



RMUTP

SDG



Report 2023



Rajamangala University of Technology



THE GLOBAL GOALS
For Sustainable Development

2023



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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 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



RMUTP HISTORY

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, 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

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

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

Digital Economy/ E-commerce/ ICT : We produce an ICT-qualified workforce and innovative entrepreneurship enhancement to boost Thailand's economic growth.

Innovation for Aging Society

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.



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 Rachsirivatcharabul
President of RMUTP

SDG REPORT

Rajamangala University of Technology
Phra Nakhon 2023

1



NO
POVERTY

- RMUTP Allocates 2.5M Baht for Youth, 2023 Admissions Open
- RMUTP Receives Scholarship from Asahi-Thai for WIL Program





RMUTP Approves Over 2.5 Million Baht in Funding to Create Opportunities for Youth, Final Call for 2023 Admissions Now Open

Dr. Natworapol Rachsirivatcharabul, President of Rajamangala University of Technology Phra Nakhon (RMUTP), stated that education is a crucial tool for developing human potential, leading to competitiveness on the international stage. RMUTP is committed to promoting both academic and professional skills by providing modern education that integrates technology as the foundation of teaching. The university is also dedicated to promoting educational equity and reducing disparities by offering scholarships to students. In May, the RMUTP Student Development Fund Committee approved over 2.5 million baht from the 2023 fund to award scholarships to students from all years of study. These scholarships were divided into four categories: the RMUTP Scholarship, awarded to 13 second-year bachelor's degree students for free tuition throughout their studies; Academic Excellence Scholarships, awarded to 40 students with the highest GPA in each year; Outstanding Activity Scholarships for 10 student leaders in the student council or student organization; and Financial Aid Scholarships for 80 students from all years of study, totaling 143 scholarships.

Additionally, the university recognizes the importance of fostering students' moral development alongside their academic learning, guiding them toward becoming "practical graduates" who are eager to learn, hardworking, technologically proficient, and ethical—qualities that reflect the university's identity. The university encourages students to gain real-world experience, such as participating in community projects to apply their knowledge in developing community products, while collaborating with government and private sector organizations to allow students to fully showcase their potential.



Dr. Natworapol further stated that for the 2023 academic year, RMUTP is accepting applications for the third round of direct admission for bachelor's degree programs. This round is open to 1,275 applicants who have completed the Certificate in Vocational Education (Por Wor Chor) or Diploma/ Higher Certificate in Vocational Education (Paw Waw Saw). The faculties accepting applicants include: Faculty of Industrial Education (174 students), Faculty of Home Economics Technology (80 students), Faculty of Mass Communication Technology (35 students), Faculty of Business Administration (470 students), Faculty of Science and Technology (65 students), Faculty of Engineering (211 students), Faculty of Liberal Arts (140 students), Faculty of Industrial Textiles and Fashion Design (60 students), Faculty of Architecture and Design (30 students), and Institute of Gemology Thai Jewelry and Design (10 students). Additionally, the university is accepting applications through the Thai University Central Admission System (TCAS) for the fourth round of Direct Admission, with applications open from now until June 7, 2023.



NO POVERTY



RMUTP Receives a Scholarship from Asahi-Thai Alloy Co., Ltd, to Support Workforce Development in WIL Program

Rajamangala University of Technology Phra Nakhon (RMUTP) received a scholarship of 5.4 million baht from Asahi-Thai Alloy Co., Ltd.. The scholarship was presented to Asst. Prof. Dr. Korn Puangnak, Vice President for Digital Development and Finance, by Mr. Pongsak Jindasuk, Managing Director of Asahi-Thai Alloy Co., Ltd.. The scholarship is part of a new graduate production initiative aligned with the Ministry of Higher Education, Science, Research, and Innovation’s policies. The program will be implemented under the Industrial Science Bachelor’s Degree in Engineering and Technology for Sustainability at RMUTP’s Faculty of Engineering.

The project focuses on the “3Ls Learn to Earn @ Workplace” workforce development plan, part of the Work-Integrated Learning (WIL) framework, integrating technology innovation and work-based learning to enhance equality in education and produce industry-ready graduates. Asst. Prof. Saharat Wongsisa, Head of Sustainable Innovation Engineering Technology, alongside university executives and faculty members, welcomed the company’s representatives at the Institute of Digital Interdisciplinary Studies and Robotics, Faculty of Engineering, at RMUTP’s North Bangkok Campus on November 1, 2023. During the visit, The delegation had the opportunity to visit innovations in robotics and artificial intelligence at the Industrial Robotics and Virtual Welding Laboratory, the Collaborative Robotics and Artificial Intelligence (Cobot) Laboratory, the Robot Operating System (ROS) Laboratory, and others, at Digital Interdisciplinary and Robotics Institute.



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Rajamangala University of Technology
Phra Nakhon 2023



ZERO
HUNGER

- Chotiwet Faculty Lectures at "Young Innovators" Project, Rayong
- Chotiwet Faculty Shows Rice Dishes at Central Rama 3
- Chotiwet and Ministry Host Workshop for Community Entrepreneurs





ZERO HUNGER



Faculty members from the Department of Home Economics Chotiwet served as lecturers for the “Young Innovators Creating Careers” project at Wang Chan Wittaya School, Klaeng District, Rayong Province



The Faculty of Home Economics Technology at Rajamangala University of Technology Phra Nakhon, led by Asst. Prof. Dr. Sansanee Thimthong from the Department of Food Service Industry and Assistant Professor Dr. Supuksorn Masavang from the Department of Food Technology, were invited by Wangchanwittaya School to be guest speakers for a workshop on the “Young Innovators Creating Careers” project. The workshop covered mango processing courses such as mango puree, mango gummies, mango jam, and mango yogurt. The aim was to equip students with work skills through a step-by-step thinking process, encouraging them to become young innovators based on their aptitudes and interests. This event took place on June 7, 2023, at Wangchanwittaya School, Klaeng District, Rayong Province.



ZERO HUNGER



Faculty of Home Economics Technology (Chotiwet Campus) demonstrated rice dishes at the 'Do You Know How to Eat Rice?' event held at Central Rama 3.



The Faculty of Home Economics Technology at RMUTP was invited by D Me Suk (Mai) Co., Ltd., a social enterprise, to conduct a demonstration of rice-based dishes. These included riceberry with turmeric grilled chicken salad, Sangyod rice with out-of-the-pot curry, and jasmine rice from volcanic soil with stir-fried herbs at the "Do You Know How to Eat Rice?" event. The event showcased Thai rice dishes and community products from farmers on November 11, 2023, at the D Me Suk (Mai) Co., Ltd. booth at Central Rama 3. Asst. Prof. Supannika Kosum and Asst. Prof. Nantawan Chomchom, lecturers from the Department of Food and Nutrition, along with students from the same department, participated in this demonstration.

Faculty of Home Economics Technology (Chotiwet Campus) in Collaboration with the Ministry of Higher Education, Science, Research, and Innovation Organizes a Training Workshop for the Project "Enhancing Business Skills for Community Product Entrepreneurs Using Science, Technology, and Innovation"

The Faculty of Home Economics Technology (Chotiwet Campus) at RMUTP, in collaboration with the Ministry of Higher Education, Science, Research, and Innovation, organized a training workshop for the "Enhancing Business Skills for Community Product Entrepreneurs Using Science, Technology, and Innovation" project. This initiative is part of the community product development project for the fiscal year 2023 (National Science and Technology Fair 2023) and included creative DIY activities from August 11-15, 2023, at the IMPACT Exhibition and Convention Center, Muang Thong Thani, Hall 12.



The Program in Foods and Nutrition, conducted workshops on courses including Korean mixed sandwich, smoothie bowl, salad rolls served with tofu dressing for health, and Siamese pomegranate punch. The workshops were led by lecturers Sutida Kitchaworasatien and Vorathorn Pomyen from the Department of Food and Nutrition on August 11, 2023.



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Rajamangala University of Technology
Phra Nakhon 2023



GOOD HEALTH
AND WELL-BEING

- RMUTP Offers Flu Vaccinations for Staff
- RMUTP Hosts "Phranakhon Fun & Run 2023"
- RMUTP Friendship Games 2023 Closing Ceremony



GOOD HEALTH AND WELL-BEING

3 GOOD HEALTH AND WELL-BEING



RMUTP provides a flu vaccination service against four strains of the influenza virus for its personnel.

On January 27, 2023, the Personnel Administration Division of Rajamangala University of Technology Phra Nakhon (RMUTP) organized a flu vaccination service against four strains of influenza, in collaboration with doctors from Vichaivej International Hospital Nong Khaem. A total of 174 RMUTP personnel received the service at the D-Hall auditorium, RMUTP, Thewet Campus.



RMUTP organized the “Phranakhon Fun & Run 2023” event.

Rajamangala University of Technology Phra Nakhon, in collaboration with the RMUTP Alumni Association, organized the “Phranakhon Fun & Run” event, with Dr. Natworapol Rachsirivatcharabul, the university president, presiding over the opening ceremony. The event aimed to encourage staff, students, and the general public to engage in physical exercise. Proceeds from the event, after deducting expenses, were allocated to scholarships, student development activities, the university’s development initiatives, and activities organized by the Alumni Association.

A large number of runners participated in the event, which was divided into two routes: a 5-kilometer and a 3-kilometer route. The running course covered Sam Sen Road, Phitsanulok Road, Si Ayutthaya Road, Sawankhalok Road, and Rama V Road, passing significant landmarks such as Government House, the Monument of Admiral Prince Abhakara Kiartivongse, Prince of Chumphon, the King Bhumibol Adulyadej Memorial Park, Dusit Palace, Wat Benchamabophit Dusitvanaram, and the Metropolitan Police Bureau. The event took place on March 26, 2023, at RMUTP’s Thewet Campus.



4 QUALITY EDUCATION



5 GENDER EQUALITY



6 CLEAN WATER AND SANITATION



7 AFFORDABLE AND CLEAN ENERGY



8 DECENT WORK AND ECONOMIC GROWTH



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



10 REDUCED INEQUALITIES





GOOD HEALTH AND WELL-BEING

4

QUALITY EDUCATION



5

GENDER EQUALITY



6

CLEAN WATER AND SANITATION



7

AFFORDABLE AND CLEAN ENERGY



8

DECENT WORK AND ECONOMIC GROWTH



9

INDUSTRY, INNOVATION AND INFRASTRUCTURE



10

REDUCED INEQUALITIES



The Closing Ceremony of the Rajamangala University of Technology Phra Nakhon Friendship Games for the Academic Year 2023.

Rajamangala University of Technology Phra Nakhon organized the university's annual sports competition for the 2023 academic year, titled "RMUTP Sports Unity," held from August 21-25, 2023. The competition featured 13 sports, including futsal, football, basketball, volleyball, pátanque, table tennis, crossword puzzles, chess, amateur boxing, tug of war, lawn bowls, athletics, and swimming. The event concluded successfully, with athletes, cheerleaders from all nine faculties, administrators, faculty members, staff, and students attending the closing ceremony at the Phrom Mongkol Hall in the Faculty of Business Administration, Bangkok Commercial Campus. Asst. Prof. Sattha Khaengpenkhae, Assistant to the President for Student Affairs, presided over the closing ceremony, awarding trophies and medals to the athletes.



The Faculty of Business Administration emerged as the top medal winner this year, securing the highest number of gold medals—18 in total—along with 7 silver medals and 6 bronze medals, for a combined total of 31 medals and the overall sports championship trophy. Faculty of Mass Communication Technology came in second with 8 gold medals, while the Faculty of Home Economics Technology took third place with 4 gold medals.



The event aimed to enhance students' skills and experiences while promoting unity, sportsmanship, fair play, and the constructive use of free time, keeping them away from drugs. It also sought to build pride and bring honor to the university, the students, and the nation.

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Rajamangala University of Technology
Phra Nakhon 2023

4



QUALITY
EDUCATION

- RMUTP Training on Automated Production Design with Virtual Simulation
- "Corrosion and Wear Control" Training for Power and Oil & Gas Industries
- RMUTP Hosts Mahidol Wittayanusorn School, Showcasing Innovations for Future Skills





QUALITY EDUCATION



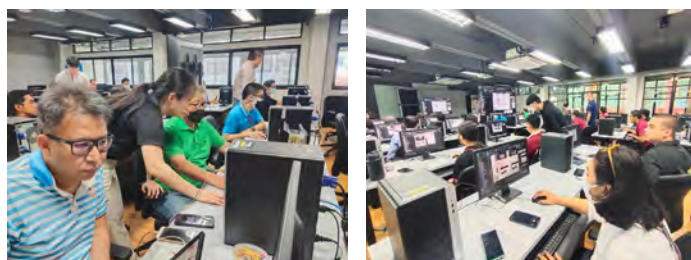
RMUTP Organizes Training on Automated Production Design Using Virtual Simulation Software



The Digital Interdisciplinary and Robotics Institute, Rajamangala University of Technology Phra Nakhon, organized a training course titled “Automated Production Design Using Robots and Virtual Simulation Software. Asst. Prof. Dr.Prin Boonkanit, Vice President for Administrative, Research, and Innovation Development, presided over the opening of the training session, which was conducted online. The objective was to impart knowledge and understanding of the structure and functioning of automated production processes using robots through virtual simulation software and to understand software commands, allowing participants to accurately apply 3D model simulations.



The training was honored by the participation of Mr. Prawit Juntrong - Virtual Manufacturing (Thailand) Co.,Ltd, as a speaker. Topics covered included learning the basic commands of virtual simulation software, fundamental 3D layout design, designing automated production processes in 3D format, simulating the operation of automated machinery in conjunction with industrial robots, and creating automated product arrangement processes using industrial robots. The training was attended by over 100 participants, both onsite and online, from July 6 to 7, 2023, at The Digital Interdisciplinary and Robotics Institute, Rajamangala University of Technology Phra Nakhon, North Bangkok Campus.



Training Program: “Case Studies on Corrosion and Wear Control in Power Plants and Oil & Gas Industries”

Dr.Jirasak Tharajak, Dean of the Faculty of Science and Technology, presided over the opening of the training course titled “Case Studies in Corrosion and Wear Control in Power Plants and the Oil and Gas Industry.” Faculty members and staff from the Department of Industrial Materials Science welcomed the participants. The training took place from February 25 to 27, 2023, at the Faculty of Science and Technology, Rajamangala University of Technology Phra Nakhon. The course content included the following topics:

Basic knowledge of corrosion and wear





Case studies on corrosion and wear in power plants and the oil and gas industry

Processes for preventing, inspecting, and maintaining corrosion and wear in industries, such as Cathodic Protection, NDT, Acoustic Emission, Thermoscan, Ultrasonic Testing, and Borescope.

The training was conducted by a team of experienced speakers:

- Asst. Prof. Dr.Napachat Tareelap, KMUTT
- Asst. Prof. Dr.Tippaban Palathai, KMUTT
- Dr.Noppakun Sanpo, PTTGC
- Mr.Sarun Choomchaiyo,Aurecon
- Dr.Jirasak Tharajak, RMUTP
- Dr.Phumirat Nawarat, RMUTP

This project aimed to develop material innovation for economic and green industrial potential.



RMUTP Welcomes Mahidol Wittayanusorn School, Showcasing Innovations and Technologies to Promote Future Skills

The Digital Interdisciplinary and Robotics Institute at Rajamangala University of Technology Phra Nakhon (RMUTP) opened its doors to students from Mahidol Wittayanusorn School for a study visit. Asst. Prof. Dr.Prin Boonkanit, Vice President for Administrative, Research, and Innovation Development, presided over the welcoming ceremony. The event featured demonstrations of various equipment, such as virtual reality (VR) for welding, human-robot collaboration laboratories (COBOT), reverse engineering, and vehicles equipped with teaching tools for Industry 4.0 systems. The students also learned hands-on skills and direct experiences in technology, robotics innovation, and artificial intelligence (AI) on June 30, 2023, at The Digital Interdisciplinary and Robotics Institute, North Bangkok Campus.

The Digital Interdisciplinary and Robotics Institute is a central unit for promoting new era skills and providing services to external organizations and industries.



5 GENDER EQUALITY



6 CLEAN WATER AND SANITATION



7 AFFORDABLE AND CLEAN ENERGY



8 DECENT WORK AND ECONOMIC GROWTH



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



10 REDUCED INEQUALITIES



11 SUSTAINABLE CITIES AND COMMUNITIES



12 RESPONSIBLE CONSUMPTION AND PRODUCTION



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Rajamangala University of Technology
Phra Nakhon 2023

5



GENDER
EQUALITY

- RMUTP Celebrates Pride Month, Supporting Gender Inclusivity and Creative Freedom
- 2023 Occupational Program for Housewives, Unemployed, and Public



GENDER EQUALITY



RMUTP Celebrates Pride Month



The university embraces students of all genders, promoting freedom of creativity and mutual respect for each other's rights.

Pride Month and the Pride Festival are events held annually in June by the LGBTQ+ community to symbolically express pride and embrace their true identities. This pride often comes at the cost of enduring pain from societal discrimination, violence, and prejudice, leading to pressure and sometimes the need to hide one's true self. The events focus on social movements, vibrant parades, colorful costumes, and artistic activities as a way to express and celebrate the pride that has been achieved.

Successful LGBTQ+ alumni from Rajamangala University of Technology Phra Nakhon share their experiences

These alumni discussed their perspectives on gender diversity and the rights they experienced at the university.



RMUTP has a policy in place as a benefit for all personnel, supporting maternity and paternity leave for new parents. This policy ensures that both men and women have equal and flexible opportunities to care for their newborns. Maternity leave can be taken for up to 90 days, while paternity leave to assist the spouse in child-rearing can be taken for up to 15 working days.



3. ลาคลอดบุตร

- จำนวนตามประเภทของบุคลากร ดังนี้
 - ข้าราชการ ลาได้ 90 วัน
 - พนักงานมหาวิทยาลัย / พนักงานราชการ / ลูกจ้างชั่วคราว ลาได้ 90 วัน (โดย 45 วันได้รับค่าตอบแทนจากมหาวิทยาลัยและอีก 45 วันได้รับค่าตอบแทนจากประกันสังคม)
- ผู้ที่ประสงค์จะลาคลอดบุตรให้จัดส่งใบลาต่อผู้บังคับบัญชาตามลำดับจนถึงผู้มีอำนาจ ก่อนหรือในวันที่ยังสามารถลงชื่อในใบลา จะให้ผู้อื่นลาแทนได้แต่เมื่อสามารถลงชื่อได้แล้วให้เสนอหรือจัดส่งใบลาโดยเร็ว
- หากได้รับอนุญาตให้ลาคลอดและได้หยุดงานไปแล้ว แต่ไม่ได้คลอดบุตรตามกำหนดหากประสงค์จะขอลดวันลาคลอดบุตรที่เหลือไป ให้ผู้มีอำนาจอนุญาตให้ก่อนวันลาได้ โดยถือว่าวันที่ได้หยุดปฏิบัติงานไปแล้วเป็นวันลากิจส่วนตัว

4. ลาไปช่วยภริยาที่คลอดบุตร

- จำนวนตามประเภทของบุคลากร ดังนี้
 - ข้าราชการ / พนักงานมหาวิทยาลัย/พนักงานราชการ ลาได้ 15 วันทำการ
 - ลูกจ้างชั่วคราว ไม่ได้รับสิทธิลาไปช่วยภริยาที่คลอดบุตร
- ให้จัดส่งใบลาต่อผู้บังคับบัญชาตามลำดับจนถึงผู้มีอำนาจ ก่อนหรือในวันที่ยังสามารถลงชื่อในใบลาได้ โดยนับตั้งแต่วันที่คลอดบุตรและให้สามารถลาครั้งหนึ่งติดต่อกันไม่เกิน 15 วันทำการ





GENDER EQUALITY

Occupational Promotion Program for Housewives, the Unemployed, and the Public 2023

The Faculty of Home Economics Technology (Chotiwet Campus) participated as instructors in the occupational promotion project for housewives, the unemployed, and the general public for the year 2023. The Faculty of Home Economics Technology at RMUTP was invited by the Social Welfare Division, Bang Kha Yang Subdistrict Municipality, Muang District, Pathum Thani Province, to provide a lecture and practical training on Thai dessert-making as part of the occupational promotion project. The aim was to improve the quality of life, supporting the organization of occupational training for housewives, the unemployed, and the general public, tailored to the needs of the local area, to enhance their efficiency and increase family income. Dr. Prassanee Thabbaiyam, Head of the Food and Nutrition Department, and Asst. Prof. Chaowalit Upathak, a lecturer in the Food and Nutrition Department, provided a lecture and practical training on making the “Bulan Dan Mek” and “Luk Chup” desserts on May 24, 2023, at Bang Kha Yaeng - Mueang Pathum Thani.



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Phra Nakhon 2023

6



CLEAN WATER
AND SANITATION

- Upskill & Reskill: Electrical Panel & Wiring for Wastewater Systems





CLEAN WATER AND SANITATION

Upskill & Reskill Project: Enhancing Professional Skills for the Nation's Workforce to Keep Up with Global Changes - Electrical Control Panel Assembly and Wiring Course for Wastewater Treatment Systems

The Faculty of Engineering at Rajamangala University of Technology Phra Nakhon (RMUTP) organized a project titled "Upskill & Reskill: Enhancing Professional Skills for the Nation's Workforce to Keep Up with Global Changes." This course specifically focused on the assembly and wiring of electrical control panels for wastewater treatment systems. It provided training to external personnel with the goal of developing expertise in the field, allowing participants to apply the knowledge gained efficiently in their respective professions.



The event was presided over by Asst. Prof. Dr. Nattapong Phanthuna, Dean of Faculty of Engineering. The project took place from September 1-2, 2023, on the second floor of the multipurpose building at the Faculty of Engineering, RMUTP.



วิศวกรรม
INDUSTRY

ERING

SDG REPORT

Rajamangala University of Technology
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AFFORDABLE AND
CLEAN ENERGY

- RMUTP Wins Asia Energy-Saving Innovation Award
- RMUTP and 5 Partners Develop Battery Management System for Electric Tricycles



AFFORDABLE AND CLEAN ENERGY

7 AFFORDABLE AND CLEAN ENERGY



8 DECENT WORK AND ECONOMIC GROWTH



RMUTP Wins Energy-Saving Innovation Award at the Asian Level

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



Rajamangala University of Technology Phra Nakhon (RMUTP) students participated in the “Asian Energy-Saving Innovation” competition at the Shell Eco Marathon 2023.

10 REDUCED INEQUALITIES



11 SUSTAINABLE DEVELOPMENT AND CLIMATE ACTION



12 RESPONSIBLE CONSUMPTION AND PRODUCTION



13 CLIMATE ACTION

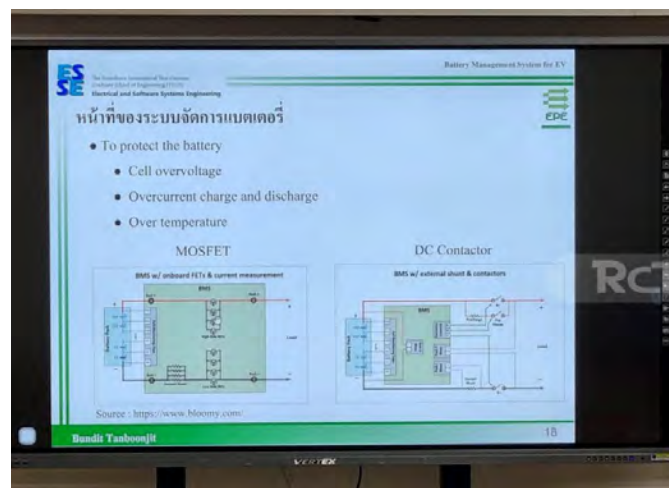


The RMUTP Racing team, comprised of students from RMUTP, secured 4th place in the “Prototype Internal Combustion Engine (ICE) using ethanol fuel” category at the Shell Eco Marathon 2023. They achieved a fuel efficiency record of 877 km/l at the Pertamina Mandariga International Street Circuit in Indonesia. This event was organized by Shell Company.

The RMUTP Racing team consists of third-year mechanical engineering students from Faculty of Industrial Education, including Ms.Piyachat Phongphaew, Mr. Saharat Nuchthim, Mr.Pornpipat Srithaweekart, and Mr.Chokthawee Suwanprom. The team was supervised by Asst. Prof. Dr.Rungarun Pornjareun, Dean of Faculty of Industrial Education, with Acting Sub-Lieutenant Nattakit Ritthong, a lecturer in the Department of Mechanical Engineering, Faculty of Industrial Education, served as the team leader, while Police Captain Wutthichai Moachai, an Aeronautical Engineer (Level 1) from the Police Aviation Division, acted as the team advisor.

Asst. Prof. Dr.Rungarun Pornjareun, Dean of Faculty of Industrial Education, said that this year’s Shell Eco Marathon 2023 saw more than 80 teams from 13 Asian countries. RMUTP Racing is the former champion of 2019. All of the students showed great dedication and spirit. We all learned a lot from this competition, and we believe that these experiences can be applied to benefit themselves and others. The team has set its sights on future competitions, aiming to further develop and compete again in 2024.

RMUTP Collaborates with 5 Organizations to Develop a Prototype Battery Management System for Electric Tricycles, Hoping to Serve as a Future Model for Electric Vehicle Battery Management Systems



CLEAN WATER AND SANITATION

7 AFFORDABLE AND CLEAN ENERGY



Amid the challenges of pollution and air quality problems caused by PM 2.5, Thailand has established a roadmap to reduce greenhouse gas emissions as part of the United Nations Framework Convention on Climate Change (UNFCCC). The goal is to achieve net-zero emissions by 2065. To support this, the government has outlined a strategy to increase electric vehicle (EV) production to 30% of total car production by 2030. However, the push for electric vehicles in Thailand has faced slow adoption due to high prices and concerns over maintenance, especially regarding batteries, which are the core component of EVs.

In response to these issues, five organizations have come together to research and develop a prototype Battery Management System (BMS) for lithium-ion batteries to promote an environmentally friendly industry. The five organizations include:

- Lecturer Ms.Kamonmit Phusorn, a faculty member in the Department of Electrical Engineering, Dean of Faculty of Industrial Education, RMUTP,
- Mr.Bundit Tanboonjit, a researcher at Sirindhorn International Thai-German Graduate School of Engineering (TGGS),
- Asst. Prof. Narong Narong Thammaphuti, a faculty member of the Department of Electrical Engineering Technology, College of Industrial Technology, King Mongkut's University of Technology North Bangkok,
- Asst. Prof. Dr.Sumet Lippirojanpong, a faculty member of the Department of Electrical Technology, Faculty of Science and Technology, Muban Chombueng Rajabhat University, and PTS Combination Co., Ltd. (a joint venture).

The research is supported by the National Research Council of Thailand (NRCT) under a project aimed at enhancing the country's competitiveness through the development of future transportation systems and robotics and automation industries.



6 CLEAN WATER AND SANITATION

EXT WORK AND ECONOMIC GROWTH

KEY INDICATORS OF PERFORMANCE

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Rajamangala University of Technology
Phra Nakhon 2023

8



DECENT WORK AND
ECONOMIC GROWTH

- RMUTP Career Training for Support Staff
- RMUTP Trains Student Startups on TikTok Sales
- Business Faculty Trains Students as Future Entrepreneurs



DECENT WORK AND ECONOMIC GROWTH

8 DECENT WORK AND ECONOMIC GROWTH



RMUTP Holds Training on Career Advancement for Support Staff

Rajamangala University of Technology Phra Nakhon (RMUTP), through the Personnel Division, organized a project titled “Career Advancement Path for Support Personnel.” The second activity for Group 1 was a training course on “Techniques for Writing Operational Manuals,” held from July 4-5, 2023, at Le Celeste Room, Royal River Hotel, Bangkok. The aim was to provide knowledge and understanding about various types of work evaluations and to facilitate the exchange of experiences regarding the evaluation of work for those seeking higher positions. The event featured Ms.Pattama Jaksurat, Acting Director of the Academic Support Personnel Competency Development Center, and Mr.Nikom La-inchua, a senior audiovisual expert from Chiang Mai University, as guest speakers. The training covered foundational knowledge in the creation of operational manuals, focusing on chapters 1 to 5. A total of 43 civil servants from higher education institutions and university support staff participated.



RMUTP’s Institute of Research and Development Conducts Training on Increasing Sales on TikTok for Student Startups

RMUTP’s Business Incubation Unit of the Institute of Research and Development organized a project titled “Startup HERO: Digital Branding,” which aims to nurture modern entrepreneurs for the online market through the development of digital branding. The event was opened by Asst. Prof. Dr.Chantana Papattha, Deputy Director of Institute of Research and Development, on August 28, 2023, at the Big Data Virtual Lab, 4th floor of the Ratchaburi Direkrit Building, Thewet Campus. The objective of the project was to encourage and support students who are interested in starting a business, running a startup, or already operating a business to enhance their ability to reach target customers. Participants were taught how to increase sales, revenue, and competitiveness sustainably while also learning how to access funding and business knowledge.

9 SUSTAINABLE DEVELOPMENT AND INFRASTRUCTURE



INDIGENOUS KNOWLEDGES



SUSTAINABLE DEVELOPMENT COMMUNITIES



SUSTAINABLE CONSUMPTION AND PRODUCTION



CLIMATE ACTION



LIFE BELOW WATER



LIFE ON LAND



LIFE BELOW WATER



LIFE ON LAND



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LIFE BELOW WATER



DECENT WORK AND ECONOMIC GROWTH

- 7 INDUSTRY, INNOVATION AND INFRASTRUCTURE
- 8 DECENT WORK AND ECONOMIC GROWTH
- 9 INDUSTRY, INNOVATION AND INFRASTRUCTURE
- 10 REDUCE INEQUALITIES
- 11 SUSTAINABLE CONSUMPTION AND PRODUCTION
- 12 RESPONSIBLE CONSUMPTION AND PRODUCTION
- 13 CLIMATE ACTION
- 14 LIFE BELOW WATER
- 15 LIFE ON LAND

The event featured Ms.Ice Jeerapa Surisuk, a Creative Content Creator from Mango Zero and the owner of the TikTok page Tiktok_icediry, who provided training on “Techniques for Increasing Sales on TikTok.” The session covered topics such as creating content for TikTok, video-making techniques, and reaching target audiences. The event also included a workshop on making short video clips for TikTok, with 81 students from nine faculties, ranging from first-year to fourth-year students, in attendance.



DECENT WORK AND ECONOMIC GROWTH

8 DECENT WORK AND ECONOMIC GROWTH



Faculty of Business Administration Joins Training to Nurture Students into Becoming New Entrepreneurs

On March 30, 2023, the Faculty of Business Administration at RMUTP participated in a project titled “Training to Nurture Students into Becoming Entrepreneurs” (Startup HERO: Young Startup Hero). The event was led by Asst. Prof. Dr. Rattanavalee Maisak, Dean of Faculty of Business Administration, and Dr. Srisuda Intamas, Vice-Dean for Student Affairs Dean for Student Affairs, along with faculty members from the Entrepreneurship Program and students. The event was opened by Dr. Natworapol Rachsirivatcharabul, President of RMUTP. This project was organized to promote and develop students’ knowledge of marketing channels in the form of Business-to-Business-to-Customer (B2B2C), and to help them learn how to enhance marketing between student groups and startup entrepreneurs, as well as online market service providers. The event tested students’ competitiveness and served as a driving mechanism for marketing startups. Participants were able to apply the knowledge gained to start their own businesses.

The event also featured a workshop conducted by Mr. Winit Limcharoen, an expert in low-cost marketing and the founder of the startup We Chef (Thailand) Co., Ltd., as well as the author of the bestseller “Low-Cost Marketing: Breaking All the Rules, No Money Needed, Make Your Business Famous in All Channels.” The workshop covered topics such as developing and applying research for commercial use. Additionally, there were training sessions on “Designing Packaging in the New Normal,” led by Mr. Watcharapol Sunontarat, Manager of the RMUTP Business Incubation Center, and on “Marketing in the 4.0 Era via Online Media,” Guest speaker: Lecturer Wiranpatchara Asampinpong, Head of the Marketing Department and Head of the Educational and Career Guidance Office, Faculty of Business Administration, at the Language Institute ‘ lecture hall, 5th floor, Ratchaburi Direkrit Building, Rajamangala University of Technology Phra Nakhon, Thewet Campus.



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INDUSTRY, INNOVATION
AND INFRASTRUCTURE

- Faculty of Science, RMUTP, Launches Scientific Instrument and Service Center
- Workshop on Digital Tech for Management Systems





Faculty of Science, RMUTP, Establishes Scientific Instrument and Service Center (SISC@Sci.RMUTP)

The Faculty of Science at Rajamangala University of Technology Phra Nakhon (RMUTP) has established the Scientific Instrument and Service Center (SISC@Sci.RMUTP). The center was founded to provide services in research and development, solving technical and engineering problems, analysis and synthesis, testing, inspection, and maintaining standards. It also offers technology and innovation management services, as well as specialized organizational management for professionals. The target users of the center include students, faculty members, researchers, interested individuals, communities, SMEs, and community enterprises, covering both public and private sectors. The services offered by the SISC@Sci.RMUTP include the following:



- Experiments using basic and specialized scientific instruments
- Sample preparation for analysis and synthesis according to standards
- Quantitative and qualitative analysis through scientific processes and instruments
- Research and development, including the creation of prototypes and innovations
- Training or workshops and the provision of laboratory services (covering industrial materials, environmental science, computer science, and IT), as well as software for analysis, research, and education.

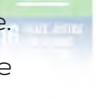
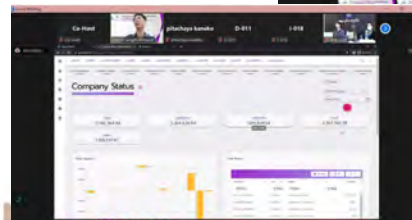
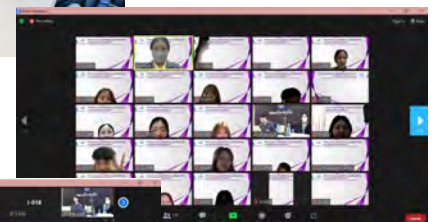
Workshop on Digital Technology for Organizational Management Systems (Online: Zoom Meeting)

On Monday, June 19, 2023, the Accounting Department of the Faculty of Business Administration, Rajamangala University of Technology Phra Nakhon, organized a workshop on Digital Technology for Organizational Management Systems (Online: Zoom Meeting). The opening ceremony was presided over by Asst. Prof. Dr.Rattanavalee Maisak, Dean of the Faculty of Business Administration, while Dr.Supatra Apichaimongkol, Head of the Accounting Department, delivered the opening report.

This workshop aimed to enhance accounting skills related to organizational management systems using the AccCloud ERP online accounting software. The goal was to equip participants with the knowledge needed to improve their capabilities and adapt to the digital economy. The event was honored by two distinguished speakers: Associate Professor Dr.Ekarin Sangthamarat and Ms.Nuchjaree Phetthani, who presented on the following topics:

- What is an ERP system and its functions?
- Introduction to AccCloud ERP (Cloud-based ERP system)
- Data Setup Module
- Purchasing Modul

The event took place in the Thammanoon-Suwit Conference Room, 2nd Floor, Building 2, Faculty of Business Administration, Bangkok Commercial Campus.





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REDUCED
INEQUALITIES

- RMUTP Opens 2023 Quota for 50 Students with Disabilities
- Congrats to Teerasak Cherdchai, First-Year Marketing Student, for Boccia Gold





RMUTP supports equal education, opens a quota for 50 disabled students to enroll in undergraduate programs in 2023.

According to statistics from the Central Registration Office, Department of Provincial Administration, in 2022, there were 2,153,519 people with disabilities in Thailand. Among them, 150,354 were children or students, but 21,503 disabled individuals did not receive education. The highest level of education achieved by most disabled people was elementary school (81.16%), followed by secondary school (12.04%), vocational certificate (2.52%), and university (0.59%). This suggests that access to education for disabled individuals decreases as the education level increases.

Dr.Natworapol Rachsirivatcharabul, President of Rajamangala University of Technology Phra Nakhon, revealed that in order to support disabled individuals with learning abilities, the university promotes access to quality education and equal education rights in accordance with the announcement by the Committee on the Promotion of Education for Persons with Disabilities. The university has implemented policies to admit disabled students into undergraduate programs. As a result, Rajamangala University of Technology Phra Nakhon opened admissions for disabled students under the second quota for the 2023 academic year, accepting 50 students. Applicants must have completed a vocational certificate or higher vocational certificate, with a GPA of 2.00 or above (or as specified by the faculty), possess a legal disability ID card, and exhibit good conduct.

Dr.Natworapol also mentioned that Rajamangala University of Technology Phra Nakhon has been admitting disabled students alongside regular students in undergraduate programs since 2010. Currently, the university has 6 disabled students enrolled in undergraduate programs, with one student graduating this year. The faculties that admit disabled students Faculty of Industrial Education in the following programs: Computer and Intelligent Electronics, Mechanical Engineering, and Industrial Engineering, admitting 15 students with hearing impairments who use hearing aids and can communicate. Faculty of Home Economics Technology admits 8 students with hearing impairments in Fashion Design and Product Management, Food and Nutrition, Food Service Industry, Home Economics, and Food Technology.

These students can take care of themselves. The Faculty of Business Administration admits 4 students with physical or mobility impairments who can manage themselves in Accounting, Management, Financial Innovation and Investment, and Marketing. The Faculty of Science and Technology admits 4 students with physical or mobility impairments, including those with color blindness, in Computer Science, Data Science and Information Technology, Industrial Materials Science, and Environmental Science and Technology. The Faculty of Liberal Arts admits 4 students with physical or mobility impairments, including limb disabilities, in English for International Communication and Thai Applied for Careers and Communication Innovation. Faculty of Industrial Textiles and Fashion Design admits 4 students with physical or mobility impairments in Clothing Technology and Fashion Business Management, Textile Innovation and Technology, and Fashion and Textile Design - Textile Product Design. The Faculty of Architecture and Design admits 9 students with physical or mobility impairments in Industrial Product Design, Packaging Design and Printing Technology, and Architecture. The Faculty of Engineering admits 2 students with leg disabilities and muscular weakness who can take care of themselves in Mechatronics Engineering.

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ตั้งแต่วันที่ 22 กุมภาพันธ์ 2566

- คณะอุตสาหกรรมจัดการระบบ
- คณะเทคโนโลยีคหกรรมศาสตร์
- คณะบริหารธุรกิจ
- คณะวิทยาศาสตร์และเทคโนโลยี
- คณะวิศวกรรมศาสตร์
- คณะศิลปกรรมศาสตร์
- คณะอุตสาหกรรมสิ่งทอและสิ่งพิมพ์
- คณะสถาปัตยกรรมศาสตร์และการออกแบบ

สมัครได้ที่
แผนก RMUTP.ac.th

สถานที่เรียน :
02-665-3777 โทร 6303,6307,6630 โทร 6311

เครือข่าย คณะกรรมการ



REDUCED INEQUALITIES

The university is very pleased to see students with disabilities studying alongside regular students, with everyone having a future, a career, and being accepted in society. In addition to the importance of teaching and learning, the university also provides fully integrated facilities, including learning spaces, counseling services, and has improved buildings and facilities, such as passenger elevators and ramps within the university, to accommodate these students.



Congratulations to Mr. Teerasak Cherdchai, a first-year Marketing student, on winning the gold medal in Boccia.

Rajamangala University of Technology Phra Nakhon congratulates Mr. Teerasak Cherdchai, a first-year Marketing student, on winning the gold medal in the team Boccia event: BC2+BC1 (Event 1) and advancing to the individual top 8 (Event 2) at the 38th National Disabled Sports Competition "Kanchanaburi Games" from September 8 to 12, 2023.



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SUSTAINABLE CITIES
AND COMMUNITIES

- RMUTP and Luenrit Community Discuss Tourism Education Support
- Phase Two of Career Promotion for Stability
- RMUTP and Bangkok Market Office Open Platform for Market Development at Thewarat Market





SUSTAINABLE CITIES AND COMMUNITIES

- 12 RESPONSIBLE CONSUMPTION AND PRODUCTION
- 13 CLIMATE ACTION
- 14 LIFE BELOW WATER
- 15 LIFE ON LAND
- 16 PEACE, JUSTICE AND STRONG INSTITUTIONS
- 17 PARTNERSHIPS FOR THE GOALS

“RMUTP Collaborates with the ‘Luenrit Community’ to Discuss Support for Educational Activities in Tourism Business”

The executive team of Luenrit Community Co., Ltd. Welcomed Assoc. Prof. Supatra Kosaiyakanon, former President of RMUTP, Asst. Prof. Dr. Krit Jedwana, Vice President for Planning and Physical Development, Asst. Prof. Dr.Thanapop Soteyome, Dean of Faculty of Home Economics Technology, Ms.Rungrutai Rampungjit, Associate Dean for Administration, and Mr.Anusorn Jaiton, Head of Property and Revenue Management, on a visit to the new landmark in Yaowarat’s Luenrit Community. The purpose was to exchange ideas on supporting education, art, and various forms of creative work, making it a hub to support tourism business for the community. This visit took place on June 9, 2023, at Luenrit Community, Yaowarat Road.



The Second Phase of the Career Promotion and Enhancement Project for Stability and

The Faculty of Business Administration Visits Bang Khanun Community to Promote Business Sustainability

The Social Academic Service Unit, Faculty of Business Administration, Rajamangala University of Technology Phra Nakhon, organized the second phase of the Career Promotion and Enhancement Project for Stability and Sustainability on February 9-10, 2023. Asst. Prof. Dr. Rattanavalee Maisak, Dean of the Faculty of Business Administration, presided over the opening ceremony, and Asst. Prof. Pattama Payungwong Vice-Dean for Academic Affairs and Research, presented the objectives. Mr. Chonlathorn Rodson, President of Bang Khanun Subdistrict Administrative Organization, expressed his support for the initiative.



SUSTAINABLE CITIES AND COMMUNITIES

11 SUSTAINABLE CITIES AND COMMUNITIES



The project aimed to survey the community's needs and address issues raised by the community, integrating planning and problem-solving processes. It also fostered collaboration between the Faculty of Business Administration and local government agencies to exchange knowledge and expertise, helping enhance the businesses within the community. Workshops included the following topics: "Packaging Design Principles" by Dr.Taweesak Sasongkoah, Head of Textile Product Design, "Trends in Packaging Design to Appeal to Consumers" by Mr.Panupong Ekritruang, Packaging Design Manager, Rojukiss International Public Company Limited, "Pricing Products: It's Not as Hard as You Think" by Ms.Supatra Apichaimongkol, Head of Accounting Department, and "Entering the Market through Online Platforms" by Ms.Sirintip Kuljittree, Lecturer of Marketing Department. The workshops were held at the Bang Khanun Community Waste Bank in Bang Kruai District, Nonthaburi Province.



RESPONSIBLE CONSUMPTION AND PRODUCTION



CLIMATE ACTION



LIFE BELOW WATER



LIFE ON LAND



PEACE, JUSTICE AND STRONG INSTITUTIONS



PARTNERSHIPS FOR THE GOALS



FACULTY OF BUSINESS ADMINISTRATION
RMUTP



FACULTY OF BUSINESS ADMINISTRATION
RMUTP

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RESPONSIBLE
CONSUMPTION
AND PRODUCTION

- RMUTP Commits to Becoming a Green University
- RMUTP Students Present Jewelry Made from Plastic Waste

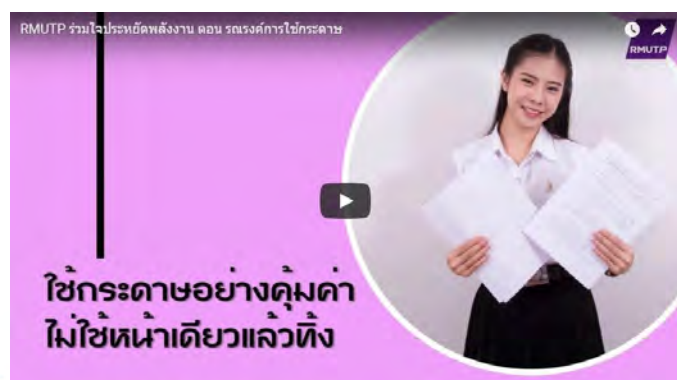




RMUTP Declares Its Drive Towards Becoming a Green University

Dr.Natworapol Rachsirivatcharabul, President of Rajamangala University of Technology Phra Nakhon (RMUTP), revealed that the university has consistently prioritized environmental and sustainability efforts. It collaborates with government and private organizations to produce innovations and install equipment to reduce energy consumption in its operations. The university also promotes the use of electricity only when necessary and turning off lights and air conditioners when not in use. Furthermore, RMUTP is increasing green spaces throughout the university.

Dr.Natworapol added that, regarding waste management, the university supports the use of an electronic document system to facilitate work and reduce paper usage. There are also campaigns encouraging students and staff to use products made from natural materials to replace plastic cups and bags. The university is also focused on waste sorting to promote recycling. For water conservation, the university campaigns for water-saving practices. Lastly, for transportation, RMUTP promotes activities such as "Car-Free Day" to reduce private car usage, which helps decrease air pollution from transportation and raise awareness of environmental issues. The university encourages the use of public transport and carpooling under the concept "Going in the Same Direction Together." RMUTP envisions becoming one of the key organizations promoting sustainability in the country by instilling and fostering environmental awareness among its students.



RMUTP Students Showcase Unique Jewelry Ideas Made from Plastic Waste

Dr.Natworapol Rachsirivatcharabul, President of RMUTP, stated that the university supports research and innovation by utilizing academic expertise to develop communities and society. This year, professors and students submitted research, inventions, and innovations to participate in the 13th National RMUT Conference, the 12th International RMUT Conference, and the 5th RMUT Invention and Innovation Contest under the theme "9 RMUT Empowering and Promoting of Sustainable Innovation and BCG Model for The Next Normal." The event, organized by Rajamangala University of Technology East, took place at Nong Nooch Pattaya International Convention and Exhibition Center in Chonburi.



As a result, RMUTP received two Gold Awards for the best presentation in the Architecture, Fine Arts, and Creative Arts category at the national level. In the RMUT Invention and Innovation Contest, the university won a Silver Award in the Health and Animal Health Science category and a Gold Award in the Art and Design Invention category, as well as a Bronze Award. One standout project was the research titled "Orphan Plastic: Creating Jewelry from Patterns on Glazed Tiles of Wat Pho," conducted by Mr.Mahannop Inthasaro and Ms.Siriwan Khumboonmas, both 4th-year students from the Faculty of Home Economics Technology at RMUTP.



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13



CLIMATE
ACTION

- RMUTP President Pledges Carbon Neutrality and Net Zero Emissions
- RMUTP Promotes Environmental Awareness on World Environment Day
- Dr. Kitiyot Tungsudjawong Discusses World Environment Day on Parliamentary TV





The President of Rajamangala University of Technology Phra Nakhon Declares the Commitment to Reduce Greenhouse Gases with the Goal of Carbon Neutrality and Net Zero Greenhouse Gas Emissions

The President of Rajamangala University of Technology Phra Nakhon has declared the university's intention to reduce greenhouse gases with two primary goals: achieving Carbon Neutrality and Net Zero Greenhouse Gas Emissions.

“มหาวิทยาลัยเทคโนโลยีราชมงคลพระนคร
ประกาศเจตนารมณ์ ในการลดก๊าซเรือนกระจก
โดยตั้งเป้าหมายหลัก 2 ประการ คือ ความเป็น
กลางคาร์บอน และ การปล่อยก๊าซเรือนกระจก
สุทธิเป็นศูนย์ ”

- Carbon Neutrality
ภายในปี ค.ศ. 2045
- Net Zero Greenhouse Gas
Emissions ภายในปี ค.ศ. 2055

ผลิตโดย งานสื่อสารองค์กร

Rajamangala University of Technology Phra Nakhon is aware of its responsibility to the public and is eager to act to address the urgent issue of global climate change. This aligns with the United Nations' Sustainable Development Goals (SDGs). As a global and national citizen, Dr. Natworapol Rachsiriwatcharabul, the President of RMUTP, has outlined two key goals for the university's greenhouse gas reduction efforts:

1. Achieving Carbon Neutrality by the year 2045
2. Achieving Net Zero Greenhouse Gas Emissions by the year 2055

To reach these goals, the university requires the cooperation of all its staff and faculty members. Additionally, continuous planning is necessary to reduce energy usage both in the short and long term. These plans will encompass various aspects of the university's operations, including teaching, research, academic services, and overall management.





CLIMATE ACTION



Rajamangala University of Technology In the News with Dr.Kitiyot Tungsudjawong:



Phra Nakhon Invites Awareness of World Environment Day, June 5, 2023, on Environmental Conservation on World Parliamentary Television



Environment Day



Online media via the YouTube channel delivers environmental conservation knowledge to everyone, including local communities, students, displaced people, and refugees. This content was released on June 9, 2023.



“One Earth, One Home” - Rajamangala University



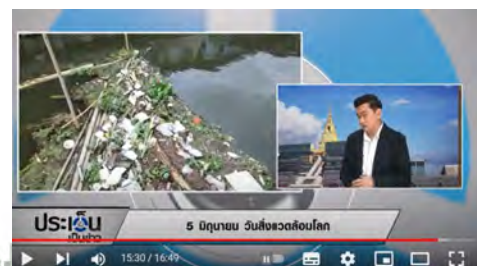
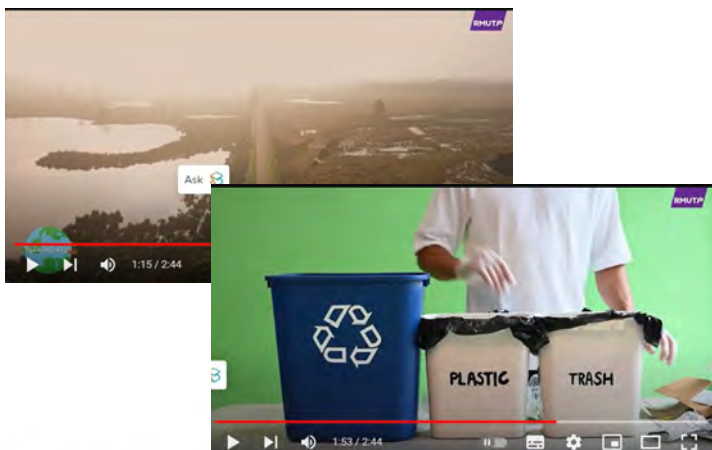
of Technology Phra Nakhon encourages awareness of environmental conservation to reduce global warming, flooding, PM2.5 dust, and other environmental phenomena. Listen to the advice of Dr.Kitiyot Tungsudjawong, a faculty member of the Department of Environmental Science and Technology, Faculty of Science and Technology, at Rajamangala University of Technology Phra Nakhon. He discusses environmental issues in Thailand and methods to reduce pollutants, urging everyone to help preserve the environment.



Evidence link: In the News with Dr. Kitiyot Tungsatchavong: World Environment Day, June 5, 2023, on Parliamentary Television (youtube.com)



Dr.Kitiyot Tungsudjawong, Head of the Department of Environmental Science and Technology and a faculty member of the Faculty of Science and Technology at Rajamangala University of Technology Phra Nakhon, discusses World Environment Day on the program “In the News.” The broadcast aired on Parliamentary Television, Channel 10 of Thailand. It aimed to make environmental issues and climate change accessible to everyone.



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LIFE
BELOW WATER

- RMUTP Students Join "Pluk Rak Pak Len" for Ecosystem Restoration
- Local Textile Arts Preservation Project 2023 at Ban Khao Yi San, Samut Songkhram





RMUTP students participated in the “Pluk Rak Pak Len” project to restore the ecosystem

Asst. Prof. Saththa Khaengpenkhae, Assistant to the President for Student Affairs, Rajamangala University of Technology Phra Nakhon, stated that developing students into desirable graduates is one of RMUTP’s key missions. However, solely providing classroom knowledge and professional skills is insufficient for modern education. Students need to acquire social skills, which they can develop by learning from their surroundings and other sources. This equips them with the knowledge and abilities to keep pace with global changes.

In response to this, the Student Development Division organized the second “Prong San Samphan Mangrove Conservation Project” on January 21, 2023, at the Sirindhorn International Environmental Park in Cha-Am District, Phetchaburi Province. The project included various activities such as mangrove planting, releasing animals back into the sea, and collecting coastal litter, all of which are crucial for ecosystems that absorb carbon dioxide—a significant contributor to the greenhouse effect. These efforts help restore marine natural resources. Participating in such activities fosters students’ environmental consciousness while also contributing to public service within the local community.



Project for the Preservation and Continuation of Local Textile Arts and Cultural Wisdom, Fiscal Year 2023, at the Ban Khao Yi San Bark Group, Samut Songkhram Province



On March 7–8, 2023, the Faculty of Textile Industry and Fashion Design at Rajamangala University of Technology Phra Nakhon, led by the Student Affairs Division, carried out the project to preserve and promote local wisdom in textile arts for the fiscal year 2023 at Ban Khao Yi San Tree Bark Group, Samut Songkhram Province.

The students studied the history and culture of the original community, particularly focusing on local cuisine, housing, and, most importantly, clothing. The villagers demonstrated how they harvested bark from trees such as Taboon and Indian Almond leaves. The students learned how to collect the bark and leaves, extract the natural dye, and dye the fabric, as well as how to process the dyed fabric into textile products.

Additionally, students enjoyed local dishes that prominently featured the leaf of Cha Khram, which surprised and delighted the participants with its unique flavors. Before returning, all the students participated in planting mangrove trees to contribute to the preservation of natural resources.



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LIFE
ON LAND

- Local Wisdom Survey for Plant Genetic Conservation under RSPG
- RMUTP Students Study Royal Principles





Resource Survey Project on Local Wisdom and Culture in Support of The Plant Genetic Conservation Project under the Royal Initiative of Her Royal Highness Princess Maha Chakri Sirindhorn (RSPG)

Dr. Kongkiat Maha-in, Assistant to the President for Arts and Culture at Rajamangala University of Technology Phra Nakhon, presided over the opening ceremony of the project on surveying cultural and wisdom resources to support the Royal Initiative on Plant Genetic Conservation under the patronage of Her Royal Highness Princess Maha Chakri Sirindhorn (RSPG). The event took place at RMUTP's Chom Thong campus on July 15, 2023. Students from nine faculties and staff participated in the project. The event was organized by the Arts and Culture Division of the Central Office.



In the afternoon, participants traveled to Poomjai Garden to listen to a lecture on developing conservation-oriented agricultural areas. The lecture was given by Ms. Porntip Tiensap, the owner of Poomjai Garden. She shared the garden's history, from its origins as a traditional fruit orchard to its transformation into a tourist destination and the development of local products, such as beverages made from local fruits like taling pling (bilimbi), which appeal to younger generations, thereby increasing the agricultural value of local produce.



In the morning session, a lecture was held on the local flora of RMUTP's Chom Thong campus, a piece of land donated by Mr. Panatda Suwannanon, Ms. Nantawan Sirianukarnwattana and Ms. Chadarat Sirianukarnwattana, the land's caretakers, delivered the lecture and guided participants through the area, which still conserves local plant species like aromatic coconuts, long-leaf lychees, bananas, and areca nuts—key agricultural products of Bangmod and the original Bang Khun Thian areas.





LIFE ON LAND



RMUTP Students Learn the Royal Principles

On March 2, 2023, the RMUTP Division of Arts and Culture organized a project titled “RMUTP Preserves the Royal Principles” to pass on knowledge to the youth at the Community Self-Sufficiency Learning Center in Khlong Ha Subdistrict, Pathum Thani Province. A total of 50 students and staff from nine faculties participated in this project.

Mr.Sunthorn Waemmabut, Mr.Adul Wichienchai, and personnel from the Royal Initiative Projects Coordination Center and the Royal Thai Armed Forces Headquarters (RTAF) served as lecturers, providing knowledge on action learning, voluntary development, collaborative work, and disaster preparedness under the concept of “Kho Nok Nong Na” at the Adul Klong Luang Mushroom Farm Learning Center in Khlong Ha, Pathum Thani.

Besides gaining knowledge, students also learned the principles of self-reliance, community living, and the royal philosophy for developing their lives—important values that go hand-in-hand with the academic knowledge they have received.



The project’s objective was to provide students—youth of the new generation—with knowledge and understanding beyond what is learned from theoretical classroom studies. Students learned the principles of the royal working methods of His Majesty King Bhumibol Adulyadej the Great, leading to pride and loyalty toward His Majesty and the institution of the monarchy.





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PEACE, JUSTICE AND
STRONG INSTITUTIONS

- RMUTP Achieves 5 Years of Transparency & Integrity





PEACE, JUSTICE AND STRONG INSTITUTIONS



Rajamangala University of Technology Phra Nakhon Achieves Transparency and Integrity Evaluation for Five Consecutive Years

Dr. Natworapol Rachsirivatcharabul, President of Rajamangala University of Technology Phra Nakhon (RMUTP), discussed the results of the 2023 Integrity and Transparency Assessment (ITA) of public sector organizations, stating that RMUTP had participated in this assessment, which was conducted by the National Anti-Corruption Commission (NACC). The results showed that RMUTP had achieved a passing level with a score of 90.74 points, ranking second among the Rajamangala universities and 24th among the 87 higher education institutions assessed.



มหาวิทยาลัยเทคโนโลยีราชมงคลพระนคร
 ได้รับผลการประเมินคุณธรรมและความโปร่งใสในการดำเนินงานของหน่วยงานภาครัฐ
 (Integrity and transparency Assessment: ITA)
 ประจำปีงบประมาณ พ.ศ. 2566 : ประเภทสถาบันอุดมศึกษา

ระดับผ่าน

90.74 คะแนน

อันดับที่ 2 ของกลุ่มราชมงคล
 อันดับที่ 24 ของกลุ่มสถาบันอุดมศึกษา

ประเมินโดย สำนักงานคณะกรรมการป้องกันและปราบปรามการทุจริตแห่งชาติ (สำนักงาน ป.ง.ช.)

ผลิตโดย งานสื่อสารองค์การ

The assessment covered various aspects, including:

- 100% in anti-corruption measures
- 100% in data transparency
- 83.64% in operational quality
- 94.22% in duty performance
- 89.62% in authority usage
- 84.96% in budget utilization
- 83.43% in corruption resolution
- 85.03% in the use of government property
- 80.98% in communication efficiency
- 80.41% in work improvement

การประเมินคุณธรรมและความโปร่งใสในการดำเนินงานของหน่วยงานภาครัฐ
 (Integrity & Transparency Assessment)

ปีงบประมาณ 2566

ITA

ทำตาม
 ต่อรับขึ้น
 ACT NOW! Start! Inspire!

2566

The evaluation aims to promote and enhance the capacity of public sector organizations by encouraging them to use the assessment results to improve and develop their operations, services, and convenience for the public.

“RMUTP has passed the assessment for five consecutive years (2019–2023). Additionally, the university has made good governance and the creation of a model organizational culture one of its core missions, reflecting its awareness and emphasis on this matter. This will ensure transparency within the organization and contribute to its future development,” concluded Dr. Natworapol.

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PARTNERSHIPS
FOR THE GOALS

- RMUTP Business Faculty Hosts Chinese Delegation Visit
- Collaboration Visits: New Zealand Embassy & University of Auckland, NZ; Duale Hochschule Ravensburg, Germany
- RMUTP Signs Cooperation Agreement and Visits China
- RMUTP Joins MOA for Student Activities Network to Boost Graduate Quality
- RMUTP Launches Cultural Exchange Course for Chinese Students in Thai Arts





PARTNERSHIPS FOR THE GOALS



The Faculty of Business Administration, Rajamangala University of Technology Phra Nakhon, welcomed a delegation from the People’s Republic of China for a study visit.

On Friday, December 8, 2023, the Faculty of Business Administration, Rajamangala University of Technology Phra Nakhon (RMUTP), welcomed a study delegation from the Jiangxi Provincial Department of Education, People’s Republic of China. Assistant Professor Asst. Prof. Dr. Rattanavealee Maisak, Dean of the Faculty of Business Administration, gave a welcoming speech. The purpose of the visit was to exchange knowledge and discuss potential academic collaborations in the future. The meeting took place at the Mongkhon Arpha 2 (Mobile) Conference Room, 2nd Floor, Mongkhon Arpha Building, Faculty of Business Administration, Bangkok Commercial Campus.



The New Zealand Embassy in Thailand and the University of Auckland, New Zealand

On February 6, 2023, Dr.Natworapol Rachsirivatcharabul, President of Rajamangala University of Technology Phra Nakhon, along with Asst. Prof. Dr.Prin Boonkanit, Vice President for Administrative, Research, and Innovation Development, welcomed representatives from the New Zealand Education Agency and the New Zealand Embassy in Thailand. The delegation was led by Ms. Jaruwat Pongcharuwat, Director of Education New Zealand from the New Zealand Embassy, along with 10 scholarship students from the New Zealand Government studying at the University of Auckland. This visit provided an opportunity for cultural exchange with Rajamangala University of Technology Phra Nakhon, aimed at benefiting faculty members, staff, and students, and strengthening the relationship between the institutions of the two countries.



PARTNERSHIPS FOR THE GOALS

17 PARTNERSHIPS FOR THE GOALS



Duale Hochschule Baden-Württemberg Ravensburg, Federal Republic of Germany

Dr. Natworapol Rachsiriwatcharabul, President of Rajamangala University of Technology Phra Nakhon, and Assoc. Prof. Asst. Prof. Dr. Prin Boonkanit, Vice President for Administrative, Research, and Innovation Development, attended the 11th International Partnership Week under the theme "Sustainability in Higher Education" from April 22-28, 2023, at Duale Hochschule Baden-Württemberg Ravensburg, Federal Republic of Germany. The event provided an opportunity to observe and exchange experiences, as well as to network with universities from around the world. They engaged in discussions on academic cooperation, including curriculum development, faculty and student exchange, and joint research. The event was attended by senior administrators from leading higher education institutions in more than 10 countries. Additionally, participants exchanged cultural experiences through national cooking activities.



Kunming University of Science and Technology, People's Republic of China



On August 10, 2023, the Faculty of Home Economics Technology (Chotiwet), Rajamangala University of Technology Phra Nakhon, organized a "Cupcake Decoration" bakery training course for faculty members and students from Kunming University of Science and Technology, People's Republic of China. This event was part of a study visit to Rajamangala University of Technology Phra Nakhon, aimed at exchanging cultural knowledge and learning professional skills in home economics from August 7-13, 2023. Asst. Prof. Asst. Prof. Dr. Thanapop Soteyome, Dean of Faculty of Home Economics Technology, served as the instructor and Chinese language lecturer. Faculty members from the Food and Nutrition program led the bakery course, while faculty members from the Fashion Design and Merchandise Management program conducted courses on "Zongzi Bag" and "Tie-Dye Fabric" at the Faculty of Home Economics Technology, Rajamangala University of Technology Phra Nakhon.





PARTNERSHIPS FOR THE GOALS

Executives of RMUTP signed a cooperation agreement and conducted a study visit in the People's Republic of China.



Dr. Natworapol Rachsirivatcharabul, President of Rajamangala University of Technology Phra Nakhon (RMUTP), together with Asst. Prof. Dr. Prin Boonkanit, Vice President for Administrative, Research, and Innovation Development, attended a study visit and participated in the 2023 China-ASEAN Education Cooperation Week exhibition in Guiyang City, Guizhou Province, People's Republic of China, from August 28-30, 2023.



On this occasion, Dr. Natworapol Rachsirivatcharabul signed an academic cooperation agreement (MOU) with Guizhou Industry Polytechnic College. He also engaged in discussions with several leading educational institutions in China that attended the event, exploring potential collaborations in student and staff exchanges, research initiatives, and the development of joint international programs in the future.

RMUTP signed a Memorandum of Agreement (MOA) to join a network of student activities across nine institutions aimed at enhancing the quality of graduates.

On October 20, 2023, Asst. Prof. Sattha Khaengpenkhae, Assistant to the President for Student Affairs, Rajamangala University of Technology Phra Nakhon, along with Ms. Mallika Weerasai, Director of Student Development Division, and a team of student potential promotion and discipline officers, participated in the signing ceremony of a cooperation agreement. This agreement forms a student activity network of nine institutions to improve the quality of graduates. Participating institutions include RMUTP, Suan Sunandha Rajabhat University, King Mongkut's University of Technology North Bangkok, Srisavarindira Thai Red Cross Institute of Nursing, Civil Aviation Training Center, Marine Training Center, Siam University, Huachiew Chalermprakiet University, and the Institute of Soil Technology. The signing took place at the Civil Aviation Training Center, Bangkok, with Ms. Phaknat Makchuai, Governor of the Civil Aviation Training Center, and leaders from the nine institutions, including student club presidents, student organization presidents, and heads of student councils, witnessing the event.



PARTNERSHIPS FOR THE GOALS

17 PARTNERSHIPS FOR THE GOALS



RMUTP has launched a cultural exchange course, teaching Chinese students the arts of Thai cuisine, flower arrangement, and Muay Thai.

Cultural exchange and cooperation between Thailand and China have long been connected in areas such as economics, trade, culture, and education. There has been mutual student exchange, with Chinese students coming to study the Thai language and Thai students studying Chinese. Rajamangala University of Technology Phra Nakhon and Kunming University of Science and Technology, People's Republic of China, have had a long-standing collaboration in knowledge, academics, and scholarships. This partnership also includes student exchanges at the undergraduate and graduate levels, especially for Chinese students who regularly come to learn Thai language and culture every year. This year marks the 6th year of this program, strengthening the relationship between the two institutions.



Dr. Natworapol Rachsiriwatcharabul, President of RMUTP, stated that learning Chinese and developing career skills for Thai students promotes cultural exchange and cooperation between Thailand and China. The results of bringing Chinese students to learn Thai culture have been positive, as these students often spread Thai cultural knowledge after returning to their country, and some return to Thailand for further studies or short-term programs, such as Thai cooking and flower arranging. These activities not only benefit research and academic work at the university but also foster strong future relationships, contributing to the economy, tourism, and cultural exchange. Many former RMUTP exchange students, after returning from their exchanges, have benefited from better career opportunities, higher salaries, improved language skills, and long-lasting friendships. Some successful graduates have even returned to provide scholarships to younger students.





Rajamangala University of Technology

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