SUSTAINABLE DEVELOPMENT GOALS

RMUTP

SDG REPORT

Rajamangala University of Technology Phra Nakhon 2024

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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"

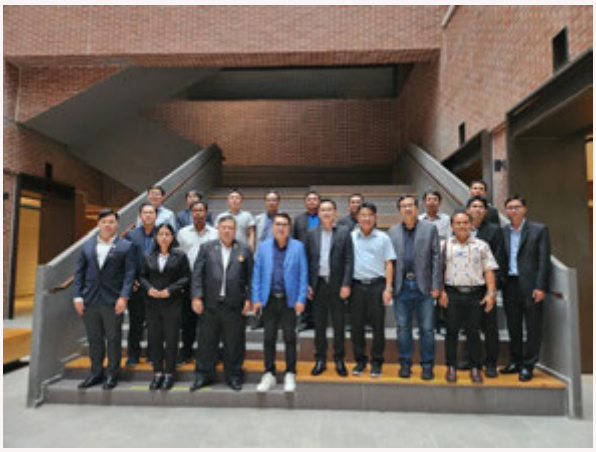
The Digital Interdisciplinary and Robotics Institute, RMUTP, organized a training program titled "Competency Development for Integrating Automation and Industrial Robots to Create Sustainable Production Models." This initiative is part of the New-Generation Graduate Program (Non-Degree Certificate) for 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 Rachsiriwatcharabulalso 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.