natworapol Rachsiriwatcharabul, President of Rajamangala University of Technology Phra Nakhon, presided over the “Fire Prevention and Suppression Plan Training for 2024” conducted by lecturers from the Samsen Fire Station. The training covered CPR, basic fire extinguishing, emergency evacuation during a fire, and practical fire extinguishing using Low-pressure water mist fire extinguishers. Additionally, lectures were provided on using automatic external defibrillators by lecturers from ALSOK Thai Services Co., Ltd. The training aimed to equip participants with the knowledge and understanding to prevent and suppress fires, handle emergencies, and familiarize themselves with evacuation procedures in case of a fire. It also aimed to reduce injuries and fatalities following safety, occupational health, and environmental guidelines related to fire prevention and suppression.



RMUTP Charity Bowling 2024

On June 29, 2024, Lieutenant General Chainarong Kitrungrrojcharoen, Vice President of the University Council, acting as the President of the Council of Rajamangala University of Technology Phra Nakhon (RMUTP), presided over the opening ceremony of the RMUTP CHARITY BOWLING 2024 competition for the HRH Princess Maha Chakri Sirindhorn Trophy. Asst. Prof. Kamol Promlawan, President of the RMUTP Alumni Association, delivered a report at the event. This event was a collaboration between the RMUTP Alumni Association and RMUTP, organizing the competition. The results were as follows: In the team category, the Insee Team won first place and received the HRH Princess Maha Chakri Sirindhorn Trophy. The first runner-up was the Insee Phangat Team, which received the RMUTP University Council President Trophy. The second runner-up was the Pol.Maj.Gen. Surasak Team, which received the RMUTP President Trophy. In the individual category, Khun Santi (TI) from the Chumphon Khet Udomsak Alumni Team and Ms.Watchaniya (TEA) from the “Received and Noted by the Faculty of Business Administration” Team received trophies from the Alumni Association President. Lastly, the Booby Prize Team, Maelaung Tor Ma, received the Alumni Association Trophy. The event aimed to foster unity and promote health among administrators, faculty, staff, alumni, and current students. It also served as a charitable effort to create educational opportunities for students at Rajamangala University of Technology Phra Nakhon. The event was held at Blu-o Rhythm & Bowl, Siam Paragon Shopping Center.



Rajamangala University of Technology Phra Nakhon Sends a Sports Team to the 49th Thai University Games

Assistant Professor Saththa Khaengpenkhae, Assistant to the President for Student Affairs, along with Ms. Mallika Weerasai, Director of the Student Development Division, Rajamangala University of Technology Phra Nakhon, participated in the opening ceremony of the 49th Thai University Games held from January 27 to February 5, 2024, at Kasetsart University, Kamphaeng Saen Campus, Nakhon Pathom. The event was honored by Ms. Supamas Issarapakdee, Minister of Higher Education, Science, Research, and Innovation, who presided over the opening ceremony, alongside Mr. Theerayut Chandithawat, Deputy Governor of Nakhon Pathom, and Dr. Chongrak Watcharinrat, President of Kasetsart University.

RMUTP has sent a university sports team to compete in 11 sports, including football, futsal, petanque, Thai sword, swimming, crosswords, board games, tennis, table tennis, badminton, and amateur boxing.



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4 QUALITY EDUCATION



- RMUTP Strengthens Educational Ties with Bhutan: A Step Towards International Collaboration
- RMUTP Welcomes Delegation from Guizhou Vocational College of Industry to Discuss Operations under the Jing Shi Institute
- RMUTP discusses with a Chinese college to admit Chinese students for further studies.
- RMUTP Signs Academic Cooperation Agreement with Anshan Normal University



RMUTP Strengthens Educational Ties with Bhutan: A Step Towards International Collaboration

On December 26, 2024, Dr. Natworapol Rachsirawatcharabul, President of Rajamangala University of Technology Phra Nakhon (RMUTP), and Asst. Prof. Dr. Prin Boonkanit, Vice President for Administrative, Research, and Innovation Development, welcomed Mr. Karma S. Tshosar, Deputy Chief of Mission from the Embassy of the Kingdom of Bhutan in Thailand, during his visit to discuss future educational collaboration. The meeting aimed to explore opportunities for enhancing academic programs, fostering joint research initiatives, and promoting knowledge exchange between the two countries. Promoting Bilateral Collaboration

During this meaningful occasion, Mr. Karma S. Tshosar presented a birthday gift from His Majesty King Jigme Khesar Namgyel Wangchuck of Bhutan to Dr. Natworapol, along with New Year greetings, symbolizing the strong bond between Bhutan and Thailand. This meeting marks a significant step in strengthening the partnership between RMUTP and Bhutan, paving the way for increased collaboration in education, research, and innovation.

Key Focus Areas of Collaboration

- Academic Development:
 - Enhancing curricula to reflect the demands of globalized education.
 - Introducing exchange programs for students and faculty to foster cultural and academic understanding.
- Research and Innovation:
 - Joint research projects addressing global and regional challenges.
 - Sharing expertise in technology and sustainable development.
- Capacity Building:
 - Workshops and training sessions to elevate skills for educators and students.
 - Development of innovative teaching and learning tools.

A Commitment to Global Engagement

Dr. Natworapol emphasized RMUTP's dedication to building international academic networks, stating, "Our collaboration with Bhutan reflects RMUTP's commitment to fostering global partnerships that empower students, enhance faculty capabilities, and generate knowledge that addresses contemporary challenges."

The discussion highlighted RMUTP's vision of becoming a hub for international collaboration, leveraging its expertise in applied sciences and innovation to make a meaningful impact on global education.



Strengthening Thailand-Bhutan Relations

This meeting underscores the longstanding friendship between Thailand and Bhutan and showcases the role of education in fostering diplomatic ties. RMUTP aspires to contribute to this relationship by advancing educational excellence and nurturing a generation of globally competent graduates.

The university looks forward to further discussions and the formalization of agreements that will benefit students, researchers, and educators in both nations. By working together, RMUTP and Bhutan aim to create a brighter, more sustainable future through shared knowledge and innovation.



RMUTP Welcomes Delegation from Guizhou Vocational College of Industry to Discuss Operations under the Jing Shi Institute

Rajamangala University of Technology Phra Nakhon Welcomes a Delegation from Guizhou Vocational College of Industry, People's Republic of China

On November 12, 2024, Rajamangala University of Technology Phra Nakhon (RMUTP) warmly welcomed a delegation of seven executives from Guizhou Vocational College of Industry, People's Republic of China, during their visit for discussions and collaboration. The delegation was received by Asst. Prof. Dr. Kasidech Sutthivanich, Vice President for University Council Affairs, along with Mr. Theerachet Paengthirasukmai, Director of the Digital Interdisciplinary and Robotics Institute, at Rapheephat conference room, 3rd Floor, Rapeepatthanasak Building, Rajamangala University of Technology Phra Nakhon, Thewet campus.

The visit included meetings to discuss collaborative initiatives, particularly focusing on Big Data analysis and management projects, as well as industrial management. The delegation also toured various RMUTP facilities, including:

- The Faculty of Liberal Arts,
- The Jing Shi Institute's teaching laboratories,
- The Institute of Digital and Robotic Interdisciplinary Studies,
- Laboratories of the Faculty of Science and Technology,
- The Mechatronics Engineering Laboratory,
- The Thai Jewelry and Gem Design Institute Laboratory, and
- The Faculty of Engineering.

Guizhou Vocational College of Industry and RMUTP are network institutions under a signed collaboration agreement, focusing on joint operations at the Jing Shi Institute and the Digital Interdisciplinary and Robotics Institute. These institutes aim to provide academic services to society and enhance educational standards. They also play a critical role in developing high-potential human resources in engineering and technology, preparing professionals for both domestic and international careers. These efforts are anchored at RMUTP's Faculty of Engineering, North Bangkok Campus.



RMUTP discusses with a Chinese college to admit Chinese students for further studies.

On July 17, 2024, Assistant Professor Dr.Prin Boonkanit, Vice President for Administrative, Research, and Innovation Development, along with the university's management team, welcomed Mr. Bo Liu, Deputy Secretary and President of the Party Committee of Neijiang Vocational and Technical College, P.R. China, and Mr. Li Dan, Vice President of Shaanxi Tourism Cuisine Professional College, P.R. China, and their delegation at Rapheepeat conference room, 3rd Floor, Rapeepatthanasak Building, Thewet campus. The purpose of the visit was to discuss student exchange programs, particularly the admission of Chinese students holding diplomas from vocational and technical colleges to pursue bachelor's degrees at Rajamangala University of Technology Phra Nakhon, as well as faculty exchange programs. Additionally, they discussed the admission of Chinese faculty members to pursue master's and doctoral degrees at the university. The delegation also toured the teaching and learning facilities of the Faculty of Mass Communication Technology.



RMUTP Signs Academic Cooperation Agreement with Anshan Normal University

On July 8, 2024, Rajamangala University of Technology Phra Nakhon (RMUTP) signed an academic cooperation agreement with Anshan Normal University (ANU), P.R. China. The signing ceremony was presided over by Dr. Natworapol Rachsiriracharabul, President of RMUTP, and Mr. Liu Gengwei, an executive of ANU. The event was held in a hybrid format with a live broadcast to the Chinese side, attended by senior executives and representatives from both institutions. This academic cooperation agreement aims to facilitate student exchange for university-level studies, promote faculty development in education and curriculum, and encourage participation in academic conferences to exchange knowledge in academics and research. The ceremony took place at Rapheepeat conference room, 3rd Floor, Rapeepatthanasak Building, Rajamangala University of Technology Phra Nakhon, Thewet campus.

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5 GENDER EQUALITY



- Promoting Equal Educational Opportunities: The Foundation for an Equitable Future
- Providing Platforms for Talent: A Stage for Recognition and Confidence-Building
- Transparent and Fair Administration: The Unseen but Crucial Mechanism



Promoting Equal Educational Opportunities: The Foundation for an Equitable Future

The gender-neutral admission policy for the 2024 academic year is more than just an administrative process; it is the first gateway to establishing equality at a structural level. By not setting gender-based quotas or conditions for admission into faculties that might have been stereotypically viewed as male-dominated, such as the Faculty of Engineering or the Faculty of Architecture, and conversely, being fully open in faculties traditionally associated with women, like the Faculty of Home Economics Technology, the university is actively dismantling ideological barriers and fostering diversity across all fields of study.

This policy directly contributes to creating a new generation of graduates with an open-minded perspective, accustomed to working collaboratively with people of all genders in an equitable environment. Upon entering the workforce, they will carry this culture of respect and equality into their organizations and the wider society. This is how equality is established from the ground up, creating a long-term, positive impact.



Providing Platforms for Talent: A Stage for Recognition and Confidence-Building

The activities organized by the university are not merely for entertainment; they are key tools for building confidence and instilling an acceptance of diversity.

- "RMUTP SINGING CONTEST 2024": The clear separation of male and female competition categories holds a significance that goes beyond mere gender categorization. It ensures that there is a space and an opportunity for everyone to compete fairly. This allows students to showcase their abilities to the fullest without concern for being compared across physical differences and results in winners from both genders, thereby promoting diverse role models.



- "RMUTP Awards 2024" (Student Ambassador Contest): Having a variety of titles such as MISS RMUTP, MISTER RMUTP, CUTE GIRL, and CUTE BOY sends a clear message that the university values various forms of personality and ability, not confined to a single standard of beauty or talent. This event allows students to present their authentic selves, build self-esteem, and learn to appreciate the differences in others—a crucial skill for living together in society.





มหาวิทยาลัยเทคโนโลยีราชมงคลพระนคร

ผลการประเมินคุณธรรมและความโปร่งใสในการดำเนินงาน
(Integrity and Transparency Assessment : )

ได้รับคะแนนอยู่ในระดับ

93.17

อันดับที่ **3** ของกลุ่มราชมงคล

อันดับที่ **36** หน่วยงานประเภทสถาบันอุดมศึกษา

ประเมินโดย สำนักงานคณะกรรมการป้องกันและปราบปรามการทุจริตแห่งชาติ

ผลิตโดย : งานสื่อสารองค์การ

Transparent and Fair Administration: The Unseen but Crucial Mechanism

Although an internal matter, achieving a high score on the Integrity and Transparency Assessment (ITA) is an intangible yet essential foundation that directly impacts the sense of security and equality among all staff and students.

- The Link to Gender Equality: A transparent administrative system means having clear, auditable criteria for performance evaluation, promotion, and rewards. This helps reduce gender bias that may be latent in the decisions of executives or committees. It assures all personnel that career advancement is genuinely based on merit and performance, not on gender.

- Building an Organizational Culture: A high ITA score sends a powerful signal throughout the organization that "fairness" is a core value. This fosters an atmosphere of trust, reduces conflicts, and makes everyone feel like an integral part of the institution. Such an environment enables female students and staff to realize their full potential without

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6 CLEAN WATER AND SANITATION



– The Role of Rajamangala University of Technology Phra Nakhon in Advancing the Goal of Clean Water and Sanitation



The Role of Rajamangala University of Technology Phra Nakhon in Advancing the Goal of Clean Water and Sanitation

In an era where the world is committed to sustainable development, higher education institutions play a crucial role as mechanisms for driving these goals through their core missions: producing graduates, conducting research, providing academic services to the community, and preserving arts and culture. Rajamangala University of Technology Phra Nakhon (RMUTP) is one such institution that has demonstrated its commitment to supporting Sustainable Development Goal 6 (SDG 6: Clean Water and Sanitation for All) through concrete and integrated operations across multiple dimensions.

1. Teaching and Instruction: Creating Experts to Protect Water Resources

The most critical foundation for supporting SDG 6 is the creation of knowledgeable and skilled personnel to manage the nation's water resources. RMUTP entrusts this mission to the Faculty of Science and Technology as the primary body.

- The Environmental Science and Technology program not only teaches theory but also emphasizes intensive practical application. In the "Water Pollution Laboratory" course, students acquire essential skills, from planning and conducting water sample collection in the field to using fundamental quality testing instruments (e.g., for pH and dissolved oxygen) and analyzing complex parameters in the lab. The "Water Pollution Prevention" course teaches principles of controlling pollution at its source, from both industrial and community sectors. This ensures that graduates are well-equipped to work effectively as wastewater treatment system supervisors in factories or as environmental academics in public agencies.

2. Research and Innovation: From the Laboratory to Real-World Application

RMUTP ensures that academic knowledge does not remain static in textbooks but is transformed into tangible innovations that solve real-world problems.

- A prominent example is the "Floating Buoy for Wastewater Monitoring in Aquaculture" from the Faculty of Engineering. This innovation masterfully integrates local wisdom, inspired by the Chaipattana Aerator, with modern digital technology. The device not only aerates the water but is also equipped with sensors for real-time quality monitoring, sending data directly to farmers' smartphones. This allows for immediate intervention, supporting the grassroots economy while protecting the environment.

- Additionally, policy and management research is conducted to improve the efficiency of the university's resource use. This includes studies on recycling treated water for landscaping or finding ways to reduce water loss in the campus plumbing system. This knowledge can then serve as a model for other organizations.

3. Policy and Operations: Creating a Model for an Environmentally Conscious Organization

The university has earnestly applied the principles of SDG 6 to its internal management through the Green University policy, formally announced in 2024.

- The "Water Management" component of this policy involves more than just awareness campaigns; it includes concrete actions such as progressively installing water-saving fixtures in buildings and implementing a regular leak detection and repair program. Crucially, this transforms the university into a "living laboratory" where students and staff see and participate in water conservation in their daily lives, thereby fostering a sustainable organizational culture.

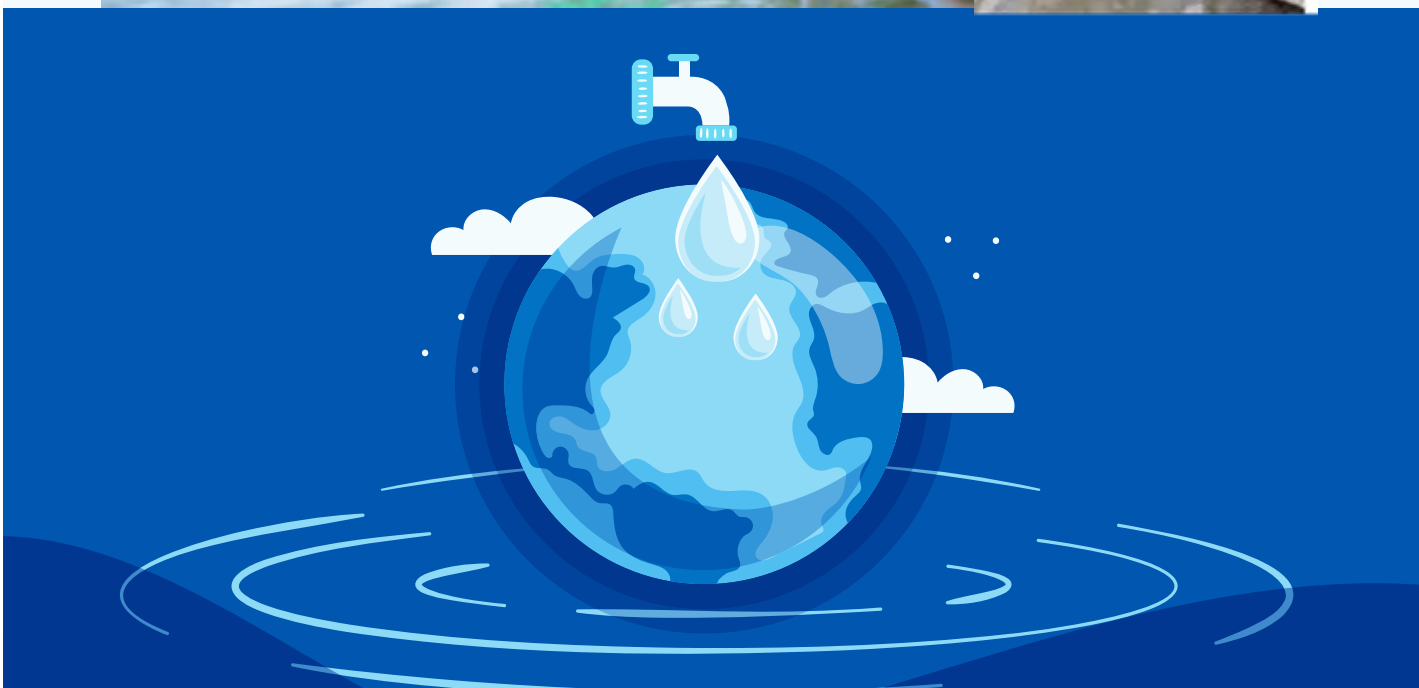


4. Student Activities: Instilling Consciousness through Direct Experience

To complete the learning process, RMUTP encourages students to experience the real world and contribute to society.

- Field trips to institutions like the Environmental and Pollution Control Office offer a golden opportunity for students to witness the actual work processes of environmental protectors, interact with officers, and understand the challenges of enforcing environmental laws—an invaluable experience that cannot be found in the classroom.

- Volunteer activities, such as the "RMUTP CNE-Clean & Clear" project, are hands-on initiatives that create an immediate impact. Collecting trash in public areas and along canals is a direct intervention that breaks the cycle of waste flowing into rivers and oceans. This is a fundamental way of solving the problem at its source and truly instilling a sense of public responsibility in students. In summary, RMUTP has systematically and comprehensively advanced its SDG 6-related work by creating skilled individuals (through its curriculum), developing practical innovations (through research), leading by example (through internal policies), and fostering a conscious mindset (through student activities). This reflects the role of a higher education institution that is deeply committed to not only imparting academic knowledge but also to being a vital force in building a sustainable future for Thai society and the global community.



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Rajamangala University of Technology

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7 AFFORDABLE AND CLEAN ENERGY



- RMUTP Collaborates with Ten Innovation Co., Ltd. to Promote Clean Energy
- RMUTP Announces Move Towards Becoming a Green University
- RMUTP RACING Team won 2nd place for Asia-Pacific Class in Shell Eco-marathon Asia Pacific and Middle East 2024



RMUTP Collaborates with Ten Innovation Co., Ltd. to Promote Clean Energy

On July 9, 2024, Rajamangala University of Technology Phra Nakhon signed a memorandum of understanding (MOU) with Ten Innovation Co., Ltd., at Rapheephat conference room, 3rd Floor, Rapeepatthanasak Building, Rajamangala University of Technology Phra Nakhon, Thewet campus. The MOU was signed by Dr. Natworapol Rachsirivatcharabul, President of RMUTP, and Mr. Theerawat Sutham, CEO of Ten Innovation Co., Ltd.

The objectives are to coordinate academic cooperation, promote and enhance teaching and training capabilities, and develop professional skills and other related activities in the electrical industry, such as joint research and development to foster technology and innovation. Additionally, the collaboration aims to enhance Thailand's energy security potential, including related businesses and supply chains, as well as to advocate for both Thai and foreign entrepreneurs to adopt clean energy developed by Thai expertise. This initiative is intended to promote trade, economy, and society by building capabilities and competitive advantages for Thailand's public and private organizations to advance with sustainable clean energy security.





RMUTP Announces Move Towards Becoming a Green University

Dr. Natworapol Rachsirivatcharabul, President of Rajamangala University of Technology Phra Nakhon, revealed that the university has consistently prioritized environmental and sustainability issues. In collaboration with public and private sector organizations, RMUTP has developed innovations and installed equipment to reduce energy consumption within its facilities. This year, to achieve tangible results, the university has declared a policy to become a Green University for 2024, based on the framework of the UI GreenMetric World University Rankings. Four criteria from this ranking system will be adopted for management, awareness-building, and fostering a sense of responsibility among RMUTP personnel and students. These include energy and climate change, with campaigns promoting the use of electricity only when necessary, turning on lights and air conditioning only when needed, and increasing green spaces throughout the university.

Dr. Natworapol further stated that in terms of waste management, the university supports the use of electronic document systems to facilitate work and reduce paper usage. The university also promotes the reduction of plastic cups and bags by encouraging students and staff to use products made from natural materials as alternatives. Additionally, waste sorting is encouraged to enable the reuse of materials. Regarding water conservation, the university has launched campaigns to promote the efficient use of water. Lastly, in terms of transportation, the university proposes organizing Car-Free Day activities to reduce air pollution caused by commuting and to raise awareness of environmental issues. The university also advocates for the use of public transportation and carpooling under the concept of “sharing the same route.” Furthermore, Dr. Natworapol envisions that in the future, RMUTP will be among the organizations contributing to national sustainability by instilling and promoting environmental consciousness among its students.

มหาวิทยาลัยเทคโนโลยีราชมงคลพระนคร
มหาวิทยาลัยสีเขียว

ด้านพลังงานและการเปลี่ยนแปลงสภาพภูมิอากาศ

- เปิดไฟและเครื่องปรับอากาศตามจำเป็น
- เพิ่มพื้นที่สีเขียวทุกหน่วยงาน

ด้านน้ำ

- อนุรักษ์และใช้น้ำอย่างประหยัด

ด้านของเสีย

- ลดการใช้กระดาษและใช้เท่าที่จำเป็น
- ใช้แก้วนำส่วนตัว ลดการใช้แก้วกระดาษและแก้วพลาสติก
- ใช้ถุงผ้าแทนการใช้ถุงพลาสติก
- ใช้กระดาษ ๒ หน้า
- การใช้ระบบสารบรรณอิเล็กทรอนิกส์
- การจัดทำเอกสารประกอบการประชุมโดยไม่ใช้กระดาษ
- ใช้อีเมลอิเล็กทรอนิกส์เพื่อลดการใช้เอกสารประกอบการสอน
- ลดการใช้กระดาษในการจัดทำหลักสูตร
- ใช้ภาชนะส่วนตัวในการใส่อาหารแทนการใช้จานกระดาษหรือจานพลาสติก
- ลดการใช้กระดาษ
- สนับสนุนการออกแบบผลิตภัณฑ์ที่ทำจากวัสดุธรรมชาติหรือของเหลือใช้
- การคัดแยกขยะ เพื่อนำขยะที่สามารถใช้ได้นำกลับมาใช้ใหม่

ด้านการขนส่ง

- ใช้ยานพาหนะที่ใช้ไฟฟ้าแทนการใช้น้ำมันเชื้อเพลิง
- จัดกิจกรรม Car free day (ลดการใช้รถยนต์ส่วนตัว) เพื่อสร้างความตระหนักเกี่ยวกับปัญหามลพิษทางอากาศและมลพิษทางอากาศที่เกิดจากการเดินทาง
- ใช้รถประจำทางและขนส่งสาธารณะแทนการใช้ยานพาหนะส่วนตัว
- รณรงค์การใช้พาหนะส่วนตัวร่วมกันไปทางเดียวกัน (Car sharing)
- ลดพื้นที่จอดรถ เพิ่มพื้นที่สีเขียว

ประกาศนโยบายมหาวิทยาลัยสีเขียว



RMUTP RACING Team won 2nd place for Asia-Pacific Class in Shell Eco-marathon Asia Pacific and Middle East 2024

Congratulations to RMUTP Racing Team comprising of students from Faculty of Industrial Education, Rajamangala University of Technology Phra Nakhon (RMUTP); Mr. Techarit Yothinratanakun (Driver), Mr. Pornpipat Sinthaweekat (Team manager), Mr. Nopporn Khongniam (Mechanic 1), and Mr. Siriwut Jaranelarp (Mechanic 2), won the 2nd place in the Prototype Category with an internal combustion engine (ICE) vehicle by using ethanol fuel with the result of 892.5 km/l which climbing from the 4th place of the last year. This competition was prepared and trained by Acting Lt. Nattakit Ritthong, lecturer of Mechanical and Pol. Capt. Wuttichai Morjai to be lecturer consultant. This year's event took place from July 2-6, 2024, at the Mandalika International Circuit in Lombok, West Nusa Tenggara Province, Indonesia with a total of 80 teams from 12 countries joining in this competition.

Pol. Capt. Wuttichai Morjai, lecturer consultant of the team said that this year we have developed our engine system, car transmission system, and brake system by electrical tuning and the Engine Control Unit (ECU) which is the key to this competition. Our students have to join in the hard training program for 1 – 2 months before joining in the competition day.



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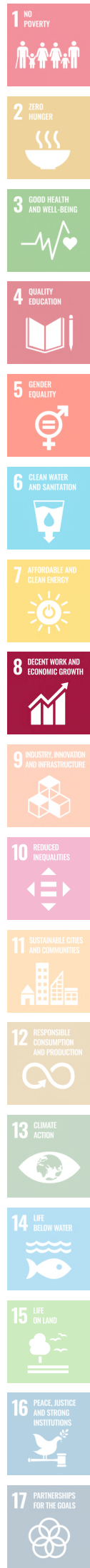
Rajamangala University of Technology

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8 DECENT WORK AND ECONOMIC GROWTH



- RMUTP Conducts Orientation for New Faculty Members
- Language Institute Conducts Workshop on “Developing Language Proficiency for Translation Work”
- Home Economics students from RMUTP created dishes and won 3 bronze medals.
- RMUTP Collaborates with Office of the Basic Education Commission to Enhance English Skills for Students According to CEFR Standards
- RMUTP Organizes Career Advancement Training for Support Staff



RMUTP Conducts Orientation for New Faculty Members

On June 17, 2024, Dr. Natworapol Rach-siriwatcharabul, President of Rajamangala University of Technology Phra Nakhon, presided over the opening of the New Faculty Orientation Program, held from June 17-18, 2024, at the Chomnapa Room, S.D. Avenue Hotel, Bangkok. A total of 31 newly appointed university lecturers participated in this program, which aimed to prepare them with the knowledge and understanding of their roles and responsibilities in delivering effective, ethical, and morally grounded education. The program also sought to instill a strong sense of professional awareness in teaching and to foster good relationships and networks among the new faculty members, ensuring they can contribute effectively to the university.

The program featured several engaging lectures and practical sessions, including “Classroom Design Based on KSA Principles”

and “Designing Assessment and Learning Management Tools,” delivered by a team of experts from the Innovation Entrepreneur Development Office at King Mongkut’s University of Technology Thonburi (KMUTT), including Asst. Prof. Dr. Pakorn Supinanont, Ms. Kittiya Wongyai, Ms. Thitiporn Marungsi, and Ms. Neeranuch Pikaew, a member of the Innovation Entrepreneur Development Office team at the Knowledge Exchange (KX) of King Mongkut’s University of Technology Thonburi (KMUTT).

Additionally, there was a lecture on “Higher Education Standards and Course Syllabus Writing” by Ms. Nuchnapa Ruenopchoei, former Advisor on Educational Standards and a highly regarded academic at the Office of the Permanent Secretary, Ministry of Higher Education, Science, Research, and Innovation (MHESI). Furthermore, a session on “Research Grant Applications” was conducted by Dr. Chalakorn Udomraksasakul, Director of Institute of Research and Development





Language Institute Conducts Workshop on “Developing Language Proficiency for Translation Work”

The Language Institute at Rajamangala University of Technology Phra Nakhon organized a workshop on “Developing Language Proficiency for Translation Work.” The workshop was presided over by Asst. Prof. Kullayot Suwantaraj, Assistant to the President for Vocational Curriculum Development, to help participants understand the strategies for effective translation and to translate written content within context. The workshop was led by Asst. Prof. Dr. Karan-supamas Engchuan from the Faculty of Social Sciences and Humanities, Mahidol University, and was attended by 20 participants on 7 June 2024, at the Language Institute, Ratchaburi Direkrit Building.





Home Economics students from RMUTP created dishes and won 3 bronze medals.

Rajamangala University of Technology Phra Nakhon (RMUTP) congratulates Mr. Sirawit Thongpli, a fourth-year student in the Food and Nutrition program, for winning a bronze medal in the Asian Curry Challenge. Mr. Pattaek Khongmun, a fourth-year student in the Food and Nutrition program, also received a bronze medal in the Main Course Challenge, while Ms. Natthaporn Chaimongkol, a second-year student in the Applied Home Economics program, Faculty of Home Economics Technology, won a bronze medal in the Fruits and Vegetable Live Challenge Competition (Individual). These achievements were part of the 10th Thailand Ultimate Chef Challenge (TUCC) or “THAIFEX – Anuga Asia 2024,” organized by the Thailand Chefs Association, held from May 28 to June 1, 2024, at IMPACT Muang Thong Thani. The competition featured over 700 chefs from around the world participating in various categories.

Mr. Sirawit Thongpli, a student in the Food and Nutrition program, shared that this cooking competition provided a valuable platform to showcase his culinary skills and creativity. For the Asian Curry Challenge, participants were required to prepare curries from two different Asian countries. He chose to make Thai curry and Indian curry, each with its unique taste and characteristics. The Thai curry he prepared was based on an ancient recipe that is now difficult to find, focusing on highlighting the traditional flavors. For the Indian curry, he emphasized the use of distinctive spices, making only slight adjustments to the taste. The preparation for this competition took a considerable amount of time due to the time constraints during the contest and the need for intense concentration. Acquiring various techniques during his studies significantly enhanced his cooking skills. Additionally, he received valuable advice from faculty members in the Food and Nutrition program, Faculty of Home Economics Technology at Rajamangala University of Technology Phra Nakhon, who are experts in Thai cuisine. They provided guidance on flavors and technique adjustments. He is satisfied with the competition results and sees them as motivation to further develop his culinary skills in the future.

Ms. Natthaphorn Chaimongkol stated that the fresh fruit and vegetable carving competition is the most challenging event she has ever participated in, as it is a national-level competition. This required extensive preparation before entering the competition, including designing patterns, practicing carving, and planning the display to showcase the work. The standout feature of the carved patterns lies in their intricate details and the incorporation of new designs, which require dedication, skill, and experience. During the competition, numerous challenges arise, such as limited time and the preservation of fruits and vegetables after carving. Therefore, the knowledge gained in the classroom and the experience shared between senior students significantly enhance their skills.



RMUTP Collaborates with Office of the Basic Education Commission to Enhance English Skills for Students According to CEFR Standards

Dr. Natworapol Rachsiriwatcharabul, President of Rajamangala University of Technology Phra Nakhon (RMUTP), participated in a signing ceremony with Mrs. Kesthip Supawanich, Deputy Secretary-General of the Office the Basic Education Commission (OBEC), to launch a project aimed at enhancing English learning skills to improve students’ language abilities according to the Common European Framework of Reference for Languages (CEFR). The collaboration between Rajamangala University of Technology Phra Nakhon and the Office the Basic Education Commission took place on 7 May 2024 at the OBEC 1 Meeting Room, The Ministry of Education.

The partnership’s objective is to jointly develop an English learning skills curriculum for teachers, promoting students’ language abilities in line with CEFR standards. The project targets 901 quality primary schools, with over 1,000 English teachers and more than 100,000 students in grades 5 and 6. This initiative aims to elevate students’ English proficiency to an international level, aligning with the Minister of Education’s policy of enabling learning anytime, anywhere, and supporting teaching and learning. It also aims to enhance the quality of education in line with local contexts and demands, addressing educational disparities in Thai society.



RMUTP Organizes Career Advancement Training for Support Staff

On February 14, 2024, Dr. Khomkhate Pedcharat, Assistant to the President for Human Resource Management at Rajamangala University of Technology Phra Nakhon (RMUTP), presided over the opening of the “Career Advancement Pathways for Support Staff” program. The first activity of this program focused on “Techniques for Developing an Operations Manual” and took place in the Big Data Room on the 4th floor of the Rajaburi Direkrit Building at RMUTP’s Thewet Campus. The program aimed to equip 40 government officials and university support staff with the knowledge and skills needed to create high-quality work, enhancing both their personal development and the efficiency of their organization.

The training session was led by Mr. Paphapon Paphangpurin, Director of the Operations Management Division at the Faculty of Communication Arts and Management Innovation, National Institute of Development Administration (NIDA). The session covered essential topics such as the fundamentals of creating an operations manual, guidelines for selecting appropriate titles, and case studies on comprehensive job analysis.



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9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



- Rajamangala University of Technology Phra Nakhon Upskills Industry Workers to Develop Design and Engineering Innovation Skills
- RMUTP Joins Hands with Private Sector to Organize Workshop on Producing and Branding 3 Popular Skin Lotion Formulas!
- Rajamangala University of Technology Phra Nakhon Equips Students with Technology-Integrated Education
- RMUTP Launches Upskilling Classrooms to Transform Industrial Workforce into New-Generation Graduates
- RMUTP Executives Establish Academic Collaboration with Shenzhen Yuejiang Technology Co., Ltd. (Dobot) and Visit BYD Electric Vehicle Factory



Rajamangala University of Technology Phra Nakhon Upskills Industry Workers to Develop Design and Engineering Innovation Skills

On January 10, 2024, the Faculty of Industrial Management Engineering for Sustainability, Faculty of Engineering, Rajamangala University of Technology Phra Nakhon, in collaboration with the Thai Tool and Die Industry Association, organized the “Up skill Re skill Start up for Sustainable Engineering Innovation Design and Creation” Phase 2 project from January 10-12, 2024.

The project was opened by Dr. Natworapol Rachsiriwatcharabul, the President of Rajamangala University of Technology Phra Nakhon, at the Fueangthong Conference Room, Faculty of Engineering, RMUTP (North Bangkok Center). Asst. Prof. Saharat Wongsisa, a faculty member of the Faculty of Engineering and project leader, stated that developing personnel to support advanced manufacturing technology industries is

crucial. This project, organized under the cooperation between the university and the Thai Tool and Die Industry Association, aims to enhance learning, product development from upstream, and high-value innovation promotion.

The main target group includes industry personnel and government agencies. The event featured lectures on manpower development to promote the cutting tool manufacturing industry, aligned with the Ministry of Higher Education’s policy, honored by Asst. Prof. Poolsak Koseeyaporn, Deputy Director of the Ministry of Higher Education, Science, Research, and Innovation Policy Bureau. Training topics included Cutting Tools Manufacturing Technology, Cutting Tools Geometry practice, and Machine Setup Helitronic Raptor. The training was held at the university, focusing on upstream manufacturing industry technology, with RMUTP being the first to have CNC Grinding Machine technology.

Additionally, joint training was conducted with W.P.P. Engineering Co., Ltd., where participants gained hands-on experience at real workplaces.





RMUTP Joins Hands with Private Sector to Organize Workshop on Producing and Branding 3 Popular Skin Lotion Formulas!

The Health Technology, Cosmetics, and Anti-Aging program at the Faculty of Science and Technology, Rajamangala University of Technology Phra Nakhon (RMUTP), collaborated with Chanapoom Co., Ltd. to hold a training and practical workshop on skin lotion products on January 20, 2024. The event was honored by Dr. Jirasak Tarajak, Dean of the Faculty of Science and Technology, who presided over the opening ceremony and welcomed the participants.

The workshop attracted considerable interest from various sectors, including government and private entities, students, and especially entrepreneurs interested in producing or developing skin lotion formulas, as well as those looking to build their own brand. Participants engaged in hands-on practice for every product, covering every step from the beginning to the final packaging.

Furthermore, attendees received comprehensive advice on product branding, cosmetic manufacturing for both OEM and ODM, and cosmetic product registration.

The skin lotion formulas were developed by lecturers from the Health Technology, Cosmetics, and Anti-Aging program, including Asst. Prof. Dr. Sirirat Panich, Dr. Jintapat Nateewattana, and Asst. Prof. Dr. Worawit Chansuwan. The three formulas—a lotion, a lotion bar, and a lotion stick—are enriched with primrose oil, rice bran oil, coconut oil, and sunflower seed oil, which are effective in addressing dry skin after warm showers or from prolonged exposure to dry air.



Rajamangala University of Technology Phra Nakhon Equips Students with Technology-Integrated Education

On January 9, 2024, Asst. Prof. Sattha Khaengpenkhae, Assistant to the President for Student Affairs at Rajamangala University of Technology Phra Nakhon, presided over the opening of the “RMUTP University of Technology Innovation and Integration” project at the Learning Space, 3rd Floor, Ratchaburi Direkrith Building, RMUTP Thewet Center. The project aims to enhance students’ capabilities in integrating technology with education for future work, with participation from over 70 staff and students. The project was honored by Mr. Pathompong Akramahamongkolchai, an IT expert from Sygen Co., Ltd., and Ms. Satinee Paisopha, a graphic and web design expert. They provided knowledge on various topics, including basic data analysis for work, AI usage basics, presentation techniques with Canva, and presenting with Canva.





RMUTP Launches Upskilling Classrooms to Transform Industrial Workforce into New-Generation Graduates

Rajamangala University of Technology Phra Nakhon (RMUTP) Conducts Training on “Competency Development for Integrating Automation and Industrial Robots to Create Sustainable Production Models”

The Digital Interdisciplinary and Robotics Institute, RMUTP, organized a training program titled “Competency Development for Integrating Automation and Industrial Robots to Create Sustainable Production Models.” This initiative is part of the New-Generation Graduate Program (Non-Degree Certificate) for the fiscal year 2024, aimed at developing high-competency personnel for the industrial sector (New Growth Engine). The event was inaugurated by Asst. Prof. Dr.Prin Boonkanit, Vice President for Research and Innovation Development, at Asahi-Thai Alloy Co., Ltd., Samut Prakan, on November 6, 2024.

Asst. Prof. Dr.Prin Boonkanit stated that technologies such as Artificial Intelligence (AI) and automation are increasingly collaborating with human workers. Hence, continuous learning and skill enhancement are crucial for the workforce, particularly in the robotics industry. Key skills include operating industrial robot controllers, programming industrial robots, utilizing robotic tools, and maintaining and replacing electrical components in robots. To meet these needs, RMUTP, with funding from the Ministry of Higher Education, Science, Research, and Innovation, developed this specialized training program.

This course is designed for 20 employees of Asahi-Thai Alloy Co., Ltd., combining onsite and online sessions over four months. Graduates can earn credits stored in the university’s credit bank. In the future, participants who meet the requirements and complete the program may transfer these credits toward a bachelor’s degree, creating significant opportunities for industrial personnel.

Dr.Ananop Piyasinsathit, Director of Quality Management Systems at Asahi-Thai Alloy Co., Ltd., highlighted the importance of education and lifelong learning. The collaboration between universities, the government, and private sectors ensures that the training program meets industry standards. The curriculum includes 60 hours of theoretical learning and 165 hours of practical training, totaling 225 hours, conducted over three days a week. Participants also engage in project-based work to develop innovations that address organizational challenges effectively.

This initiative not only enhances workforce skills but also fosters innovation, driving sustainable development in the industrial sector.



RMUTP Executives Establish Academic Collaboration with Shenzhen Yuejiang Technology Co., Ltd. (Dobot) and Visit BYD Electric Vehicle Factory

Dr. Natworapol Rachsiriwatcharabul, President of Rajamangala University of Technology Phra Nakhon, along with Asst. Prof. Asst. Prof. Dr. Nattapong Phanthuna, Dean of the Faculty of Engineering, Asst. Prof. Dr. Rungarun Pornjareun, Dean of Faculty of Industrial Education, and Mr.Thirachet Paengteerasukkamai, Director of Digital Interdisciplinary and Robotics Institute, visited Shenzhen Yuejiang Technology Co., Ltd. (Dobot) in Shenzhen, China, from May 20 to 25, 2024. During this visit, they explored various facilities, including the BYD electric vehicle factory and rail transport plants, to study China’s cutting-edge technological advancements.

During this visit, Dr. Natworapol Rachsiriwatcharabul also signed a Memorandum of Understanding (MOU) with Shenzhen Yuejiang Technology Co., Ltd. (Dobot). The MOU aims to foster academic collaboration, research, and exchange programs for students and staff between the university and the company. This partnership marks a significant step towards building an international academic network and enhancing the technological expertise of both parties.

In addition, the university delegation visited Guangdong AIB Polytechnic College to introduce Rajamangala University of Technology Phra Nakhon and discuss potential future collaborations, demonstrating a strong commitment to academic cooperation and international education development.

This MOU signing and study visit are part of RMUTP’s ongoing efforts to enhance the capabilities of its students and staff, as well as to strengthen the university’s research and innovation initiatives for the future.

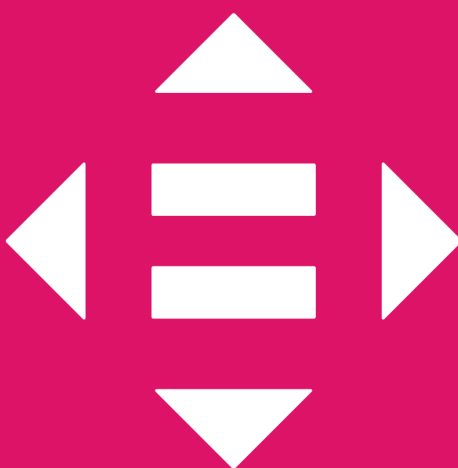


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10 REDUCED INEQUALITIES



- RMUTP Open House 2024: Rajamangala University of Technology Phra Nakhon (RMUTP) Opens Doors to Every Urban Opportunity
- Rajamangala University of Technology Phra Nakhon Offers 30 Sports Scholarships for 2024 Academic Year
- RMUTP Conducts Orientation for New Faculty Members
- RMUTP Opens Opportunities for Athletes to Enroll in Undergraduate Programs with 8 Sports Scholarships and 260 Sports Quotas for 2024
- RMUTP Discusses Collaboration with Jilin International Studies University to Admit Chinese Students in 3+1 Program



RMUTP Open House 2024: Rajamangala University of Technology Phra Nakhon (RMUTP) Opens Doors to Every Urban Opportunity

Dr. Natworapol Rachsiriwatcharabul, President of Rajamangala University of Technology Phra Nakhon, stated that over the past 19 years, the university has focused on developing future workforce by integrating modern technology into education. Throughout their university life, students will learn through real-world work experiences. The university has strengthened curricula by forming academic partnerships with leading national industries, allowing students to learn skills from experienced professionals, aiming to produce graduates that meet labor market demands.

This year marks another milestone with the “RMUTP Open House: Opportunity Unlocked” event on January 17–18, 2024, at Pranakhon Commercial Center. The university aims to provide educational opportunities for all, emphasizing lifelong learning for everyone, regardless of age, gender, or status. The first group targeted is the workforce looking to upskill or reskill through short courses offered by the university, such as floral arrangement, automotive mechanics, and electrical engineering.

The university also provides opportunities for those with educational qualifications below a bachelor’s degree, such as vocational certificates, diplomas, or equivalent, to continue their education and gain qualifications that meet employer needs, adapting to work with modern technology. The second group is vulnerable groups and people with disabilities. The university collaborates with networks such as the Association for the Promotion of Quality of Life for People with Disabilities and the Office of Special Education Administration to provide opportunities for people with hearing, visual, or physical impairments to study at higher levels without tuition fees, from enrollment to graduation, with access to educational facilities and services.

“Our system allows everyone to learn throughout their lives. We do not expect everyone to graduate with a degree, but we want everyone to have professional skills through short courses, such as cooking, which can be used for self-sustenance. If, in the future, they wish to pursue further education, they can transfer their learning for qualification,” said the President.

Dr. Natworapol Rachsiriwatcharabul added that the event features various activities showcasing potential, such as research, innovation, and invention exhibitions, curriculum introduction booths from nine faculties and four departments, music performances by Business Administration students, and talks with alumni. There is also a professional skills competition for students, with the “Drink Mixing” competition (Bartender) awards presented to Neti Saengsawang from Phra Nakhon Si Ayutthaya Vocational College, the first runner-up Thamawut Thiwasamrit from Chetupon Commercial College, and the second runner-up Kanyapat Denkunanont from Suan Sunandha Rajabhat University.



RMUTP #dek67 ที่มีความสามารถพิเศษด้านกีฬาทุกประเภท
ราชมณฑลพระนคร

ทุนนักกีฬา กว่า 30 ทุน

รับสมัครตั้งแต่วันที่ - 4 มีนาคม 2567

คุณสมบัติเบื้องต้น

- สมัครเข้าศึกษาต่อระดับอุดมศึกษา
- มีความประพฤติดี ขยันหมั่นเพียร มีระเบียบวินัย
- เกรดเฉลี่ยสะสมไม่ต่ำกว่า 2.00
- มีประวัติ ผลงาน และความสามารถด้านกีฬา

***ทุนการศึกษาตลอดหลักสูตร**

สอบถามเพิ่มเติม
กองพัฒนาศึกษา 02 665 3777 ต่อ 6963

สมัครเลย

Rajamangala University of Technology Phra Nakhon Offers 30 Sports Scholarships for 2024 Academic Year

Rajamangala University of Technology Phra Nakhon is accepting applications for students with outstanding sports abilities to study at the university level. The sports scholarship for students with special sports talents for the 2024 academic year aims to provide educational opportunities for those with exceptional sports skills and to support the national sports development plan, offering 30 scholarships.

The sports included are volleyball, beach volleyball, football, futsal, footvolley, basketball, sepak takraw, petanque, amateur boxing, Muay Thai, pencak silat, karate, taekwondo, badminton, table tennis, dancing, athletics, tennis, swimming, chess, checkers, hoop takraw, cycling, or other sports.

Applicants must have a cumulative GPA of no less than 2.00, meet the faculty or field of study requirements, demonstrate good conduct, and have an outstanding sports performance history at some level within the past five years (from January 1, 2023, to present), such as being a national team athlete or representing the national youth team, or national youth sports.

Interested individuals can apply through the direct admission system, round 1, from now until March 4, 2024





RMUTP Conducts Orientation for New Faculty Members

On June 17, 2024, Dr. Natworapol Rach-siriwatcharabul, President of Rajamangala University of Technology Phra Nakhon, presided over the opening of the New Faculty Orientation Program, held from June 17-18, 2024, at the Chomnapa Room, S.D. Avenue Hotel, Bangkok. A total of 31 newly appointed university lecturers participated in this program, which aimed to prepare them with the knowledge and understanding of their roles and responsibilities in delivering effective, ethical, and morally grounded education. The program also sought to instill a strong sense of professional awareness in teaching and to foster good relationships and networks among the new faculty members, ensuring they can contribute effectively to the university.

The program featured several engaging lectures and practical sessions, including "Classroom Design Based on KSA Principles"

and "Designing Assessment and Learning Management Tools," delivered by a team of experts from the Innovation Entrepreneur Development Office at King Mongkut's University of Technology Thonburi (KMUTT), including Asst. Prof. Dr. Pakorn Supinanont, Ms. Kittiya Wongyai, Ms. Thitiporn Marungsi, and Ms. Neeranuch Pikaew, a member of the Innovation Entrepreneur Development Office team at the Knowledge Exchange (KX) of King Mongkut's University of Technology Thonburi (KMUTT).

Additionally, there was a lecture on "Higher Education Standards and Course Syllabus Writing" by Ms. Nuchnapa Ruenopchoei, former Advisor on Educational Standards and a highly regarded academic at the Office of the Permanent Secretary, Ministry of Higher Education, Science, Research, and Innovation (MHESI). Furthermore, a session on "Research Grant Applications" was conducted by Dr. Chalakorn Udomraksasakul, Director of Institute of Research and Development





RMUTP Opens Opportunities for Athletes to Enroll in Undergraduate Programs with 8 Sports Scholarships and 260 Sports Quotas for 2024

Rajamangala University of Technology Phra Nakhon is now accepting applications from students with exceptional athletic abilities in football, basketball, board games, and sepak takraw for undergraduate programs in the 2024 academic year. The university is offering 8 sports scholarships, which will cover tuition for the entire course duration from the first academic year. Additionally, 260 sports quotas are available across 9 faculties:

- Faculty of Industrial Education: 60 quotas
- Faculty of Home Economics Technology: 34 quotas
- Faculty of Business Administration: 61 quotas
- Faculty of Mass Communication Technology: 10 quotas
- Faculty of Science and Technology: 18 quotas
- Faculty of Liberal Arts: 28 quotas
- Faculty of Industrial Textiles and Fashion Design: 8 quotas
- Faculty of Architecture and Design: 15 quotas
- Faculty of Engineering: 26 quotas

Applicants must have a cumulative GPA of at least 2.00 and meet the specific criteria for the chosen faculty or program. They should also have a record of achievements and notable abilities in the specified sports. Candidates should demonstrate diligence, good conduct, and discipline. Applications are open from now until May 1, 2024.

To apply:

Register for the direct admission round 2 at this link.

Complete the sports application form at this link.

For more information, contact the Sports Office, Student Development Division, Rajamangala University of Technology Phra Nakhon at 02 665 3777 ext. 6963. For details, visit their Facebook page: Sports RMUTP.



RMUTP Discusses Collaboration with Jilin International Studies University to Admit Chinese Students in 3+1 Program

Dr. Natworapol Rachsirivatcharabul, President of Rajamangala University of Technology Phra Nakhon (RMUTP), along with Assistant Professor Dr. Yutthapoom Suwannavej, Dean of the Faculty of Liberal Arts, and the faculty's executive team, held discussions with Associate Professor Dr. Thirarat Chabjainai, an expert in the Thai Language Department and Senior Foreign Affairs Advisor, and Miss Su Wei, Head of the Thai Language Department, Faculty of Oriental Languages at Jilin International Studies University (JISU), People's Republic of China.

The discussions focused on admitting Chinese students to RMUTP's 3+1 program in the Applied Thai Language major, under the Faculty of Liberal Arts. Additionally, they explored the potential for signing a Memorandum of Understanding (MOU) and a Memorandum of Agreement (MOA) to facilitate academic exchanges, student and faculty exchanges, research

collaborations, professional training, short-term exchanges, cultural exchanges, and international experience opportunities for both Chinese and Thai students. The meeting took place on 8 February 2024, at the Rapeepat Meeting Room, Office of the President, Thewet Campus.

Jilin International Studies University is a private institution in China with the largest Thai language program in the country. Many of its students are eager to learn multiple languages and immerse themselves in foreign cultures. This aligns with RMUTP's plans to expand its International College, which is set to offer programs to international students across various faculties. Currently, RMUTP offers nine international programs across five faculties. The university is well-prepared with facilities, qualified instructors, and a commitment to delivering education to international students. RMUTP's faculty members are highly skilled in their respective fields and are dedicated to developing and internationalizing their knowledge and expertise.



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11 SUSTAINABLE CITIES AND COMMUNITIES



- RMUTP in collaboration with the Kanchanabaramee Foundation, offers free breast cancer screening in honor of His Majesty the King's 72nd Birthday Anniversary.
- RMUTP Holds Sports Development Committee Meeting to Promote University-Level Boxing Athletes and Preserve the Art of Muay Thai and Boxing Performances
- RMUTP continues the Buddhist tradition by offering candles for the Buddhist Lent.
- RMUTP organized a volunteer activity, "Doing Good from the Heart," in honor of His Majesty King Rama X.
- RMUTP organized a special lecture on "Wang Rapheephat and Contemporary Architecture."
- RMUTP swept the top awards at the 14th "Nine Rajamangala Universities United in Preserving Thai Culture" event.



RMUTP in collaboration with the Kanchanabaramee Foundation, offers free breast cancer screening in honor of His Majesty the King’s 72nd Birthday Anniversary.

On November 6, 2024, Dr.Natworapol Rachsiriwatcharabul, President of Rajamangala University of Technology Phra Nakhon, presided over the opening ceremony of the Breast Cancer Screening Program using a mobile mammogram unit for high-risk and underprivileged women. The program was held in honor of His Majesty the King on the auspicious occasion of His 72nd Birthday Anniversary, celebrated on July 28, 2024. The event was attended by Dr. Somyos Deerasamee, Chairman of the Kanchanabaramee Foundation.

This program aimed to honor His Majesty the King on this momentous occasion and to raise awareness about risk factors, symptoms, treatment options, and self-examination techniques for breast cancer. The screening involved the use of mammography to identify individuals at risk. Additionally, donations were accepted to support the Kanchanabaramee Foundation’s ongoing initiatives.

The project received support from medical personnel, nurses, and public health officials from the Kanchanabaramee Foundation, Public Health Service Center 6 of the Woman’s Cultural Club, and public health volunteers who assisted in the breast cancer screening process.

The program saw enthusiastic participation from staff and women in the Dusit, Phra Nakhon, and Pom Prap Sattru Phai districts, who actively joined the screening initiative.





RMUTP Holds Sports Development Committee Meeting to Promote University-Level Boxing Athletes and Preserve the Art of Muay Thai and Boxing Performances

RMUTP Hosts Boxing Sports Development Committee Meeting to Advance University Boxing, Preserve Muay Thai Arts, and Promote Public Engagement

On November 8, 2024, Rajamangala University of Technology Phra Nakhon (RMUTP), through its Student Development Division, held the 2nd Boxing Sports Development Committee Meeting of 2024. The meeting was chaired by General Chetta Thanajaro, former Commander-in-Chief of the Royal Thai Army, in his capacity as Chair of the Advisory Board. Attendees included Dr. Natworapol Rachsiriratcharabul, President of RMUTP, along with honorary advisors such as the Presidents of RMUTP Alumni Associations, including those of Rajamangala University of Technology, Bangkok Commercial Campus, Chotiwet Campus, and North Bangkok Campus. The meeting was held at Rapheepat conference room, 3rd Floor, Rapeepatthanasak Building, Rajamangala University of Technology Phra Nakhon, Thewet campus.

Key Agenda and Outcomes:

1. Educational Development:

- Support for boxing athletes to pursue higher education, with scholarships awarded based on their skills.
- Promotion of inter-university boxing tournaments to align the sport's growth across universities.
- Development of university-level boxing athletes to compete on national and international stages.

2. Cultural Preservation:

- Hosting discussions on the future and perspectives of boxing in Thailand.
- Producing promotional materials to highlight the art of Muay Thai techniques
- Organizing "Keeta Muay Thai" performances, showcasing Muay Thai combined with music, as cultural media for both domestic and international audiences.

3. Promotion and Public Engagement:

- Offering short training courses for students, the general public, and foreigners to build skills in boxing and self-defense.

The RMUTP Boxing Sports Development Committee is committed to realizing these initiatives and advancing the goals of fostering boxing education, preserving cultural heritage, and expanding accessibility to the sport.



RMUTP continues the Buddhist tradition by offering candles for the Buddhist Lent.

On July 19, 2024, Rajamangala University of Technology Phra Nakhon (RMUTP) organized the annual activity “RMUTP Continuing the Buddhist Tradition of Offering Candles for the Buddhist Lent 2024,” as part of the university’s ongoing project to uphold traditions and celebrate significant days. The event, which was the fifth activity in this project, was presided over by Dr. Natworapol Rachsiriwatcharabul, the President of the university, who led administrators, faculty, staff, and students in offering candles to Phra Thamma Wachirayan (Jiraphon Athijatto), the Abbot of Wat Bowonniwet Vihara, who was the representative of the monastic community. This event aimed to uphold the tradition of offering candles for the Buddhist Lent and to promote Thai arts and culture, as well as to encourage the practice of Buddhist teachings. Additionally, the activity fostered organizational engagement and raised awareness of the duty of Thai people to preserve and continue their cultural heritage. The event was held at Wat Bowonniwet Vihara in Bangkok.





RMUTP organized a volunteer activity, “Doing Good from the Heart,” in honor of His Majesty King Rama X.

Dr. Kongkiat Maha-in, Assistant to the President for Arts and Culture at Rajamangala University of Technology Phra Nakhon, presided over the opening of the volunteer activity “Doing Good from the Heart” as part of the project to uphold traditions and significant days. This was the 6th activity, celebrating the birthday of His Majesty the King on the auspicious occasion of His Majesty’s 72nd birthday anniversary on July 28, 2024. The event was held at Wat Makut Kasatriyaram Ratchaworavihan in Phra Nakhon district, Bangkok, on July 25, 2024. The activity involved faculty, staff, and students from the Faculty of Engineering, who shared their knowledge and professional skills to integrate into the community by repairing projector screens, installing ceiling fans in the school cafeteria, and repairing the school’s electrical transformers. These efforts greatly facilitated the school’s teaching and learning management efficiently. The activity demonstrated gratitude for the royal benevolence in granting the royal volunteer project, following the royal initiative “We Do Good with Our Hearts,” which fosters unity, love, and bonds among the nation’s institutions, religion, monarchy, and the people.





RMUTP organized a special lecture on “Wang Rapheephat and Contemporary Architecture.”

On July 10, 2024, RMUTP organized a special lecture to commemorate the 150th anniversary of the birth of HRH Prince Ratchaburi Direkrit, the Father of Thai Law. The event was held at D-Hall, Thewet Campus, and presided over by Dr. Natworapol Rachsiriratcharabul, President of RMUTP, with Lieutenant General Chainarong Kitrungrorjcharoen, Vice President of the University Council, acting as the President of the Council of Rajamangala University of Technology Phra Nakhon.

Dr. Natworapol Rachsiriratcharabul stated that RMUTP organized the event to honor HRH Prince Ratchaburi Direkrit, highlighting his significant contributions to Thai law and his role in establishing the foundations of the Thai judicial system. The event featured a lecture on contemporary architecture and Rapheephat Palace by Professor Dr. Peerasri Potong, Assistant Dean of the Faculty of Architecture at Chulalongkorn University and an expert in modern architecture in Southeast Asia, and Dr. Phontham Thamwimon, Director of the Landscape Architecture Group, Department of Fine Arts, as well as a storytelling session by Professor (Special) Tongthong Chandransu, Advisor to the Prime Minister and President of Roi Et Rajabhat University Council, and Associate Professor Dr. Chachapon Chaiporn, Deputy Dean of the Faculty of Law, Chulalongkorn University.

Lieutenant General Chainarong Kitrungrorjcharoen, stated that the four campuses of Rajamangala University of Technology Phra Nakhon are centrally located, providing convenient access and being valuable assets of the university. The Thewet Campus was originally the location of the Raphi Palace or Ratchaburi Palace, which belonged to Prince Raphi of Ratchaburi Direkrit, the Father of Thai Law, and a significant contributor to the nation of Thailand. The land for this palace was granted to him by King Chulalongkorn (Rama V). Throughout his career, Prince Raphi laid the foundations for legal work and the judicial system, and he developed the education system for legal studies. This led to reforms that brought Siamese law on par with those of other civilized nations. Subsequently, numerous legal and justice institutions were established, serving as pillars for the stability of the country. This palace area has since been inherited and transformed into the educational institution now known as Rajamangala University of Technology Phra Nakhon. Therefore, this area is a source of great pride and will continue to be a place that produces quality graduates for the industrial sector and drives future progress.





RMUTP swept the top awards at the 14th “Nine Rajamangala Universities United in Preserving Thai Culture” event.

Rajamangala University of Technology Phra Nakhon, led by Dr. Natworapol Rachsirivatcharabul and Asst. Prof. Satta Khaengpenkhae, Assistant to the President for Student Affairs, participated in the 14th “9 Rajamangala University Cultural Preservation” event, held from April 4–7, 2024, at Rajamangala University of Technology Suvarnabhumi and Wat Phanan Choeng Worawihan in Phra Nakhon Si Ayutthaya. Under the concept “Echoes of the Land, Honoring the Sky: A Tribute to Thailand’s Heritage, Celebrating the Art and Culture of Suvarnabhumi,” executives from all nine Rajamangala University of Technology campuses participated in the opening ceremony, alongside faculty, staff, and cultural ambassadors. The event was honored by Mr. Praphan Tribubpa, Deputy Governor of Phra Nakhon Si Ayutthaya Province, who presided over the opening ceremony.

At the event, RMUTP students brought honor to the university by winning three first-place awards and one runner-up award. Among these, the top prize in the solo male Luk Thung singing competition was awarded to Mr. Patthana Neta-nong, a student from the Faculty of Home Economics Technology, who received a trophy graciously presented by Her Royal Highness Princess Siribha Chudhabhorn.

First Place in Female Solo Thai Folk Song Performance: Ms. Atchariya Jindawong, Faculty of Mass Communication Technology.

First Place in the Presentation of Best Practices in Student Activities: “Innovative Volunteerism,” under the topic of implementing the PDCA cycle in student activities. They were awarded the trophy by Ms. Supamas Issaraphakdee, Minister of Higher Education, Science, Research, and Innovation.



First Runner-Up First Runner-Up in the folk song singing competition (group category with dancers), receiving a trophy from the Governor of Phra Nakhon Si Ayutthaya Province. This event provided a platform for cultural ambassadors from the nine Rajamangala Universities to showcase their unique skills, creativity, and performances in valuable traditional arts and cultural dances, aiming to promote and preserve Thai culture for both the event’s participants and the general public.



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12 RESPONSIBLE CONSUMPTION AND PRODUCTION



- RMUTP Offers Workshops on Popular Sweets: Macarons and Timber Rings
- Natural Dye from Waste Coconut Shells and Taboon Bark: RMUTP Students Turn Waste into Valuable Local Products for Ban Lom Thuan Community
- Home Economics students from RMUTP created dishes and won 3 bronze medals.



RMUTP Offers Workshops on Popular Sweets: Macarons and Timber Rings

The Technology Clinic Center at the Institute of Research and Development, Rajamangala University of Technology Phra Nakhon (RMUTP), organized the 4th Technology Consultation and Information Service Project. This event featured lectures and hands-on training on macaron and timber ring production techniques, with honored guest speakers Ms. Intheema Hiranyakorn and Ms. Sasithorn Pomchiangpin, both instructors from the Faculty of Home Economics Technology. The event took place at the Faculty of Home Economics Technology (Chotiwet Campus) on June 14, 2024, and was attended by 20 participants.

Asst. Prof. Dr. Chantana Papattha, Deputy Director of Academic Services and Deputy Director of of Institute of Research and Development, Rajamangala University of Technology Phra Nakhon, stated that the department aims to transfer knowledge and elevate communities, community enterprises, and small and medium -sized enterprises (SMEs). This is achieved by disseminating research, inventions, innovations, and technologies in which the university has expertise through academic services. Each year, the university organizes vocational training for communities and interested members of the public, enabling them to earn supplementary income. Before each training session, the needs of the community and current trends are surveyed to ensure that participants gain new knowledge that can be applied to develop their careers.

Ms. Kittiya Wongkheung, currently the owner of Kittiya Bakery in Nakhon Pathom, shared that she has been running her bakery for over 8 years, offering a wide variety of products. The bakery’s highlight is its fresh, made-to-order young coconut pastries. However, with changing consumer trends that emphasize convenience, delicious flavors, attractive presentation, and healthy ingredients, the competition in the market has increased. To ensure the continuous development of her bakery and to expand the menu to meet customer demands, she is interested in improving her skills. She recently attended training on making macarons and timber rings, which are popular and trending on social media. The training provided her with extensive knowledge and techniques, including how to select ingredients that produce different textures and flavors, and how to choose health-conscious, natural ingredients without synthetic additives or preservatives. Implementing these techniques is expected to help attract new customer bases.



Additionally, The Technology Clinic Center at the Institute of Research and Development, Rajamangala University of Technology Phra Nakhon (RMUTP), offers technology consulting services.



Natural Dye from Waste Coconut Shells and Taboon Bark: RMUTP Students Turn Waste into Valuable Local Products for Ban Lom Thuan Community

Fabric dyeing is an ancient Thai craft, traditionally using natural materials derived from plants, animals, and minerals to add vibrant colors to textiles. This eco-friendly dyeing method has been passed down through generations, becoming a cultural heritage and a unique identity for various communities. Although dyeing technology has evolved over time, natural dyeing remains a simple and sustainable technique. This tradition is preserved in Ban Lom Thuan (also known as Khung Lom Thuan), Samut Songkhram Province, a community known for its ecotourism and local crafts. The residents mainly engage in coconut sugar production and fishing. Additionally, the community has established the Ban Rim Klong Homestay Cooperative, offering tourists activities like coconut leaf hat weaving, traditional dessert making, coconut sugar production, and natural dyeing.

Miss Chulamani Thansamut, a fashion design and fashion product management student at Rajamangala University of Technology Phra Nakhon (RMUTP), was inspired by the large amounts of discarded coconut shells from the local sugar industry. She decided to extract natural dyes from these waste materials to dye fabrics, thereby maximizing the use of local natural resources. This initiative also enhances the community's identity. Under the guidance of Ms. Mallika Jongjit, a faculty member in fashion design and fashion product management, Chulamani and her team learned that the community had already started extracting dye from coconut husks for use in textile products such as shoulder bags, handbags, coin purses, keychains, and souvenirs. To support tourism and generate income for the community, the faculty integrated the knowledge of natural dyeing into the creation of products and services, aiming to attract more visitors.

Miss Chulamani explained the dye extraction process using coconut shells. Due to the low absorption properties of the chemical components in coconut shells, Taboon bark was added to the process to achieve a more durable color. Taboon bark, which produces tannin, is traditionally used for fabric dyeing. The bark itself is gray or reddish-brown, and when combined with coconut shells, it produces a deep brown hue on cotton fabrics. The process involves boiling equal parts of coconut shells and Taboon bark for an hour, straining the mixture through cheesecloth, and then boiling the extracted dye for another 30 minutes. Sodium silicate (salt) is added to help the dye adhere better to the fabric. The fabric, tied in various patterns, is submerged in the dye bath and stirred continuously for an hour, followed by additional cooling and stirring for half an hour. Finally, the fabric is rinsed in clean water and dried.



Mr. Parada Paksathong noted that in the first wash, most of the dye from the coconut shell and Taboon bark mixture washes out because the pigments do not initially bond with the fibers. However, subsequent washes show no further color loss, indicating that natural dyes from these materials are effective for fabric dyeing. In addition to teaching community members about dyeing techniques, the group also instructed them on adding value to their products by sewing the dyed fabric into items like dresses, headscarves, and small wallets. These products have become a new source of income for the community, making them a distinct feature of Ban Rim Klong Homestay in Samut Sakhon Province. “Our goal is to take overlooked waste materials and turn them into valuable products, creating jobs and income for the community. We are grateful for the guidance from the ‘Royal Initiatives for the Conservation and Development of Products from Plant Genetics’ project by the Faculty of Home Economics Technology, which helped us solve problems and develop high-quality natural-dyed fabrics for the community,” said Mr. Parada.

Ms. Mallika Jongjit, the project advisor and faculty member, emphasized that the 2024 Royal Initiatives project integrates product development and plant utilization into students’ studies. The project encourages students to research and collect data on medicinal plants, transforming them into consumable or usable products. It also promotes the value and sustainable use of local natural resources. Natural dyeing, which can be self-taught and enriched through experience, preserves local wisdom and can be passed on to future generations. By engaging in hands-on projects, students develop a deep respect for conservation and learn about sustainable production methods.





Home Economics students from RMUTP created dishes and won 3 bronze medals.

Rajamangala University of Technology Phra Nakhon (RMUTP) congratulates Mr. Sirawit Thongpli, a fourth-year student in the Food and Nutrition program, for winning a bronze medal in the Asian Curry Challenge. Mr. Pattaek Khongmun, a fourth-year student in the Food and Nutrition program, also received a bronze medal in the Main Course Challenge, while Ms. Natthaporn Chaimongkol, a second-year student in the Applied Home Economics program, Faculty of Home Economics Technology, won a bronze medal in the Fruits and Vegetable Live Challenge Competition (Individual). These achievements were part of the 10th Thailand Ultimate Chef Challenge (TUCC) or “THAIFEX – Anuga Asia 2024,” organized by the Thailand Chefs Association, held from May 28 to June 1, 2024, at IMPACT Muang Thong Thani. The competition featured over 700 chefs from around the world participating in various categories.

Mr. Sirawit Thongpli, a student in the Food and Nutrition program, shared that this cooking competition provided a valuable platform to showcase his culinary skills and creativity. For the Asian Curry Challenge, participants were required to prepare curries from two different Asian countries. He chose to make Thai curry and Indian curry, each with its unique taste and characteristics. The Thai curry he prepared was based on an

ancient recipe that is now difficult to find, focusing on highlighting the traditional flavors. For the Indian curry, he emphasized the use of distinctive spices, making only slight adjustments to the taste. The preparation for this competition took a considerable amount of time due to the time constraints during the contest and the need for intense concentration. Acquiring various techniques during his studies significantly enhanced his cooking skills. Additionally, he received valuable advice from faculty members in the Food and Nutrition program, Faculty of Home Economics Technology at Rajamangala University of Technology Phra Nakhon, who are experts in Thai cuisine. They provided guidance on flavors and technique adjustments. He is satisfied with the competition results and sees them as motivation to further develop his culinary skills in the future.



Ms. Natthaphorn Chaimongkol stated that the fresh fruit and vegetable carving competition is the most challenging event she has ever participated in, as it is a national-level competition. This required extensive preparation before entering the competition, including designing patterns, practicing carving, and planning the display to showcase the work. The standout feature of the carved patterns lies in their intricate details and the incorporation of new designs, which require dedication, skill, and experience. During the competition, numerous challenges arise, such as limited time and the preservation of fruits and vegetables after carving. Therefore, the knowledge gained in the classroom and the experience shared between senior students significantly enhance their skills.

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13 CLIMATE ACTION



- Executives from RMUTP participated in the international academic conference aimed at advancing Thailand towards a Net-Zero society by reducing greenhouse gas emissions to zero, held in Düsseldorf, Federal Republic of Germany.
- RMUTP Offers Free Training on “Energy Control and Management Systems for Smart Farms or Smart Buildings Using IIoT Technology”
- RMUTP RACING Team won 2nd place for Asia-Pacific Class in Shell Eco-marathon Asia Pacific and Middle East 2024
- RMUTP Collaborates with Ten Innovation Co., Ltd. to Promote Clean Energy
- RMUTP professor has been selected to join NASA in a mission to conduct in-depth research on Thailand’s air quality as part of the ASIA-AQ project. This collaboration aims to identify the sources of PM 2.5 pollution and develop long-term solutions to address the issue.



Executives from RMUTP participated in the international academic conference aimed at advancing Thailand towards a Net-Zero society by reducing greenhouse gas emissions to zero, held in Düsseldorf, Federal Republic of Germany.

Dr. Natworapol Rachsirivatcharabul, President of Rajamangala University of Technology Phra Nakhon (RMUTP), along with Asst. Prof. Dr.Prin Boonkanit, Vice President for Administrative, Research, and Innovation Development, and Dr. Chalakorn Udomraksasakul, Director of the Institute of Research and Development, attended the international conference “The Innovation Towards Thailand’s Net-Zero Society to Carbon Neutrality with the EU” in Düsseldorf, Germany, from 30 April to 7 May 2024. The conference aimed to strengthen Thailand’s human resources and technological development, with the goal of achieving sustainability and global recognition. Interested individuals can apply through the direct admission system, round 1, from now until March 4, 2024

The conference discussions centered around three main topics: 1) Green transition strategies and policies, focusing on strategic actions to reduce greenhouse gas emissions to zero and enhance energy resource security; 2) Financial mechanisms and public-private partnerships, involving ESG (Environment, Social, and Governance) groups to support green economic and financial transformations; and 3) Leading sustainability science, with an emphasis on promoting research and innovation for carbon neutrality, and aligning efforts with EU environmental measures.

During the visit, the RMUTP delegation also toured the Max Planck Institute for Chemical Energy Conversion, exchanging knowledge with academics and researchers from leading institutions in Germany. RMUTP remains committed to fostering a sustainable Net-Zero society in Thailand, applying environmental innovations, and developing human resources with a deep understanding of natural resource conservation. The university aims to create a lasting impact on the transition towards a Net-Zero society by achieving zero greenhouse gas emissions.





สถาบันสหวิทยาการดิจิทัลและหุ่นยนต์

DIRI RMUTP

หลักสูตร
การสร้างระบบควบคุมและจัดการพลังงาน
สำหรับโรงเรือนอัจฉริยะหรืออาคารอัจฉริยะด้วยเทคโนโลยี IIoT

- Introduction to IoT และ IIoT
- เทคโนโลยี M2M (Machine to Machine) และ IIoT (Industrial Internet of Things)
- การใช้งาน Modbus Protocol สำหรับติดต่อสื่อสารกับเครื่องมือวัด
- การอ่านค่าจากหน่วยความจำ และ ตัวแปรสำหรับ PLC
- การออกแบบระบบแสดงผลหน้าจอบนอุปกรณ์แสดงผล HMI
- การแสดงผลข้อมูลจากเครื่องมือวัดด้วย Web browser และ Mobile application
- การสร้างระบบควบคุมและสั่งงานผ่านระยะไกล
- เทคโนโลยีของการสื่อสารด้วย MQTT (Message Queuing Telemetry Transport) Protocol
- การติดตั้ง MQTT Broker/Server
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- เพื่อพัฒนาความรู้ด้านการสร้างระบบควบคุมและจัดการพลังงานด้วยระบบ IIoT
- เพื่อประยุกต์ระบบควบคุมและจัดการพลังงานสำหรับโรงเรือนอัจฉริยะหรืออาคารอัจฉริยะ

คุณสมบัติผู้สมัคร

ควรมีพื้นฐานความรู้เกี่ยวกับ PLC และคอมพิวเตอร์เบื้องต้น

วันที่จัดอบรม 19 - 20 มิถุนายน 2567

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DIRI RMUTP



RMUTP Offers Free Training on “Energy Control and Management Systems for Smart Farms or Smart Buildings Using IIoT Technology”

The Digital Interdisciplinary and Robotics Institute at Rajamangala University of Technology Phra Nakhon is offering a free training course on smart agricultural technology for urban society. The course, titled “Energy Control and Management Systems for Smart Farms or Smart Buildings Using IIoT Technology,” aims to develop knowledge in creating control systems and applying energy management for smart farms or smart buildings using IIoT systems. The training will be conducted by experts from E-Power Service Co., Ltd.

The course covers topics such as: Introduction to IoT and IIoT, M2M (Machine to Machine), Technology and IoT (Internet of Things), Using Modbus Protocol for communication with measuring instruments, reading data from memory and variables for PLCs, Designing display systems on HMI devices, Displaying data from measuring instruments using web browsers and mobile applications, Creating remote control and operation systems

The training will be held from June 19-20, 2024, from 8:30 AM to 4:30 PM at The Digital Interdisciplinary and Robotics Institute, Rajamangala University of Technology Phra Nakhon, North Bangkok Campus. Participants are expected to have a basic understanding of PLCs and basic computer skills.





RMUTP RACING Team won 2nd place for Asia-Pacific Class in Shell Eco-marathon Asia Pacific and Middle East 2024

Congratulations to RMUTP Racing Team comprising of students from Faculty of Industrial Education, Rajamangala University of Technology Phra Nakhon (RMUTP); Mr. Techarit Yothinratanakun (Driver), Mr. Pornpipat Sinthaweeakat (Team manager), Mr. Nopporn Khongniam (Mechanic 1), and Mr. Siriwit Jaranelarp (Mechanic 2), won the 2nd place in the Prototype Category with an internal combustion engine (ICE) vehicle by using ethanol fuel with the result of 892.5 km/l which climbing from the 4th place of the last year. This competition was prepared and trained by Acting Lt. Nattakit Ritthong, lecturer of Mechanical and Pol. Capt. Wuttichai Morjai to be lecturer consultant. This year's event took place from July 2-6, 2024, at the Mandalika International Circuit in Lombok, West Nusa Tenggara Province, Indonesia with a total of 80 teams from 12 countries joining in this competition.

Pol. Capt. Wuttichai Morjai, lecturer consultant of the team said that this year we have developed our engine system, car transmission system, and brake system by electrical tuning and the Engine Control Unit (ECU) which is the key to this competition. Our students have to join in the hard training program for 1 – 2 months before joining in the competition day.





RMUTP Collaborates with Ten Innovation Co., Ltd. to Promote Clean Energy

On July 9, 2024, Rajamangala University of Technology Phra Nakhon signed a memorandum of understanding (MOU) with Ten Innovation Co., Ltd., at Rapheephat conference room, 3rd Floor, Rapeepatthanasak Building, Rajamangala University of Technology Phra Nakhon, Thewet campus.

The MOU was signed by Dr. Natworapol Rachsiriwatcharabul, President of RMUTP, and Mr. Theerawat Sutham, CEO of Ten Innovation Co., Ltd.

The objectives are to coordinate academic cooperation, promote and enhance teaching and training capabilities, and develop professional skills and other related activities in the electrical industry, such as joint research and development to foster technology and innovation. Additionally, the collaboration aims to enhance Thailand’s energy security potential, including related businesses and supply chains, as well as to advocate for both Thai and foreign entrepreneurs to adopt clean energy developed by Thai expertise. This initiative is intended to promote trade, economy, and society by building capabilities and competitive advantages for Thailand’s public and private organizations to advance with sustainable clean energy security.





RMUTP professor has been selected to join NASA in a mission to conduct in-depth research on Thailand’s air quality as part of the ASIA-AQ project. This collaboration aims to identify the sources of PM 2.5 pollution and develop long-term solutions to address the issue.

Asst.Prof.Dr.Woranuch Deelaman, a faculty member of the Faculty of Science and Technology at Rajamangala University of Technology Phra Nakhon, has been selected to join a NASA mission for an in-depth study of air quality in Thailand as part of the Airborne and Satellite Investigation of Asian Air Quality (ASIA-AQ) project. This mission, conducted in collaboration with the National Astronomical Research Institute of Thailand and the Geo-Informatics and Space Technology Development Agency, took place from March 16 to 25, 2024.

The research involved flying with a McDonnell Douglas DC-8 aircraft to study chemical compositions in the atmosphere from central to northern Thailand, with four flights conducted over the region from U-Tapao Airport in Rayong to Chiang Mai Airport. Additionally, the Gulfstream III aircraft from Langley Research Center (G-III) surveyed air quality remotely over Bangkok using LiDAR equipment to measure ozone concentration and PM 2.5 dust levels. The project also mapped greenhouse gas emissions broadly over Bangkok and its surrounding areas with a total of five flights. The data collected is real-time and focuses on the planetary boundary layer (PBL) above Thailand’s atmosphere.

Asst.Prof.Dr.Woranuch Deelaman remarked, “This is a valuable opportunity to collaborate with NASA researchers. The results will enhance the understanding of Thai air quality issues and provide deep insights into the root causes of PM 2.5 and air pollution in Thailand, which is crucial for developing sustainable solutions.”

She further explained that the most important outcome of the project is that NASA will release the data for public use, setting a standard in the scientific community. This data will help atmospheric scientists better understand Thai dust problems and analyze atmospheric components to address issues accurately. This includes examining greenhouse gases, human-made pollution, aerosol reflectance, and direct in-situ air samples. Such data will reveal the sources of pollution and aid researchers globally in enhancing their studies.

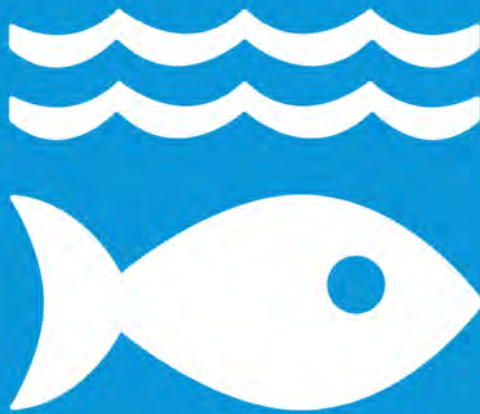
Asst.Prof.Dr.Woranuch Deelaman emphasized that this research could confirm many hypotheses about air pollution origins and potentially uncover unexpected discoveries. “This is a promising start for a systematic understanding of dust issues in Thailand. I will use the collected data to investigate pollution sources and assess health risks for the public,” she concluded.

SDG REPORT

Rajamangala University of Technology

Phra Nakhon 2024

14 LIFE
BELOW WATER



- Environmental Science and Technology Program, Faculty of Science, RMUTP, Organizes Field Trip and Training Project to Enhance Environmental Work Skills for Students and Faculty for the 2024 Academic Year in Chonburi Province.



Environmental Science and Technology Program, Faculty of Science, RMUTP, Organizes Field Trip and Training Project to Enhance Environmental Work Skills for Students and Faculty for the 2024 Academic Year in Chonburi Province.

The Environmental Science and Technology Program, under the Faculty of Science and Technology at Rajamangala University of Technology Phra Nakhon (RMUTP), organized the "Field Trip and Training Project to Enhance Environmental Work Skills for Students and Faculty for the 2024 Academic Year." The event was held from December 7-8, 2023. The study tour visited several locations, including:

- The Environmental and Pollution Control Office 13 (Chonburi).
- The Thai Island and Sea Natural History Museum, Royal Thai Navy, in Sattahip District, Chonburi.
- The Sea Turtle Conservation Center, Royal Thai Navy, in Sattahip District, Chonburi.
- Koh Kham Undersea Park in Sattahip District, Chonburi.

Led by Dr. Khanawut Inkaew, the project's responsible faculty member, along with other program lecturers and staff, the students participated in the field trip with the following objectives:

- To provide students and faculty with practical skills and work experience through field activities.
- To promote personality development for effective teamwork.
- To build good relationships among participants.
- To provide career guidance to students.



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Rajamangala University of Technology

Phra Nakhon **2024**

15 LIFE ON LAND



- RMUTP Sets Goal to Use 100% Cage-Free Eggs Across All Campuses by 2028
- Participatory Weir Construction for Forest Restoration Project in the Ban Plai Dinso Area
- RMUTP Partners with 2 Agencies to Support Innovation and Safe Agriculture.



RMUTP Sets Goal to Use 100% Cage-Free Eggs Across All Campuses by 2028

Rajamangala University of Technology Phra Nakhon Sets Goal to Use 100% Cage-Free Eggs Across All Campuses by 2028

Rajamangala University of Technology Phra Nakhon (RMUTP), a leading institution in technology and engineering, has announced its commitment to sourcing 100% cage-free eggs across all its campuses by 2028. This initiative is part of a Memorandum of Understanding (MOU) signed in collaboration with Lever Foundation, a global non-governmental organization (NGO) dedicated to public welfare. The signing ceremony took place on October 28, 2024, marking a significant step for RMUTP in promoting ethical and sustainable food standards while enhancing its reputation as a socially and environmentally responsible institution.

Lever Foundation operates across Asia, Europe, North America, and South America, working with leading companies to improve protein sourcing processes. Their mission is to create a more humane, safe, and sustainable supply chain by promoting the sourcing of ethically raised animal proteins and alternative proteins that meet international standards.

Under this MOU, Lever Foundation will provide consultation and training to RMUTP, supporting the university in transitioning to 100% cage-free eggs across its four campuses, which serve over 12,000 students and nearly 500 staff members. RMUTP aims to use this collaboration to raise awareness and educate stakeholders in various sectors about the benefits and best practices of cage-free egg production.

Dr. Natworapol Rachsiriracharabul, President of Rajamangala University of Technology Phra Nakhon, emphasized the university's commitment to enhancing sustainability standards, stating:

"By 2028, all eggs used in university cafeterias across all campuses, including both shell eggs and liquid eggs, will be 100% cage-free. This policy reflects the university's dedication to promoting animal welfare and responding to the growing demand from students and staff for more ethical food products."

Nick Cooney, Founder of Lever Foundation, praised RMUTP's leadership, saying: "Rajamangala University of Technology Phra Nakhon's commitment to advancing animal welfare and sustainability in the education sector is truly commendable. Their leadership sets a strong example that will encourage other institutions in the region to follow suit."

The production of 100% cage-free eggs involves raising hens in open indoor environments, allowing them to move freely. This practice significantly enhances animal welfare and reduces food safety risks compared to conventional caged systems.

Research conducted by the European Food Safety Authority (EFSA) indicates that cage-free egg farms have a 25 times lower risk of Salmonella contamination than caged systems. EFSA has also officially recommended the adoption of cage-free egg production as the standard.

Additionally, current consumer trends reflect a growing shift towards reducing egg consumption in support of improved welfare for laying hens.



Participatory Weir Construction for Forest Restoration Project in the Ban Plai Dinso Area

The Phra Nakhon Commercial Rural Development Volunteer Camp from the Faculty of Business Administration at Rajamangala University of Technology Phra Nakhon (RMUTP) conducted a social CSR activity: the "Participatory Weir Construction for Forest Restoration Project." The event took place in the Ban Plai Dinso area, Mae Krabung Sub-district, Si Sawat District, Kanchanaburi Province, from June 20-22, 2024.

This project was a collaboration between the Phra Nakhon Commercial Rural Development Volunteer Camp of RMUTP's Faculty of Business Administration, the Phra Nakhon Commercial Alumni Association, and the Electricity Generating Authority of Thailand (EGAT).

The activity was organized to provide students and participants with an opportunity to contribute to society in line with social responsibility, build unity, and learn to work effectively with others. The project included several sub-activities:

- "Sharing Kindness": Providing lunch and ice cream for the students at Ban Ton Maphrao School.
- "Joining Forces for Sustainable Waterways": A collaborative effort to build a weir.
- Tree Planting Activity: Reforestation in the vicinity of the Srinagarind Dam (EGAT) in Kanchanaburi Province.





RMUTP Partners with 2 Agencies to Support Innovation and Safe Agriculture.

Dr. Natworapol Rachsiriwatcharabul, President, stated that Rajamangala University of Technology Phra Nakhon (RMUTP) is currently focused on elevating its education to support a modern urban society and accommodate the expansion of urbanization. This is being achieved through development in four key areas:

1. Food Innovation
2. Sustainable Smart Innovation: Developing robotics and automation for smart city management.
3. ICT: Increasing income by developing technology and promoting innovation to upgrade entrepreneurs.
4. Innovation for Aging Society: Developing innovation to support the aging population.

The signing of this cooperation with our partner agencies will help drive these policies by promoting and developing teaching, training, and both professional and academic skills. A key component of this is conducting research on Effective Microorganism (EM) water products for safety, where RMUTP's Faculty of Science and Technology will perform laboratory analysis of the water.

Furthermore, the collaboration will jointly develop Thailand's potential for security in safe agriculture. This will be achieved through activities that promote improvements in the production and processing of goods and services, from raw materials to the end customer. We will also work together to campaign for both Thai and foreign entrepreneurs to turn their attention to the origins of safe agricultural production methods developed by Thais, thereby promoting trade, the economy, and society. This will create a future competitive advantage for both public and private sector organizations in Thailand. Additionally, we will jointly research and develop to promote technology and innovation in the integrated agricultural industry, further enhancing the potential and security of Thailand's agriculture.



SDG REPORT

Rajamangala University of Technology

Phra Nakhon 2024

16 PEACE, JUSTICE AND STRONG INSTITUTIONS



- RMUTP Collaborates to Build a Transparent Organization
- RMUTP The Sole Rajamangala University to Receive the 2024 “Outstanding Educational Institution for Promoting Good Governance” Award
- RMUTP Nakhon participated in the oath-taking ceremony and signing of well-wishes for His Majesty the King on the auspicious occasion of His Majesty’s 72nd birthday anniversary on July 28, 2024.
- RMUTP participated in a meeting with the First Army Area and a network of seven higher education institutions to discuss and monitor the progress of organizing a group from these institutions to attend and welcome the royal visit.



RMUTP Collaborates to Build a Transparent Organization

RMUTP Declares “No Gift Policy” to Promote Transparency and Integrity

On December 26, 2024, Dr. Natworapol Rachsirawat, President of Rajamangala University of Technology Phra Nakhon (RMUTP), along with executives and staff, formally announced the university’s No Gift Policy during a meeting held at Rapheephat conference room, 3rd Floor, Rapeepatthanasak Building, Rajamangala University of Technology Phra Nakhon, Thewet campus.

Commitment to Transparency and Integrity

In his statement, Dr. Natworapol emphasized RMUTP’s firm commitment to addressing issues of morality and transparency within the university’s operations. This initiative aims to enhance administrative processes and foster a culture of openness, allowing the public to scrutinize and hold the institution accountable. Furthermore, the policy seeks to strengthen ethical values, integrity, and moral principles in the university’s teaching and learning environment.

Key Points of the No Gift Policy

- Academic and support staff are prohibited from giving or receiving gifts or gratuities of any kind related to their official duties, including interactions with external personnel.
- Staff members must not solicit or accept gifts, benefits, or other forms of unlawful compensation.
- Instead of gifts, staff members are encouraged to express well-wishes through signed greeting cards or digital messages via social media platforms

Cultural and Ethical Impact

This initiative is expected to cultivate a culture of honesty and ethical behavior within RMUTP, setting an example for other institutions. By actively promoting integrity and transparency, RMUTP is taking a significant step toward fostering trust, fairness, and accountability in higher education.

Dr. Natworapol reiterated RMUTP’s dedication to upholding its principles and values, ensuring that the university operates with the highest ethical standards while inspiring others in the academic community to follow suit.





RMUTP: The Sole Rajamangala University to Receive the 2024 “Outstanding Educational Institution for Promoting Good Governance” Award

Dr.Natworapol RachsiriwatcharabulReceives “Outstanding Educational Institution for Promoting Good Governance” Award at the ANTI-CORRUPTION AWARDS 2024

On December 13, 2024, Dr.Natworapol Rachsiriwatcharabul, President of Rajamangala University of Technology Phra Nakhon (RMUTP), was honored with the “Outstanding Educational Institution for Promoting Good Governance” award at the ANTI-CORRUPTION AWARDS 2024, hosted by the Anti-Corruption Journalists Association of Thailand. The award ceremony, held at the Multipurpose Building of the National Defence Studies Institute on Vibhavadi Road, Bangkok, was presided over by Chuan Leekpai, former Prime Minister and former Speaker of the House of Representatives, who delivered a keynote speech titled “Honesty in the Hearts of the Younger Generation”.

Purpose of the ANTI-CORRUPTION AWARDS 2024 The event recognized organizations, institutions, individuals, and media outlets that have demonstrated transparency, integrity, and a strong commitment to anti-corruption efforts. It aims to honor institutions that adhere to principles of good governance and manage their operations with transparency.

Awards were presented in four categories:

1. Individuals
2. Organizations/Agencies
3. Media Outlets
4. Educational Institutions

RMUTP’s Commitment to Good Governance

- Tree Planting Activity: Reforestation in the vicinity of the Srinagarind Dam (EGAT) in Kanchanaburi Province.





RMUTP Nakhon participated in the oath-taking ceremony and signing of well-wishes for His Majesty the King on the auspicious occasion of His Majesty's 72nd birthday anniversary on July 28, 2024.

On July 28, 2024, at 7:45 a.m., Rajamangala University of Technology Phra Nakhon participated in the oath-taking ceremony to be good civil servants and the strength of the nation on the auspicious occasion of His Majesty's 72nd birthday anniversary. Dr. Khomkhate Pedcharat, Assistant to the President for Human Resource Management, led university administrators, faculty, and staff in attending the ceremony. The oath-taking ceremony was presided over by Prime Minister Srettha Thavisin. The event was attended by members of the Cabinet, political officials, high-ranking officials from all government agencies, including civil servants, military, police, state universities, state enterprises, and the public sector.

Meanwhile, civil servants from central and regional offices participated in the oath-taking ceremony through a live broadcast on the National Broadcasting Services of Thailand, with nationwide coordination. At 9:00 a.m., the executives, staff, the President of the Rajamangala University of Technology Phra Nakhon Alumni Association, the President of the Chotiwet Alumni Association, and the President of the North Bangkok Technical School Alumni Association presented a flower vase in front of the portrait of His Majesty the King and signed a book of well-wishes on the auspicious occasion of His Majesty's 6th cycle birthday anniversary on July 28, 2024, at the Sala Sahathai Samakhom in Bangkok's Grand Palace, Bangkok.





RMUTP participated in a meeting with the First Army Area and a network of seven higher education institutions to discuss and monitor the progress of organizing a group from these institutions to attend and welcome the royal visit.

Assistant Professor Sattha Khaengpenkhae, Assistant to the President for Student Affairs, along with Ms. Mallika Veerasai Director of Student Development Division, and Mr. Theerapol Chomchuen, Head of Student Activities at Rajamangala University of Technology Phra Nakhon, participated in a meeting with the First Army Area and a network of higher education institutions. The meeting was chaired by Lieutenant General Chitsanupong Rodsiri, Commander of the First Army Area, at the First Army Area Headquarters in Dusit District on July 18, 2024.

The purpose of the meeting was to prepare for the assembly of higher education institutions to attend and welcome Their Majesties the King and Queen on the auspicious occasion of His Majesty the King's 72nd birthday anniversary on July 28, 2024. Rajamangala University of Technology Phra Nakhon will lead students and staff from nine faculties, totaling 320 people, to attend the royal event and participate in the candle-lighting ceremony to honor His Majesty the King on this special occasion.



SDG REPORT

Rajamangala University of Technology

Phra Nakhon 2024

17 PARTNERSHIPS FOR THE GOALS



- RMUTP Executives Visit the Kingdom of Bhutan to Discuss Educational Collaboration
- RMUTP Partners with the Network of Sustainable Universities of Thailand and the United Nations to Drive Sustainable Development Goals (SDGs)
- RMUTP and Kasetsart University Discuss Collaborative Approaches to Research and Technology Development
- RMUTP The Sole Rajamangala University to Receive the 2024 “Outstanding Educational Institution for Promoting Good Governance” Award



RMUTP Executives Visit the Kingdom of Bhutan to Discuss Educational Collaboration

Dr.Natworapol Rachsirivatcharabul, President of Rajamangala University of Technology Phra Nakhon, and Asst. Prof. Dr.Prin Boonkanit, Vice President for Research and Innovation Development, Visit Bhutan to Strengthen Educational Collaboration

Dr.Natworapol Rachsirivatcharabul, President of Rajamangala University of Technology Phra Nakhon, along with Asst. Prof. Dr.Prin Boonkanit, Vice President for Research and Innovation Development, visited the Kingdom of Bhutan from November 10 to 13, 2024, at the invitation of His Excellency Mr. Kin-zang Dorji, Ambassador of Bhutan to Thailand. The purpose of the visit was to discuss educational collaboration and strengthen ties between the institutions.

During the visit, the delegation met with representatives from the Royal Secretariat of His Majesty King Jigme Khesar Namgyel Wangchuck, as well as senior officials from The Royal University of Bhutan and Paro Norbuling Rigter College.

The primary objective of this visit was to explore opportunities for scholarship support, foster educational partnerships, and enhance the long-standing relationship between RMUTP and educational institutions in Bhutan. This initiative underscores RMUTP’s commitment to building robust international collaborations and supporting educational advancement.





RMUTP Partners with the Network of Sustainable Universities of Thailand and the United Nations to Drive Sustainable Development Goals (SDGs)

Rajamangala University of Technology Phra Nakhon (RMUTP) Joins 58 Universities Nationwide to Sign a Declaration of Intent for Sustainable Development with the Network of Sustainable Universities of Thailand and the United Nations in Thailand

RMUTP, along with 58 universities across Thailand, signed a Declaration of Intent for Sustainable Development with the Network of Sustainable Universities of Thailand and the United Nations in Thailand. This initiative aims to drive institutions toward achieving the Sustainable Development Goals (SDGs) under the framework of the United Nations, aligning with Thailand’s aspiration to become a high-income, inclusive, sustainable, resilient, and progressive country. The goals are in accordance with the 20-Year National Strategy, the 13th National Economic and Social Development Plan, and the Bio-Circular-Green (BCG) Economy Model.

Dr.Sorasutee Buapool, Assistant to the President for Research and Innovation Development at RMUTP, represented the university at the signing ceremony, along with prominent figures such as Prof. Dr.Pongrak Sri Bangon, Chair of the Council of University Presidents of Thailand; Asst. Prof. Dr.Kritchai Sribunma, Chair of the Network of Sustainable Universities of Thailand; and Michaela Friberg-Storey, UN Resident Coordinator in Thailand.

The event was held at the United Nations Conference Center, Ratchadamnoen Nok Road, Bangkok, on November 13, 2024.

Dr.Sorasutee emphasized the critical role of educational institutions in youth development by imparting knowledge through education and research processes. This effort results in producing quality graduates who serve as key drivers of development at local, national, and global levels. Signing this declaration with the United Nations in Thailand marks a significant step in fostering education for sustainable development at a national level.

The initiative focuses on enhancing the capabilities of administrators, faculty members, students, parents, and communities to engage in activities that support the achievement of SDGs. Sustainability principles will be integrated into university curricula, teaching methodologies, and assessment strategies. Additionally, the program aims to develop skills, competencies, values, and behaviors in students that align with sustainable practices.

The signing event seeks to establish a collaborative network among universities across Thailand, promoting sustainable development in partnership with the Network of Sustainable Universities of Thailand and the United Nations in Thailand.



RMUTP and Kasetsart University Discuss Collaborative Approaches to Research and Technology Development

Dr.Chalakorn Udomraksasakul, Director of Institute of Research and Development at Rajamangala University of Technology Phra Nakhon, Discusses Integration of Deep Tech and Appropriate Tech with Kasetsart University

On November 18, 2024, Dr.Chalakorn Udomraksasakul, Director of Institute of Research and Development at Rajamangala University of Technology Phra Nakhon, met with Assoc. Prof. Dr.Khrasorn Srikul, Assistant to the President for Research and International Affairs at Kasetsart University, to discuss strategies for integrating advanced technology (Deep Tech) and appropriate technology (Appropriate Tech). The meeting aimed to align research efforts with societal and industrial needs and was held at the International Affairs Division Conference Room, 10th Floor, 50th Anniversary Information Building, Kasetsart University.

Key Objectives:

The discussion focused on enhancing research collaboration with a shared goal of strengthening research and innovation to drive sustainable national development. Key topics included:

- 1.Establishing researcher networks to foster collaboration.
- 2.Developing research agendas with a focus on creating positive societal impacts.
- 3.Expanding collaboration to access funding sources and establishing a joint Seeding Fund between the two institutions.
- 4.Facilitating student exchanges for research training.
- 5.Organizing an annual Bilateral Symposium to promote knowledge exchange between the universities.

This collaboration seeks to advance research excellence and innovation, contributing to sustainable development and addressing emerging challenges in society and industry. RMUTP’s commitment to building robust international collaborations and supporting educational advancement.





RMUTP: The Sole Rajamangala University to Receive the 2024 “Outstanding Educational Institution for Promoting Good Governance” Award

Dr.Natworapol RachsiriwatcharabulReceives “Outstanding Educational Institution for Promoting Good Governance” Award at the ANTI-CORRUPTION AWARDS 2024

On December 13, 2024, Dr.Natworapol Rachsiriwatcharabul, President of Rajamangala University of Technology Phra Nakhon (RMUTP), was honored with the “Outstanding Educational Institution for Promoting Good Governance” award at the ANTI-CORRUPTION AWARDS 2024, hosted by the Anti-Corruption Journalists Association of Thailand. The award ceremony, held at the Multipurpose Building of the National Defence Studies Institute on Vibhavadi Road, Bangkok, was presided over by Chuan Leekpai, former Prime Minister and former Speaker of the House of Representatives, who delivered a keynote speech titled “Honesty in the Hearts of the Younger Generation”. Purpose of the ANTI-CORRUPTION AWARDS 2024 The event recognized organizations, institutions, individuals, and media outlets that have demonstrated transparency, integrity, and a strong commitment to anti-corruption efforts. It aims to honor institutions that adhere to principles of good governance and manage their operations with transparency.

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RMUTP’s Commitment to Good Governance

- Tree Planting Activity: Reforestation in the vicinity of the Srinagarind Dam (EGAT) in Kanchanaburi Province.





REPORT 2024

Rajamangala University of Technology

PHRA NAKHON

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