



UP VOICE

The Official Newsletter of the University of Puthisastra (UP)

UNIVERSITY OF PUTHISAISTRA PROVIDES A SECOND CHANCE FOR STUDENTS WHO FAILED THE HEALTH SCIENCES NATIONAL ENTRANCE EXAM



The University of Puthisastra (UP) remains committed to providing students with opportunities to pursue their academic dreams, even if they did not pass the Health Sciences National Entrance Exam. Recently, UP successfully organized an Information Session, offering guidance on alternative academic paths available at the university.

During the session, students who faced challenges in the national exam had the opportunity to explore their higher education options. The event provided:

- Comprehensive details about available programs
- Guidance on admission requirements and registration processes
- Insights from faculty members and university representatives
- A platform for students to ask questions and clarify concerns

For students who could not attend the session but are still eager to continue their education, UP offers the following programs:
Research Sciences – Develop critical skills in scientific research and innovation, contributing to advancements in various fields.

English, Business, and Entrepreneurship – Build a strong foundation in language proficiency, business strategies, and entrepreneurial leadership to excel in the global market.

Information Technology – Explore cutting-edge fields in IT, engineering, and applied sciences, preparing for future industry demands.

Although the Information Session has concluded, students can still reach out to UP for more details on program enrollment and academic opportunities:

- Facebook: University of Puthisastra (UP)
- Telephone: +855 23 221 624
- Telegram: t.me/upinformation

Failing an exam does not mean the end of your academic journey. The University of Puthisastra believes in second chances and remains dedicated to helping students find the right path for their future. If you missed the Information Session, you can still reach out to us and take the next step toward achieving your goals!

ASSOCIATE DEGREE PROGRAMS AT UNIVERSITY OF PUTHISAstra

សាកលវិទ្យាល័យ ពុទ្ធិសាស្ត្រ
UNIVERSITY of PUTHISAstra



Scholarships 50%
បរិញ្ញាបត្រជំនាញ ម្ជុំ
ASSOCIATE DEGREE MIDWIFERY



Scholarships 50%
បរិញ្ញាបត្រវិទ្យាសាស្ត្រ
ASSOCIATE DEGREE LABORATORY SCIENCES



Scholarships 100% and 50%
បរិញ្ញាបត្រជំនាញ គិលានុបដ្ឋាក
ASSOCIATE DEGREE NURSING

ចុះឈ្មោះចូលរៀន តាមរយៈតំណភ្ជាប់ត្រួតពិនិត្យសុខាភិបាល ដោយប្រើសម្របសម្រួលសាកលវិទ្យាល័យ ពុទ្ធិសាស្ត្រ ប្រើប្រាស់ប្រព័ន្ធស៊ីស្ទេម

ធ្លាក់បរិញ្ញាបត្រជំនាញ ជំនាញវិស័យសុខាភិបាល

ឧទ្ធរណ៍ក្រសួងសុខាភិបាល ថ្ងៃទី 27 មីនា 2025

ថ្ងៃប្រមូលបញ្ជាក់ព័ត៌មាន 26-27th មេសា 2025

The University of Puthisastra opens for the Associate Degree programs in Nursing, Midwifery, and Medical Laboratory Technology for the academic year 2024-2025. This is an incredible opportunity for students passionate about healthcare to receive high-quality education.

Why Choose University of Puthisastra?

- 100% Scholarship Opportunity! Students who register now have the chance to receive a full scholarship for all three years of their studies.
- High-Quality Education! Learn from experienced professionals and gain hands-on experience with cutting-edge medical technology.
- Strong Career Prospects! Graduates from UP are highly sought after in Cambodia's growing healthcare sector.

Application Details:

- Application Period: Open from now until March 27, 2025
- How to Apply for the Scholarship: Apply now via the official scholarship application

link: <https://www.puthisastra.edu.kh/scholarship-application-form/>

- Registration through the Ministry of Health: Select Puthisastra University as your first choice when applying via this
- link: <https://medical-exam.poscar.cloud/>

Don't miss this opportunity to pursue your dream career in healthcare with the best education and full financial support! Secure your future today at University of Puthisastra!

NIGHTINGALE PLEDGE CEREMONY: A MILESTONE IN NURSING JOURNEY FOR BACHELOR OF SCIENCE IN NURSING, BATCH 10



The Department of Nursing, Faculty of Nursing and Midwifery, University of Puthisastra, honored to host the "Nightingale Pledge Ceremony". This pivotal ceremony aims to transition the nursing students into their clinical placement. This ceremony symbolized their commitment to their professionalism, commitments, integrity, dignity, and compassion in their role to promote, prevent, and restore the health quality of the patients.

This ceremony has been participated by distinguished guests including President and Vice Chanlender, Professor Ian Rouse, Dean of Faculty of Nursing and Midwifery, Representative of Sunrise Japan Hospital and Khmer-Soviet Friendship Hospital, part-time lecturers and faculty members.

In the key notes Professor Ian Rouse stated “Nursing is not just about administering medications or following procedure, but about being a source of strength and reassurance to those in their most vulnerable moments”.

In addition, Mrs. TUN Sreypeov, Dean of Faculty of Nursing and Midwifery, further emphasized the foundational values of nursing at UP with 5 C’s “Compassion, Competence, Community contribution, Commitment, and Celebration”.

A highlight of the ceremony was all nursing students lit the candle from the lecturers, symbolizing the passing of the knowledge and professionalism to the next generation. Along with insightful experience sharing from senior students and group performance that makes the event both memorable and meaningful.

The Nightingale pledge ceremony is more than a traditional ceremony yet this is a symbol of trust and responsibility placed to the future nurses. As nursing students step into their clinical placement, they carry the spirit of Florence Nightingale that embodies the light of knowledge, compassion, and unwavering dedication to patient care.

The Department of Nursing congratulates and wishes all the nursing students on this milestone and success within their studies and clinical practice, as they will continue to make a difference in the lives of those they care for.

UNIVERSITY OF PUTHISAstra CELEBRATES INTERNATIONAL WOMEN’S DAY 2025 WITH INSPIRATION AND SUSTAINABILITY



University of Puthisastra (UP) proudly celebrated International Women’s Day 2025, honoring the achievements and contributions of the incredible women in our community. The event brought together faculty and staff in a meaningful gathering that emphasized appreciation, empowerment, and sustainability.

The celebration began in Hall B, where Professor Ian Rouse, UP’s President and Vice-Chancellor delivered inspiring opening remarks, followed by a heartfelt message from Ms. Ken Prohm vibossny, Human Resources Manager, representing the voices of UP’s women. A special video featuring messages and quotes from UP’s female and male staff highlighted their dedication and impact.

Attendees then captured the moment with a photo session alongside a pro-environmental banner promoting sustainability and gender equality. The event continued with a morning tea reception, fostering appreciation within UP Community. In front of the library, the President personally distributed plants and souvenirs to all female staff, symbolizing growth and empowerment. In a collective act of sustainability, attendees joined the President in planting trees in front of Building A, reinforcing UP’s commitment to a greener future. The event concluded with staff voluntarily signing the UP Women’s Day banner, leaving messages of encouragement and unity.

UP remains committed to recognizing and empowering women while advocating for a sustainable future. We thank everyone who participated in making this celebration meaningful and memorable.

ICT STUDENT SUCCESSFULLY COMPLETE EXCHANGE PROGRAM UNDER ERASMUS+ STUDENT PROGRAM 2024



Hourn Srey Aem, ICT Year 3 student from the University of Puthisastra has successfully completed her exchange program under the Erasmus+ Student Program 2024, marking a significant achievement in academic collaboration and global learning. She spent a semester at Alanya University, Turkey, where they engaged in advanced coursework, research projects, and cultural exchange activities. The program aimed to enhance their academic and professional competencies while fostering international collaboration in the field of Information and Communication Technology (ICT).

The Erasmus+ Student Program continues to be a vital platform for enhancing international education, providing students with invaluable exposure, networking opportunities, and skill development. The successful completion of this exchange strengthens the University of Puthisastra's commitment to equipping students with globally competitive expertise in ICT.

EMBRACING INNOVATION: INSIGHTS FROM THE AI-POWERED LEARNING DESIGN WORKSHOP



The Faculty of Arts, Humanities, and Languages had the enriching opportunity to participate in the AI-Powered Learning Design workshop organized by the University of Puthisastra.

Led by Dr. Vaikunthan Rajaratnam, the workshop offered valuable insights into how AI can transform educational experiences. Through hands-on activities, we had the opportunity to explore the potential revolutionization of both teaching and learning experiences with a range of powerful AI-assisted tools, including:

- NotebookLM which enables educators to upload resources, such as slides, videos, textbooks, and research papers, making it easy to create personalized lessons for their students. This resource library allows students to ask questions and interact with NotebookLM just like they communicate with their teachers. Additionally, teachers can also track student progress and organize lesson plans that align with students of different needs.
- Gamma which allows teachers to create vivid presentations that capture students' attention and improve their understanding. At the same time, students can utilize this platform to design creative presentations, unique infographics and images, and innovative projects, allowing them to express their ideas in engaging ways.
- InVideo which lets educators create engaging video lessons, making complex concepts easier to understand for students, and can be beneficial for the flipped learning model. Likewise, students can also use InVideo to showcase their learning through creative video projects or presentations.

Moving forward, we are excited to explore the possibility of integrating these AI tools in our courses, aiming to cultivate dynamic and inclusive learning environments where all students can thrive. Our goal is to develop interactive lessons and multimedia resources that keep students engaged and motivated.

We would like to extend our heartfelt gratitude to the University of Puthisastra for organizing this enlightening event and to Dr. Rajaratnam for delivering such an insightful workshop.

EXCHANGE STAFFS FROM ALANYA UNIVERSITY AND ALTINBAS UNIVERSITY, TURKEY, VISITED FACULTY OF ICT TO STRENGTHEN COLLABORATION



The Faculty of ICT recently welcomed esteemed representatives from Alanya University and Altinbas University, Turkey, as part of an academic exchange initiative aimed at fostering international collaboration. This exchange marks a significant step toward strengthening global academic ties between Cambodia and Turkey.

Both universities expressed their commitment to continued cooperation, paving the way for future collaborations that will benefit students and faculty alike. The visit reflects UP's dedication to expanding its international network and enhancing educational opportunities through cross-border partnerships.

NEW ARRIVAL OF MANIKINS TO FACULTY OF MEDICINE



The faculty of medicine received new several types manikins which will be used in the upcoming semester for the new simulation skills in additional more than 20 skills of prehospital training program.

Our goal is to include all necessary skills students need to experience before real practice on patients in their clinical rotation at the hospitals. The 5 additional simulation skills are:

1. Thoracocentesis and pericardiocentesis skills
2. Eye examination skills
3. Nasogastric/orogastric insertion skills
4. Head and neck examination skills
5. Oral and nasopharyngeal swab skills

All the manikins are high quality and our teams have received detailed training on how to use manikins properly from manufacturers. Hopefully, our students will be able to make the best use of them to develop their skills and knowledge.

ICT INFORMATION SHARING SESSION FOR STUDENTS WHO DIDN'T PASS THE NATIONAL EXAM IN HEALTH SECTOR



The Faculty of ICT at the University of Puthisastra has stepped forward to support students who did not pass the national exam in the health sector by offering alternative education and career pathways in technology.

Recognizing the growing demand for ICT professionals in Cambodia, the faculty held an information-sharing session to introduce students to the potential of IT-related fields. The initiative aims to empower students by providing them with alternative career paths that align with Cambodia's evolving job market.

UP'S SCIENCE RESEARCH STAFF PASSED IN ONE-YEAR TRAINING PROGRAM AT MAE FAH MUANG UNIVERSITY, CHIANG RAI, THAILAND



March 4, 2025

Subject: Acceptance to participate in a one-year epidemiology and disease control training program in Thailand

Dear Be Sokkeang,

Congratulations! I would like to inform you that your application to participate in a one-year epidemiology and disease control training program under the project entitled "Frontier public health personnel capacity development for preparedness future severe human health threat in the region" has been selected. The program is organized by Mae Fah Luang University (MFLU), the Ministry of Public Health (MOPH)-Thailand, and WHO-Thailand. It aims to improve knowledge and skills in disease control and prevention. We have received a large number of qualified applications from more than 10 countries, you should be proud of it.

Your return international flights from your nearest airport to Mae Fah Luang Chiang Rai International Airport (CEI), Thailand will be arranged. The shared bathroom and meals during will also be provided, including per diem. You will stay at Phua Waeng Resort, Chiang Rai. (<http://phua-waeng-resort.com/en/home.html>) during your first module between 21-25 April 2025 (details attached).

However, the VISA fee and other expenses will be your own responsibility and cannot be reimbursed. In addition, please be informed that all the training materials will be in electronic files, so please be sure that you will bring a computer laptop with you and check whether you have a proper adaptor for charging in Thailand's electrical system.

For further concerns or inquiries, please contact us at email: soh@mfu.ac.th

Yours sincerely,

Associate Prof. Dr. Tawatchai Apichachai, Dr.P.H. (Epidemiology), MMSc-GHD (Harvard University)
 Project leader
 Director, Center of Excellence for the Hill who Health Research, Mae Fah Luang University, Thailand 57100 TEL: +66 (0) 5391-0821-4, Fax: +66 (0) 5391-0821
 Email: Tawatchai.apichai@mfu.ac.th

Center of Excellence

Frontier public health personnel capacity development for preparedness for future severe human health threats in the region program

Objective

To strengthen 100 public health and medical professionals who are working in Myanmar, Laos, Cambodia, and Thailand in disease prevention and control skills, risk communication, and other relevant leadership skills.

Training modules

There are four modules for the training.

The first module (In person): Applied Epidemiology and Implementation Science, led by faculty from Harvard Medical School. (21-25 April 2025)

Second module (In person): Steps of disease investigation and control, including essential biostatistics, led by the FETP-MOPH and US-CDC (Inviting) team. (21-25 July 2025)

Third module (Online): Individual or group project development based on their work setting, led by FETP-MOPH and MFU team. (15-19 September 2025)

Fourth module (In person): Health leadership, risk communication, and networking development, led by WHO (Inviting), MOPH, and MFU team. (15-19 December 2025)

Eligible criteria

Applicants should meet all the following requirements:

- (i) Be a citizen of Myanmar, Laos, Cambodia, or Thailand;
- (ii) Hold at least a bachelor's degree in health science, e.g., medical doctor, veterinary, public health, medical technologists, nursing;
- (iii) Have two years of experience in public health in any setting, epidemiological-related jobs preferred;
- (iv) Be able to attend all four modules and
- (v) Fluent in speaking English.

Selection process

Once the deadlines for the application is achieved, all applications will be assessed based on the eligible criteria. Epidemiological relevant experience, perspective on an epidemiologist's career, and motivation to work in the field will be used for final selection. Women, individuals aged below 40 years, and people who are working in border areas are prioritized.

Venue

Mae Fah Luang University (www.mfu.ac.th), Chiang Rai Province, Thailand

Pages

All accepted applicants will be supported for all expenses related to the training program: airfare, lodging, meals, etc.

Application by 20 February 2025

<http://mfu.ac.th/health/infocb/health-sc-hrnm.html> | ceh@mfu.ac.th | 055-831 4308

Mr. Be Sokkeang, the Program Manager of Science Research of the University of Puthisastra (UP) was selected as candidate in the One-Year Training Program at Mae Fah Muang University, Chiang Rai, Thailand.

The title of the training is "Frontier Public Health Personnel Capacity Development for Preparedness for Future Severe Human Health Threats" in the region program.

The main objectives of the program are to strengthen 100 public health and medical professionals who are working in Myanmar, Laos, Cambodia, and Thailand in disease prevention and control skills, risk communication, and other relevant leadership skills.

SIX B.PHARM. STUDENTS WERE SELECTED TO JOIN 2025 INTERNATIONAL SUMMER PROGRAM AT UIC, USA



The Faculty of Pharmacy at the University of Puthisastra is proud to announce that six outstanding students have been selected for the 2025 International Summer Program on Contemporary Clinical Pharmacy Practice & Education at the University of Illinois Chicago (UIC), USA. This prestigious program will provide advanced clinical pharmacy education, hands-on learning, and global healthcare insights.

Students were chosen based on academic excellence, clinical pharmacy knowledge, leadership, communication skills, and commitment to professional growth. The selected students are:

1. Mr. AING KANAL
2. Mr. CHENG SINGLAY
3. Mr. HOEURB LYSONG
4. Ms. THOK SREYVITH
5. Ms. CHIM KIMCHOU
6. Ms. TIV SANTINI

The program at UIC offers exposure to cutting-edge research, expert faculty, real-world case studies, and global networking opportunities, preparing students to become future leaders in pharmacy.

We congratulate our selected students on this remarkable achievement. Their participation will enhance their professional growth and contribute to advancing pharmacy education and practice in Cambodia. Wishing them success in this transformative experience.

TWO B.PHARM. STUDENTS WERE SELECTED TO ATTEND THE 2025

PROGRAM OF APPLYING SUSTAINABLE DEVELOPMENT GOALS AND INTERNATIONAL PHARMACEUTICAL LEARNING NETWORK (SDGS&iPLN) AT CHINA MEDICAL UNIVERSITY (CMU), TAIWAN.



The Faculty of Pharmacy at the University of Puthisastra proudly congratulates Mr. Soeun Chanseyha and Ms. Pong Moniratanak, two outstanding Pharmacy students, on their selection to participate in the 2025 Program of Applying Sustainable Development Goals and International Pharmaceutical Learning Network (SDGS&iPLN) at China Medical University (CMU), Taiwan.

This prestigious program will take place from July 16 to 29, 2025 and brings together pharmacy students from around the world to engage in learning experiences centered on sustainable development and global pharmaceutical education.

Their selection for this program is a testament to their academic excellence, leadership potential, and proficiency in English. They will have the unique opportunity to explore international pharmaceutical practices, collaborate with peers from different countries, and gain insights into sustainable healthcare solutions.

Thanks to the generous financial support from the Ministry of Education in Taiwan, both students will receive a grant covering \$1,000 USD, which includes dormitory fees, meals, local transportation, tuition, and other related expenses.

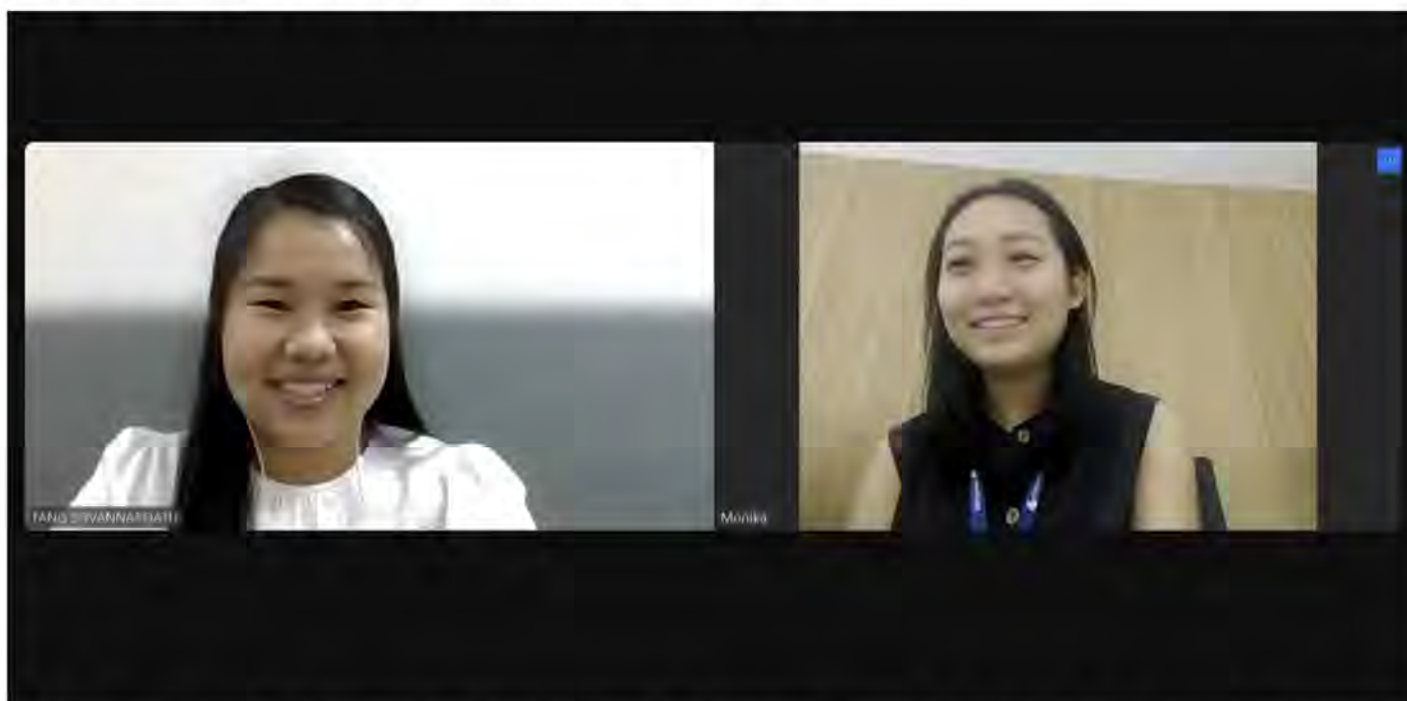
While airfare, visa fees, and personal daily expenses will be covered by the students, this support significantly reduces the financial burden and allows them to focus on making the most of this incredible opportunity.

The Faculty of Pharmacy at UP is committed to providing its students with global learning experiences that enhance their professional and academic development.

We are confident that Mr. Soeun Chanseyha and Ms. Pong Moniratanak will represent UP with excellence and make meaningful contributions to the program.

We extend our heartfelt congratulations to both students and wish them great success in their international learning journey.

MEETING BETWEEN FACULTY OF PHARMACY, UNIVERSITY OF PUTHISAISTRA AND INTERCARE HOSPITAL.



On Friday, 28th, 2025, a meeting was held between the Rotation Officer at the Faculty of Pharmacy, University of Puthisastra and the Pharmacy Manager of Intercare Hospital to discuss the upcoming clerkship activities for third-year Bachelor of Pharmacy students at the hospital.

The meeting focused on establishing a strong partnership between the Faculty of Pharmacy and Intercare Hospital to facilitate clerkship opportunities for students in the future. This collaboration aims to provide students with hands-on experience in a clinical setting, helping them to strengthen their pharmacy skills and gain valuable insights into the operations of a hospital pharmacy.

The Faculty of Pharmacy at the University of Puthisastra is committed to expanding its network of cooperation partners to enhance the quality of clerkship activities and pharmacy education.

By increasing partnerships with esteemed institutions like Intercare Hospital, the faculty aims to provide students with diverse opportunities to improve their clinical skills, ensuring they are well-equipped for their professional careers.

THE FACULTY OF PHARMACY CONTINUES TO INVEST IN MODERN EQUIPMENT TO ENHANCE TEACHING, PRACTICAL TRAINING, AND RESEARCH



The Faculty of Pharmacy continues to demonstrate its commitment to advancing the quality of education and research by investing in cutting-edge equipment and technology for its laboratories. This ongoing investment aims to further enhance teaching, provide hands-on practical training for students, and open new avenues for research collaboration.

As part of this initiative, the faculty has recently acquired two advanced pieces of equipment for the Medical Biology Laboratory, which will support both the Master of Medical Biology and Bachelor of Pharmacy programs. These additions will further enhance the laboratory's capabilities and align it with both national and international academic standards, ensuring students and faculty have access to top-tier resources for their learning and research.

Newly acquired equipment:

1. Electrophoresis System for DNA and RNA Gels: This equipment will allow students and researchers to separate DNA, RNA, or proteins based on their size and charge, facilitating high-level molecular biology research and analysis.
2. Electrophoresis Smart Blue Transilluminator: This innovative transilluminator provides a safe and efficient method to visualize fluorescently stained DNA or RNA gels using blue light, reducing the risks associated with traditional UV light exposure.

PHARMACY STUDENTS GAIN VALUABLE INSIGHTS DURING STUDY VISIT TO TECHO SANTEPHEAP NATIONAL HOSPITAL



On a recent study visit to Techo Santepheap National Hospital, Mr. Heim Mengkhim, Coordinator of the Pharmacy Study Club, led a group of 45 pharmacy students who are members of the Clinical Pharmacy Club. This visit, designed to provide students with an in-depth understanding of hospital pharmacy practice, was a remarkable learning experience for all involved.

The students were warmly welcomed by the Administration and Pharmacy Department teams of Techo Santepheap National Hospital, who guided them through various hospital facilities, explaining how the hospital operates and the critical role the pharmacy department plays in patient care. Objectives of the Study Visit:

1. Identify the Structure and Work Processes of the Hospital
2. Learn About the Role and Responsibilities of Hospital Pharmacists
3. Explore Potential Career Opportunities in Hospital Pharmacy

The Faculty of Pharmacy at the University of Puthisastra extends its sincere gratitude to the staff and coordinators of the Administration and Pharmacy Department teams at Techo Santepheap National Hospital. Their hospitality and willingness to share their expertise provided the students with a valuable learning experience that will undoubtedly enhance their future careers. This study visit is just one of many initiatives that reflect the Faculty of Pharmacy's commitment to providing students with practical knowledge and exposure to real-world pharmacy practice. The faculty looks forward to continuing its strong partnership with Techo Santepheap National Hospital to further enrich the learning experiences of its students.

EIGHT B.PHARM. STUDENTS ARE SELECTED TO ATTEND THE INTERNATIONAL INTERNSHIP KHON KAEN UNIVERSITY, THAILAND.

The Faculty of Pharmacy at the University of Puthisastra is pleased to announce the selection of 8 outstanding female students for an exciting 1-month internship opportunity at the prestigious Faculty of Pharmaceutical Sciences, Khon Kaen University (KKU), Thailand. This incredible opportunity will take place from March 26 to April 26, 2025, and is a testament to the hard work, dedication, and academic excellence these students have demonstrated throughout their studies.


The following students have been selected for this prestigious internship program:

1. Darika Seng
2. Heng Mealea Ouk
3. Lalin Khov
4. Kimlang Lach
5. Elay Chhay
6. Rotnorphea Kang
7. Mealadey Tang
8. Kimchou Chim


This internship will provide these students with the unique opportunity to gain hands-on experience and deepen their understanding of the pharmaceutical sciences in an international setting. It will also allow them to expand their professional network, learn from experts in the field, and engage in collaborative projects that will enhance their skills and knowledge in various aspects of pharmacy. The University of Puthisastra takes great pride in the achievements of its students, and these 8 students are a shining example of the high standards of excellence. This achievement is not only a reflection of their academic dedication but also a representation of their ambition to make meaningful contributions to the global pharmaceutical community. We wish them the best of luck as they embark on this incredible journey. Their dedication and passion for pharmacy will undoubtedly bring them success and open doors for a bright future in the field.

DR. TAM SAKIRIN'S RESEARCH ON DEEP LEARNING FOR MEDICAL IMAGE CLASSIFICATION PUBLISHED IN EDRAAK





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Research Article
Application of Deep Learning and Transfer Learning Techniques for Medical Image Classification


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ABSTRACT

The advancements in deep learning (DL) and transfer learning (TL) have transformed artificial intelligence, particularly in image classification. This research examines the theoretical foundations of DL and TL, focusing on their applications in medical image classification, specifically distinguishing between COVID-19, viral pneumonia, and normal lung conditions. By leveraging GPU-enabled high-performance computing and large labeled datasets, DL models particularly Convolutional Neural Networks (CNNs) such as ResNet50 and VGG16 have achieved superior accuracy compared to traditional machine learning methods. This study explores feature extraction using pre-trained models, the implementation of classifiers like Support Vector Machines (SVM) and K-Nearest Neighbors (KNN), and the integration of multi-view learning techniques, such as early fusion. The results demonstrate the effectiveness of DL and TL in improving classification performance, highlighting their significant potential to advance global healthcare diagnostics.

1. INTRODUCTION

The rapid advancements in machine learning (ML) and deep learning (DL) have significantly transformed artificial intelligence (AI), particularly in the field of image classification. DL models, particularly Convolutional Neural Networks (CNNs), have demonstrated remarkable accuracy, often surpassing human capabilities in complex classification tasks. This progress has been driven by several key factors, including the increasing availability of large labeled datasets, improvements in GPU hardware, and the continuous evolution of deep learning architectures.

The Faculty of ICT at the University of Puthisastra is proud to announce that Dr. Tam Sakirin, Dean of the Faculty of ICT, has successfully published his research article titled “Application of Deep Learning and Transfer Learning Techniques for Medical Image Classification” in EDRAAK, a recognized journal in the field of emerging technologies and artificial intelligence. The publication in EDRAAK highlights the Faculty of ICT’s dedication to cutting-edge research and innovation in the fields of artificial intelligence and healthcare technology. It also reinforces the university’s commitment to fostering academic excellence and supporting faculty members in contributing to global scientific advancements.

A VIEWPOINTS PAPER PUBLISHED BY THE FOUNDATION YEAR DEPARTMENT

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Universal health coverage in Cambodia: current status and future prospects

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VIEWPOINTS



Despite improvements in health indices over the past decades, Cambodia faces significant challenges in achieving universal health coverage (UHC). With an effective UHC score of 58 in 2021 – lower than regional neighbours – the country struggles with disparities in health care access, urban-rural inequalities, and rising non-communicable diseases. The health care system continues to be heavily privatised, with out-of-pocket charges accounting for 55% of overall health expenditures in 2021. Although they have increased financial protection, government programs like the National Social Security Fund and Health Equity Funds are still insufficient. Strengthening public health care, decentralising governance, adopting digital health solutions, and establishing a Public Health Commission are crucial steps toward an equitable and effective UHC by 2035.

Congratulations to Mr. SORN Virak, a Foundation Year Programme Coordinator, for having a viewpoint article published in the international journal “Journal of Global Health (JoGH),” which is indexed by WoS and Scopus and ranked as Q1 with an Impact Factor of 4.5 in 2023. JoGH was published by the Edinburgh University Global Health Society, United Kingdom.

The manuscript was accepted for publication in the JoGH journal under the title “Universal health coverage in Cambodia: current status and future prospects,” published in Volume 15, 2025, and it’s available online and free to read and download at: <https://doi.org/10.7189/jogh.15.03016>

We are proud to have such impactful staff shaping our academic and research landscape!

OFFICIAL VISIT TO THE SCIENCE, TECHNOLOGY & INNOVATION NATIONAL LABORATORY



On 28, February 2025, the Department of Science Research of the Faculty of Health Sciences and Biotechnology of the University of Puthisastra (UP) organized an official visit to the Science, Technology & Innovation National Laboratory (STINL). This event happened with the honor participation of Prof. Chea Sin, Vice President of the UP, Ms. Rien Samrithyda, Director of Engagement and Partnership, UP, Mr. Be Sokkeang, Science Research Program Manager, UP and Mr. Say Sinith, Laboratory Science Program Manager, UP with a warm welcome of Dr. YUK Sokunsreiroat, Director of STINL. The main purpose of this visit is to build a relationship, visit the STINL's laboratory, and discuss the possible collaboration between the two institutes.

FY LECTURER MS. MUK LYKEANG PARTICIPATED IN A THREE-MONTH FELLOWSHIP PROGRAM IN ITALY ONCE AGAIN



I am Lykeang, a full-time foundation year lecturer. I am glad to have the opportunity to visit Italy again under the TWAS-SISSA-Lincei Research Cooperation Visit at the International Center for Genetic Engineering and Biotechnology (ICGEB), Bacteriology Laboratory, Trieste, Italy, for three months. Continuing from the previous project that focused on endophytic bacteria in rice roots, my current research focuses on rice colonization and Plant Growth Promotion (PGP) activity, which is essential for enhancing agricultural techniques and fostering sustainable farming practices. Studying rice colonization helps enhance growth, boost disease resistance, improve stress tolerance, support sustainable farming, and develop effective microbial inoculants for better crop productivity.

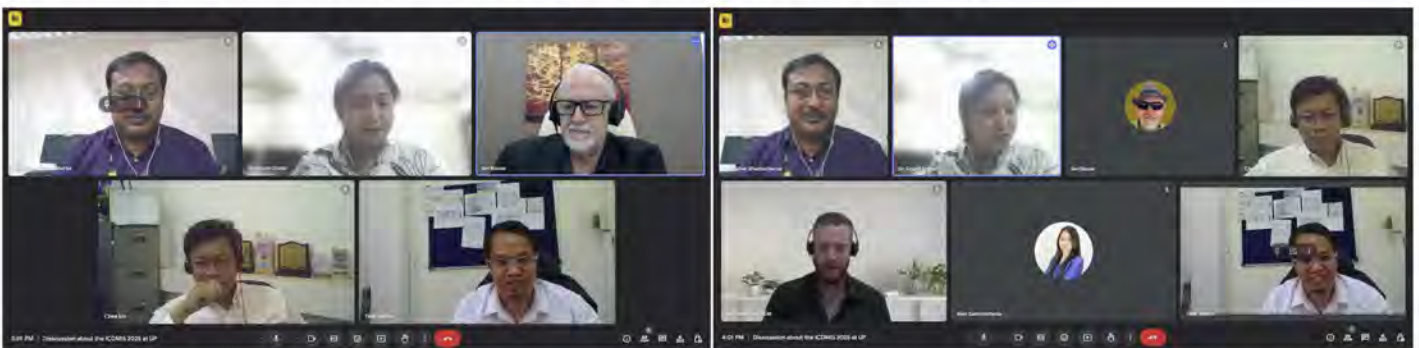
Through the hands-on experience, I have significantly deepened my understanding of scientific methodologies while also improving my critical thinking skills. Overall, this program has enhanced my technical and leadership skills, positioning me to make a meaningful impact in my field and contribute to the advancement of research in endophytic bacteria and agricultural fields in my home country. Each visit brought new challenges and opportunities, allowing me to refine my skills and broaden my perspectives in ways that have shaped my career trajectory. Last but not least, I would strongly recommend youth step out of their comfort zones by participating in the exchange program to visit a foreign country where they may experience new things and learn new cultures.

WORKSHOP ON TRANSFORMING DOCUMENT PROCESSING WITH DEEP LEARNING



The Faculty of ICT at the University of Puthisastra successfully organized a workshop titled "Transforming Document Processing with Deep Learning". We have Mr. Rithsek Ngem, a Software Engineer at Revenue Management Solutions (RMS), USA as a speaker. The workshop covered key topics, including the transition from traditional computing to machine learning (ML) and deep learning (DL), the application of DL in document processing, and the available open-source models and tools. Our speaker highlighted how deep learning has revolutionized tasks such as Optical Character Recognition (OCR), Document Layout Analysis, Document Classification, and Information Extraction. He also introduced state-of-the-art models such as LayoutLMv3 and Document Image Transformer (DiT), which are widely used for document AI. A significant portion of the discussion focused on the challenges of processing Khmer text documents. Mr. Ngem emphasized the need for high-quality Khmer OCR datasets and the difficulties posed by complex script structures. He suggested potential solutions such as fine-tuning existing OCR models like Tesseract and TrOCR and creating custom datasets for Khmer-language document processing. Participants were also introduced to practical tools such as Marie-AI, an open-source document processing solution used at RMS, and other AI-driven resources from Hugging Face, Microsoft, and Google Colab. The session concluded with an engaging Q&A, where attendees explored the future of document AI and industry applications. This workshop reaffirmed the Faculty of ICT's commitment to equipping students with cutting-edge AI knowledge and fostering collaboration between academia and industry experts.

MEETING DISCUSSED HOSTING THE 2ND INTERNATIONAL CONFERENCE ON DATA MINING AND INFORMATION SECURITY (ICDMIS 2025).



Delegation and Faculty of ICT from the University of Puthisastra (UP) recently held a meeting with representatives from the International Knowledge Research Foundation to discuss the possibility of hosting 2nd International Conference on Data Mining and Information Security (ICDMIS 2025). The meeting aimed to explore collaboration opportunities between UP and International Knowledge Research Foundation in organizing a high-impact academic conference. This event is expected to bring together researchers, academicians, and industry professionals to exchange knowledge and insights on emerging trends and advancements in various fields, particularly in technology and innovation. The meeting concluded on a positive note, with both the UP and International Knowledge Research Foundation agreeing to further develop the conference proposal and outline the necessary steps for successful implementation. Further discussions and planning sessions will be held to finalize the details. This initiative aligns with UP's ongoing efforts to position itself as a leading institution in higher education and research, while also contributing to the growth and development of Cambodia's academic landscape.

FINAL ASSESSMENT FOR ICT STUDENTS



The Faculty of ICT at the University of Puthisastra recently conducted final assessments for Semester 1, where students showcased their knowledge and skills through project presentations and examinations. As part of the semester-end evaluation, ICT students undertook summative assessments, including UPOP system examination and project presentations.

These assessments aimed to measure students' comprehension, critical thinking, and problem-solving abilities across various subjects. and skills through project presentations and examinations.

The completion of Semester 1 assessments marks a significant milestone in the academic journey of ICT students, setting a strong foundation for their upcoming coursework. The Faculty of ICT remains committed to fostering an engaging learning environment that bridges academic knowledge with industry requirements

FACULTY OF ICT MEETING WITH TUX GLOBAL INSTITUTION TO REINFORCE THEIR MEMORANDUM OF UNDERSTANDING (MOU)



KEY ACHIEVEMENTS

1. Our student had win Smart Start Hackathon Entrepreneur Winner and Second stage of Digital Entrepreneur organized by Youth21 and MoEYS in 2021 and 2022
2. UP substantially exceeds Cambodia's Digital Skill Roadmap requirements
3. Excellent Student Outcomes – 100% employment rate before their graduate
4. Average salary of UP graduates \$521. Higher than market – even before they have graduated!
5. International recognition – UP programs recognized as International Quality
6. UP IT dept has top quality Q1 research publications
7. IT staff are highly qualified, 32% with PhD and 68% with Masters degrees. Compared to just 8% at other Cambodian universities





The Faculty of ICT recently held a meeting with Tux Global Institution to reinforce their Memorandum of Understanding (MoU) and discuss mutual updates. The meeting aimed to strengthen academic collaboration, explore new opportunities, and enhance cooperation in technology-driven education. During the discussion, both parties shared updates on their recent initiatives, research developments, and upcoming projects.

The Faculty of ICT emphasized its commitment to fostering industry-academia linkages, ensuring students gain practical experience and exposure to global technological advancements.

Representatives from Tux Global Institution expressed their enthusiasm for expanding the partnership and working closely with the faculty to drive innovation and knowledge sharing. This strengthened collaboration is expected to create more opportunities for students and faculty members, contributing to the advancement of digital education and research initiatives. Both institutions look forward to future engagements and continued cooperation.

INTERNSHIP ORIENTATION FOR MD YEAR 7 BATCH 8

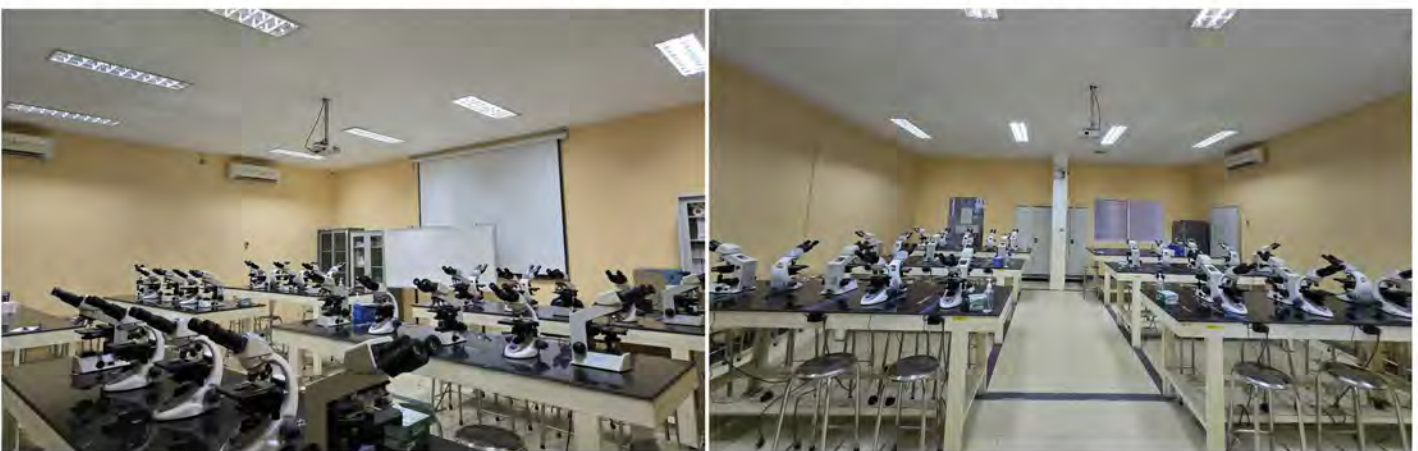


Faculty of Medicine organized and provided the internship orientation to the medical students in year 7, batch 8 who will start their first internship rotation in the end of the March, 2025. The topic included Internship Policy, Internship Logbook, Writing Long Case Report, and Internal Exit Examination after they complete the first rotation.

This year, we invited the representatives from our partnership hospitals such as the Sunrise Japan Hospital and Hebron Medical Center to share about hospital background, rules and regulations, work schedules, and the expectation from their internship if they choose to do the clinical rotation in the hospitals.

We really appreciate the Faculty of Medicine and speakers from the hospitals who have made the orientation effective so our students can be well prepared for their internship.

FACULTY OF MEDICINE ENHANCES LEARNING WITH NEW MICROSCOPES!



The Faculty of Medicine received and installed 15 brand-new microscopes to the lab room H03. This addition brings our total number of microscopes to 30, marking a major step forward in advancing the quality of education and research for our students.

These microscopes will provide our students with even more opportunities to practice, learn, and conduct research, helping them develop the skills and proficiency needed to excel in their medical careers. We hope that our students will gain a deeper understanding of medical sciences and be better prepared to meet the challenges of modern healthcare.

This investment reflects our commitment to providing education and fostering a culture of innovation and excellence at the University of Puthisastra. We look forward to seeing the incredible achievements our students will make with these new tools at their disposal.

FACULTY OF MEDICINE PRODUCING THE EDUCATIONAL VIDEO FOR THE OSCE SIMULATION TRAINING



The OSCE simulation training in the history-taking and physical examination on the abdomen and respiratory systems are for the Year-2 and -3 medical students. In order to enhance their understanding, the Faculty of Medicine has developed instructional videos that students can watch before practicing in pairs under the supervision of instructors.

These videos provide significant advantages in developing clinical skills. They allow students to observe practical demonstrations of essential competencies, including patient interaction, history-taking, physical examination techniques, and communication skills. Additionally, OSCE videos serve as a self-assessment tool, enabling students to compare their performance with model demonstrations and identify areas for improvement. Since the videos can be accessed multiple times, students have the flexibility to review them whenever needed.

Overall, OSCE videos are a valuable educational resource for reinforcing clinical knowledge and enhancing practical skills. We would like to extend our gratitude our students, Miss Thea Sereyvichra and Lin Yoau Mey, for their participation in these training videos.

TWO MD THESES ARE SUCCESSFULLY DEFENDED



Topic: Factors Linked to Alcohol Drinking in Patients with Chronic Diseases in Cambodia was successfully defended by Ms. Tep Sovanvorleak, Ms. MAO Soukean, and Ms. LY Chourng Ay
 Their study, guided by Supervisor Dr. YI Siyan, looked at data from 1,600 patients in urban and rural health centers. They found that over one-third of patients drank alcohol in the past year, especially men, younger people, and those with high blood pressure or migraines. The research shows the need for doctors to talk about alcohol use when treating chronic diseases.

Topic: Ovarian Cysts: Insights from Khmer-Soviet Friendship Hospital (2019)
 A recent study conducted at the Gynecology Department of Khmer-Soviet Friendship Hospital in 2019, written by OUM Roza, CHIP Somaly, and RED Keamrit, and supervised by Dr. YENN Roumany, MDS, examined 176 cases of ovarian cysts, revealing key insights into their epidemiology, clinical presentation, and treatment.
 The student's findings highlight the need for increased access to minimally invasive surgical techniques in resource-limited settings.

MEDICAL STUDENTS PARTICIPATED IN THE MISSION FOR HEALTH SCREENING IN BATTAMBANG PROVINCE



The 22 medical students from University of Puthisastra, along with 28 medical students and 7 medical doctors from National University of Singapore conducted a health screening in Srae Ou, Battambang Province. The 5-day mission, which was supported by Project SOTHEA, was to provide services like door-to-door surveys, health screenings, visual acuity tests, physiotherapy, medication, dental check-ups, and education on hygiene and disease prevention.

The door-to-door surveys helped students to understand the villagers' health behaviors, the education on clean water, lifestyle changes, and disease prevention. The activities of the health screenings included taking vital signs, medical consultations, physiotherapy, and prescribed medication, vision checks and free spectacles, and referred patients with severe issues for surgery.

The program emphasized community collaboration, education, and accessible healthcare, leaving the volunteered inspired to continue advocating for better healthcare in rural areas.

DEAN OF DENTISTRY COMPLETES DAAD IDC COURSE



Prof. Dr. Anand Marya the Dean of Dentistry was selected among 28 other deans selected from all over Southeast Asia for the DIES International Deans' Course (IDC)-SEA 2024/25 in Germany organized by the German Academic Exchange Service (DAAD), the German Rectors' Conference (HRK), the Osnabrück University of Applied Sciences and the Centre for Higher Education (CHE). The acceptance rate of this highly sought-after program is less than 10 percent, and a South East Asian cohort is selected only once every two years. The IDC is a joint initiative by the German Rectors' Conference (HRK), the German Academic Exchange Service (DAAD), the Alexander von Humboldt Foundation (AvH), the Centre for Higher Education (CHE), Freie Universität Berlin, and the Osnabrück University of Applied Sciences. This intensive training course is part of the DIES programme (Dialogue on Innovative Higher Education Strategies), which is jointly coordinated by DAAD and HRK and funded by the Federal Ministry for Economic Cooperation and Development (BMZ).

The key objectives of the course were to discuss key issues such as strategic faculty management, financial management, quality assurance, research, project planning, employability, governance and leadership. Heartfelt gratitude to the funding agencies, mentors and colleagues for providing such a wonderful learning experience.

After a year of training and multiple modules spread across two cities in Germany, an online module and the final module in Hanoi Professor Anand has finally completed the DIES International Deans' Course (IDC)-SEA 2024/25 organized by the German Academic Exchange Service (DAAD), the German Rectors' Conference (HRK), the Osnabrück University of Applied Sciences and the Centre for Higher Education (CHE).

AUSTRIAN STUDENTS' VISIT UP



In February, 6 students from Danube Private University, Krems an der Donau, Austria, visited UP for a short exchange visit. The students were given a tour of the campus and the dental facilities to provide them with a deeper understanding of dental education in Cambodia. The students were also given a tour of the UP-Health Centre facilities so that they could see the types of treatments being offered to patients affected by mild to severe dental problems.

The Faculty of Dentistry offers various treatment options to patients at all levels- student services, general residents, as well as treatments offered by some of the most well-known dental specialists in Cambodia.

FACULTY OF DENTISTRY JOINS THE THAILAND HEALTH AND BEAUTY EVENT



Professor Anand Marya the Dean of the Faculty of Dentistry and Mr Andrew Sinclair the Director of Health Services at UP were invited by the Office of Commercial Affairs, Royal Thai Embassy to join the organizing Thai - Cambodia Business Matching "Health and Beauty Products" on 6th March 2025 at the ballroom of Raffles Hotel Le Royal in Phnom Penh. This pivotal event was hosted by Mr. Nirawat Rangseekanjana, Minister Counsellor (Commercial) at the Royal Thai Embassy in Phnom Penh, and aimed to foster deeper business relationships and expand networks between Thai and Cambodian companies within the thriving health and beauty sector.

His Excellency Samheng Bora, Secretary of State of the Ministry of Commerce, chaired the Cambodia-Thailand Business Matching event on "Health and Beauty Products," which was attended by Ek-on Khunacharoeun, Chargé d'Affaires ad interim of the Royal Thai Embassy.

According to a statement from the Ministry of Commerce, several representatives from the private health and hospital sectors of Cambodia and Thailand attended the event on 6 March at the Raffles Hotel Le Royal in Phnom Penh.

YEAR 7 DENTAL STUDENTS VISITING DENTAL CLINIC AS A PRACTICE MANAGEMENT ASSIGNMENT



Assigned Year 7 UP dental students an exciting visiting Clinic Operation Observation project as a class requirement. As part of this, students were allowed to visit renowned dental clinics such as IMI Dental Clinic, Star TK Dental Clinic, and Bell Dental Clinic. We want to express our sincere appreciation to IMI Dental Clinic, Star TK Dental Clinic, and Bell Dental Clinic for graciously hosting the students, and providing them with a valuable chance to observe daily operations.

This firsthand experience allowed the students to engage with patient interactions and observe various dental procedures, all while appreciating the clinics' high standards of care and professionalism.

The experience has greatly enhanced their practical understanding of dentistry, and we are truly thankful for the commitment of these clinics in shaping the future of dental professionals.

CONGRATULATIONS AND WELCOME TO 91 NEW DENTAL STUDENTS!



We are thrilled to welcome 91 talented students who have successfully passed the National Entrance Exam and secured their place in the Faculty of Dentistry for the Academic Year 2024-2025 at the University of Puthisastra |UP. This marks the beginning of an exciting journey toward excellence in dentistry.

We look forward to seeing you grow, learn, and make a meaningful impact in the field of oral healthcare. Welcome to the UP Family!

JOIN US FOR WORLD ORAL HEALTH DAY 2025 AT UP!



The Faculty of Dentistry at the University of Puthisastra is proud to host a special event in celebration of World Oral Health Day (WOHD) 2025 on March 20th, from 4:00 – 5:00 PM, outside the UP Health Center. With the theme "A Happy Mouth is... A Happy Body," this event aims to raise awareness about the importance of oral health and its impact on overall well-being. Oral diseases remain a major public health concern in Cambodia, and through this initiative, UP seeks to educate, engage, and empower the community with essential oral health knowledge and practices.

This year's event will feature:

- Oral Health Education & Live Demonstrations – Learn the best oral hygiene practices from our dental students and faculty.
- Free Distribution of Toothbrushes & Toothpaste – Promoting daily oral care for a healthier smile.
- Engaging Activities & Giveaways – Participants will have the chance to win exciting prizes through the interactive Wheel of Fortune game.

We extend a warm invitation to all UP staff and students to join us for this important event. Your participation will contribute to spreading awareness and fostering a healthier community.

📍 Location: Outside the UP Health Center

📅 Date: March 20, 2025

🕒 Time: 4:00 – 5:00 PM

Let's work together to promote oral health and make a difference!

UP'S MEDICAL LABORATORY STUDENTS VISITED MEDICAL LABORATORY OF LUANG MAE HOSPITAL



On March 7th, 2025, the Department of Laboratory Sciences, of the Faculty of Health Sciences and Biotechnology, of the University of Puthisastra (UP) conducted a study tour for associate students in Medical Laboratory Technology (ADL) to the Medical Laboratory of Luang Mae Hospital.

The purpose of this visit is to strengthen students' capacity and recognize the testing in medical laboratory and laboratory quality control. The Department of Laboratory Sciences, UP would like to thank the Medical Laboratory of Luang Mae Hospital for a great chance to be allowed and spending your precious time teaching our students.

UP'S HEALTH SCIENCES AND BIOTECHNOLOGY ATTENDED THE WORKSHOP ON "DEVELOPING AND MANAGING LABORATORY DOCUMENTS IN COMPLIANCE WITH ISO 15189"



On March 10th, 2025, the lecturers and staff members of the Faculty of Health Sciences and Biotechnology of the University of Puthisastra (UP) attended a workshop on "Developing and Managing Laboratory Documents in Compliance with ISO 15189" at the Bayon Hall of the National Institute of Public Health (NIPH). The workshop was organized by the National Reference Medical Laboratory (NRML) of NIPH with honor speakers such as Asst. Prof. Dr. Chau Darapheak, Chief of NRML, Ms. Pa Kimsorn, ISO Team Leader, and Mr. Phoeurn Sophea, ISO OPD team lead and document control officer. The key objectives are:

1. Understanding the document management system, along with the roles and responsibilities of the document management officer
2. Learning the document management system following ISO 15189 requirements
3. Developing methodologies for writing Standard Operating Procedures (SOPs)
4. Implementing document management systems in laboratories
5. Ensuring proper document management and record-keeping.

SECOND CHANCE AT UP WITH SCIENCE RESEARCH PROGRAM



On March, 10th and 13th 2025, the Department of Science Research cooperated with the Department of English and the Department of Information Technology of the University of Puthisastra (UP) to organize an Orientation entitled "Second Chance with UP" which was held at Hall H and B of UP. This event was conducted mainly for the students who were not successful in the National Entrance Exam in Health Sciences Program however they are willing to continue studying in UP. The details of Science Research programs were presented including the curriculum, internship/clerkship nationally and internationally, and extra activities in the program. Students also were open to questions and answers about their interested programs in UP.

•Science Research Program open for registration until March, 30th 2025

•Link for Registration <https://uperp.puthisastra.edu.kh/registration>

For more information about University of Puthisastra Telegram: <https://t.me/UPadmission>

MS. LY VOUCHNEA EXPANDS KNOWLEDGE OF ECZEMA AT CLINICAL PHARMACY STUDY CLUB



On Thursday, March 6, 2025, Ms. Ly Vouchnea, a full-time pharmacist at UP Pharmacy, contributed significantly to the Clinical Pharmacy Study Club at the Faculty of Pharmacy, University of Puthisastra, by presenting an insightful session on Eczema. The presentation aimed to enhance the club members' understanding of this common skin condition and provided them with valuable knowledge to support their professional growth.

During the session, Ms. Vouchnea expertly covered several key aspects of eczema, explaining them in detail to the attendees:

1. Definition of Eczema
2. Clinical Features
3. Etiology and Risk Factors
4. Diagnosis and Classification
5. Treatment and Management
6. Prevention Strategies and Patient Education

By providing such comprehensive insights into eczema, Ms. Vouchnea not only broadened the knowledge base of the Clinical Pharmacy Study Club members but also enriched their clinical practice with evidence-based approaches to diagnosis and management.

This session was an invaluable learning experience for the participants, and the Faculty of Pharmacy is grateful for Ms. Vouchnea's time and dedication in sharing her expertise. The Faculty of Pharmacy looks forward to more such interactive and educational sessions that contribute to the development of future pharmacy professionals.

CONGRATULATIONS TO MRS. UNG HUYKHM ON HER PROMOTION TO ASSISTANT DEAN OF THE FACULTY OF PHARMACY



The Faculty of Pharmacy at the University of Puthisastra is thrilled to congratulate Mrs. Ung Huykhim on her well-deserved promotion to the position of Assistant Dean of the Faculty. This new role marks an exciting milestone in her distinguished career, and the entire faculty is confident that she will continue to make significant contributions to the advancement of pharmacy education.

Mrs. Ung Huykhim's leadership, dedication, and unwavering support for students have always been evident throughout her time at the university. Her promotion to Assistant Dean is a reflection of her commitment to fostering a strong academic environment and providing guidance to students, particularly those who share the faculty's vision of advancing the field of pharmacy education.

As Assistant Dean, Mrs. Ung Huykhim will play a vital role in shaping the future of the Faculty of Pharmacy, working alongside the faculty members, staff, and students to drive innovation and academic excellence.

We are excited to witness her continued success in this new chapter of her career, and we look forward to her ongoing support and leadership in shaping the future of pharmacy education at the University of Puthisastra.

Once again, congratulations, Mrs. Ung Huykhim, and best wishes for success in all your future endeavors.

CLINICAL PHARMACY CLUB MEMBERS PARTICIPATE IN A STUDY TOUR AT UCARE PHARMACY



The Clinical Pharmacy Club of the Faculty of Pharmacy at the University of Puthisastra organized a study tour to the head office of UCare Pharmacy, offering 20 club members an exceptional opportunity to gain insight into pharmacy operations in a professional setting. The tour was led by Mr. Hem Mengkhim, Coordinator of the Clinical Pharmacy Club, and was supported by a team of experts from UCare Pharmacy, including Ms. Sophie, Pharmacy Development Manager, Ms. Chuon Naren, Assistant Pharmacy Manager, and Ms. Elinoy, Quality Management Intern.

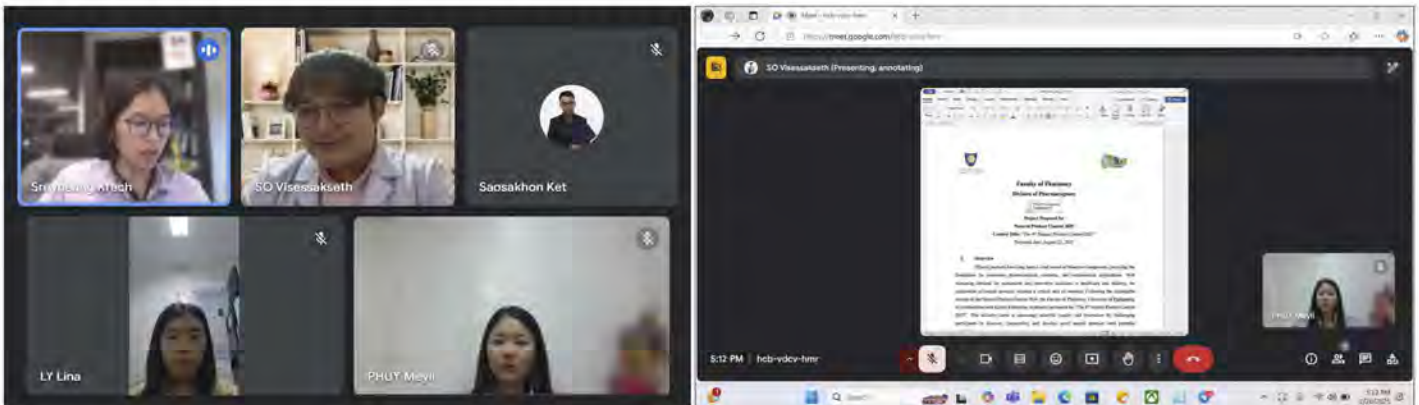
The session began with a presentation by Mr. Sngoun Ratha, Senior Human Resources Officer at UCare Pharmacy, who introduced the company's policies, vision, and operational processes. This gave students a comprehensive understanding of how UCare Pharmacy operates and its commitment to quality service.

Following the presentation, Ms. Chuon Naren guided the group on a tour of one of UCare Pharmacy's working pharmacies, where the students had the chance to observe the workflow and organization of a busy pharmacy setting. Through this enriching study tour, the Clinical Pharmacy Club members gained valuable knowledge and experience, including:

1. Understanding the Role of a Pharmacist: Students learned about the diverse responsibilities of a pharmacist in a standard pharmacy environment.
 2. Insights into the Recruitment Process: Students were introduced to UCare Pharmacy's recruitment process and what they look for in potential employees.
 3. Learning about UCare Pharmacy's Vision and Goals: The visit allowed students to understand the pharmacy's long-term goals and its contributions to the healthcare sector.
 4. Daily Responsibilities of a Pharmacist: Students observed the daily tasks and responsibilities of pharmacists working at UCare Pharmacy.
 5. Store Organization: The group also had the opportunity to observe how the pharmacy organizes its products, including pharmaceuticals, cosmetics, and minimart items, based on the store's size and layout.
- The Faculty of Pharmacy would like to extend their sincere gratitude to Ms. Sophie, Ms. Chuon Naren, Ms. Elinoy, Mr. Sngoun Ratha, and the entire UCare Pharmacy team for their warm hospitality and valuable time spent in organizing this insightful visit.

This study tour has provided the students with a deeper understanding of the pharmacy profession and the daily workings of a successful pharmacy business. We look forward to more such opportunities that will continue to enhance our students' educational experience.

PREPARATION FOR THE 2025 NATURAL PRODUCTS CONTEST DISCUSSED IN MEETING WITH KHMER ENTERPRISE



Dr. So Visessakseth, Head of the Pharmacognosy Department at the Faculty of Pharmacy, University of Puthisastra, held a productive Zoom meeting with two staff members from Khmer Enterprise to discuss preparations for the upcoming Natural Products Contest in 2025.

During the meeting, Dr. Visessakseth presented the project proposal for the contest and highlighted its key objectives. The contest is designed to promote innovation and sustainability in Cambodia's natural products industry, with a specific focus on products that benefit consumer health. The aim is to foster creativity in developing new, sustainable products while encouraging the use of natural resources for the betterment of public health.

Furthermore, the competition also aims to support students in enhancing their research skills and fostering teamwork. These objectives align with the broader goals of the contest, which seeks to not only create market-ready products but also nurture the next generation of leaders in the field of natural product innovation.

CONGRATULATIONS TO THE 12 GROUPS OF 4TH-YEAR BACHELOR OF PHARMACY STUDENTS FOR COMPLETING THEIR SEMESTER-1 CLERKSHIPS



The Faculty of Pharmacy at the University of Puthisastra extends heartfelt congratulations to the 12 groups of 4th-year Bachelor of Pharmacy students who successfully completed their semester-1 clerkships at some of Cambodia's most esteemed hospitals and laboratories. The students had gained practical experience at the Khmer-Soviet Friendship Hospital, National Pediatric Hospital, Cho Ray Phnom Penh Hospital, Cambodia-China Friendship Preah Kossamak Hospital, Preah Ang Duong Hospital, Kuntha Bopha Hospital, VS Medical Laboratory, and I.S Premium Laboratory. These clerkships have provided our students with invaluable opportunities to apply their academic knowledge, develop their professional skills, and enhance their understanding of the pharmacy field in real-world settings.

The Faculty of Pharmacy would like to express its sincere appreciation to the professors and preceptors at these hospitals and laboratories for their unwavering commitment to the education and professional development of our students. We are deeply grateful for the time, attention, guidance, and mentorship they provided throughout the clerkship process. Their dedication to shaping the next generation of pharmacists is truly commendable.

We are confident that the experience and knowledge gained during these clerkships will play a significant role in the students' future success as pharmacists.

TWO MASTER OF MEDICAL BIOLOGY STUDENTS BEGIN CLERKSHIP AT THE NATIONAL INSTITUTE OF PUBLIC HEALTH



Two second-year students enrolled in the Master of Medical Biology program at Puthisastra University began their clerkship at the National Institute of Public Health's laboratory. The clerkship is scheduled to last for two months, with the students working every morning and afternoon from Monday to Friday.

This clerkship is an essential part of the students' academic journey, allowing them to gain valuable hands-on experience in the field of medical biology while working alongside experts at the National Institute of Public Health. It provides an opportunity for the students to develop their practical skills and deepen their understanding of laboratory work in the public health sector.

The Faculty of Pharmacy at Puthisastra University extends its deepest gratitude to the professors and clerkship supervisors at the National Institute of Public Health. Their commitment to training, monitoring, and evaluating the students' progress plays a crucial role in shaping the students' educational experience and professional growth.

PHARMA-CAREER CLUB HOSTS SHARING SESSION ON "EXPLORING PHARMACY PATHS: CAREERS, SCHOLARSHIPS, AND INTERNSHIP OPPORTUNITIES"



On Friday, February 28, 2025, the Pharma-Career Club of the Faculty of Pharmacy at the University of Puthisastra organized an insightful sharing session titled "Exploring Pharmacy Paths: Careers, Scholarships, and Internship Opportunities", led by Ms. Phuy Meyli, a distinguished faculty lecturer at the University.

During the session, Ms. Phuy Meyli shared her extensive knowledge and experience regarding the diverse career paths available within the pharmacy field, scholarship programs, and potential internship opportunities. The aim of this session was to help students navigate their future professional journeys and provide valuable guidance in securing opportunities for their academic and career advancement.

Key Benefits of Attending:

- Gain insights into diverse career paths and opportunities within the pharmacy field.
- Learn about scholarship programs that can ease the financial burden of academic studies.
- Connect with experts and professionals in the pharmacy industry for future guidance and networking.

The session proved to be an excellent platform for students to gather information, ask questions, and plan for their future endeavors in the pharmacy profession.

The Pharma-Career Club looks forward to hosting similar events that will continue to empower students by expanding their horizons and providing them with the resources needed to succeed in their careers.



A special thank you was given to the Sunrise Charity Foundation for their generosity, love, and the Appreciation Award. She noted that this recognition further fuels her passion for community service, and she remains committed to continuing this important mission in the future.

CHEM Winosa expressed her thanks again for the support she received and looks forward to contributing further to these impactful initiatives in the years to come.

PHARMACY STUDENTS' CONTRIBUTION TO CATARACT SCREENING AND SURGERY AT PREK RUSSEY HEALTH CENTER



On March 6 and 7, 2025, three 5th-year pharmacy students from the University of Puthisastra—Heang Vengkeang, Choeurn Ranny, and Keo Danet volunteered in a cataract screening and surgery program at Prek Russey Health Center.

Their role involved measuring blood pressure and blood sugar levels of patients, ensuring their suitability for surgery.

This initiative provided students with hands-on experience in patient care, enhancing their practical skills and understanding of community health challenges. Their participation underscores the vital role pharmacy students can play in broader healthcare services.

The Faculty of Pharmacy expresses gratitude to Dr. Vireak Khloth Chea, CEO of PillTech Solutions Co. Ltd., for facilitating this opportunity.

Through such programs, students gain real-world exposure while making a meaningful impact on public health.

PHARMACY FACULTY MEMBER AND STUDENTS PARTICIPATE IN HEALTH CHECK-UP PROGRAM WITH THE SUNRISE CHARITY FOUNDATION IN KAMPONG CHHNANG PROVINCE



Pharmacy faculty member and six pharmacy students from the University of Puthisastra participated in a charity health check-up and medicine distribution program organized by the Sunrise Charity Foundation. The event took place at Trapeang Thar Primary School, located in Kampong Chhnang Province.

During this program, over 330 patients from the village received health check-ups and medications. The pharmacy member and students played a pivotal role in guiding patients and ensuring proper medication usage. They emphasized the 5R principles in medicine administration, which are essential for patient safety and effective treatment:

1. Right Patient
2. Right Drug
3. Right Dose
4. Right Route
5. Right Time

The team of pharmacists and pharmacy students contributed greatly by providing education and support, helping patients understand the proper use of their prescribed medications. Their involvement not only enhanced medication adherence but also helped improve the overall health and well-being of the local community.

The University of Puthisastra would like to express gratitude to the Sunrise Charity Foundation for their continued efforts in supporting communities through such charitable health initiatives.

UP PHARMACY STAFF JOINED A WEBINAR ON A BRIEF REVIEW OF TRADITIONAL CURING PRACTICES IN CAMBODIA



On March 7, 2025, Ms. Eng Poliny, UP Pharmacy Manager, joined a Center for Khmer Studies (CKS) webinar on A Brief Review of Traditional Curing Practices in Cambodia, presented by Mr. Sokro Suong, a CKS dissertation research fellow.

In this presentation, Poliny learned about the evolution of the healthcare sector and traditional medicine in Cambodia, from the pre-Angkor period to the reign of King Jayavarman VII in the 12th century and up to the present. Traditional medicine refers to medical practices involving the use of herbal plant remedies, minerals, and animal substances.

Traditional Khmer medicine is closely tied to beliefs, religions, and the spirituality of the people. Cambodian traditional medicine has been passed down through generations.

After examining Cambodian therapeutic practices and their representations over a long period of time, we can say that traditional medicine has played a vital role in Cambodian society for centuries. It is deeply rooted in the country's cultural, spiritual, and historical heritage.

UP'S WOMEN JOINED THE SOMA INITIATIVE TALK PROGRAM ON "GYNECOLOGICAL CARE"



On March 6, 2025, the UP-pharmacy manager, along with other female staff from UP, participated in the Soma Initiative Talk Program, which was organized in celebration of International Women's Day and focused on the topic of "Gynecological Care." The event took place at TheCommune.

This program aimed to raise awareness about gynecological health, specifically female vaginal discharge, to help prevent various diseases and empower young women to openly discuss and consult with doctors without shame.

We truly appreciate the Soma Group and Dr. Nuth Sodara from Orienda International Hospital for hosting and leading this special talk. The event went well despite it being their first time hosting, and we hope to have more opportunities to join similar informative sessions in the future.

UP PHARMACY MANAGER PARTICIPATES IN WOMEN'S RUN 10K



On March 8, 2025, the UP-Pharmacy Manager participated in the Women's Run 10K to celebrate International Women's Day. The race was organized by the National Olympic Committee of Cambodia (NOCC) in collaboration with Sovannaphum Life Assurance Plc under the theme "Run Forward for Women."

The event took place in front of Wat Botum Votey Park from 5:00 AM. This race was one of the key sporting events aimed at raising awareness about gender equality through sports, particularly running, which is a popular activity that does not require prior training or experience.

Every step, from the starting line to the finish line, proved the resilience and commitment women hold. Congratulations to all the women who completed the race.

Women can do anything they set their minds to. We are proud to be women.

SEMINAR PRESENTATIONS BY MASTER'S STUDENTS IN PHARMACEUTICAL SCIENCE AT THE FACULTY OF PHARMACY, UNIVERSITY OF PUTHISAISTRA



On March 10, 2025, four students from the Master of Pharmaceutical Science program at the Faculty of Pharmacy, University of Puthisastra, presented their seminar on the findings from their Study Tour 2025 via Google Meet. Each student shared insights on a distinct topic, which was evaluated by the Faculty of Pharmacy committee members:

1. Ms. Ngor Senghorn presented on Medication Use Review among Adults in Ratanakiri Province, focusing on the assessment and optimization of medication use within this specific population.
2. Mr. Phalla Sovannrith discussed Antimicrobial Resistance (AMR) Interventions in Kompong Cham Province, addressing the growing concern of AMR and examining local efforts to mitigate its spread.
3. Mrs. Beun Channary presented on Quality Control Systems in Pharmaceutical Product Manufacturing (PPM), highlighting the critical role of quality control in ensuring the safety, efficacy, and consistency of pharmaceutical products.
4. Mr. Tek Lyyeen delivered a presentation on Traditional Formulations Used by Traditional Healers in Ratanakiri Province, exploring the integration of traditional medicine with modern healthcare practices in the region.

Each presentation was meticulously evaluated by the committee, providing valuable feedback and insights to the students. The committee also offered recommendations for future research, emphasizing the importance of continued investigation into the topics presented. In particular, further studies on medication use in underserved regions, such as Ratanakiri Province, are recommended to improve healthcare delivery and patient outcomes. Additionally, expanding research on antimicrobial resistance and exploring more localized interventions could contribute significantly to the global effort to combat AMR. For pharmaceutical manufacturing, the committee highlighted the need for more in-depth studies on emerging technologies in quality control systems, which could enhance product safety and efficacy. Lastly, the integration of traditional medicine with modern healthcare practices in remote areas, like Ratanakiri, warrants further exploration to establish effective and culturally sensitive healthcare models.

These research avenues will not only advance the field of pharmaceutical science but also support the development of more efficient and inclusive healthcare solutions in Cambodia and beyond.

THE PARTICIPATION OF MS. PHON SOTHEANY, DOCUMENT MANAGER OF VS MEDICAL LABORATORY, IN THE CLINICAL PHARMACY CLUB OF THE FACULTY OF PHARMACY, UNIVERSITY OF PUTHISAISTRA.



Phnom Penh: Phnom Penh: Monday, March 10, 2025, the participation of Ms. Phon Sotheany, Document Manager of VS Medical Laboratory, in the Clinical Pharmacy Club helped expand the knowledge of the contribution of pharmacists in private laboratories for interpreting results to club members under the topic: The contribution of pharmacists in interpreting results in private laboratories.

Learning Outcomes:

1. Develop the ability to read and interpret laboratory results.
2. Understand the qualifications required to become a pharmacist in private laboratories.
3. Enhance communication skills to effectively support healthcare providers in interpreting laboratory results.

PHARMACY STAFFS ATTEND THE WORKSHOP ON “DEVELOPING AND MANAGING LABORATORY DOCUMENTS IN COMPLIANCE WITH ISO 15189”



Phnom Penh: On Monday, March 10, 2025, Lecturer and staff members of the Faculty of Pharmacy attended a workshop on “Developing and Managing Laboratory Documents in Compliance with ISO 15189” at the Bayon Hall of the National Institute of Public Health.

Key objectives included:

1. Understanding the document management system, along with the roles and responsibilities of the document management officer
2. Learning the document management system in accordance with ISO 15189 requirements
3. Developing methodologies for writing Standard Operating Procedures (SOPs)
4. Implementing document management systems in laboratories
5. Ensuring proper document management and record-keeping.

WELCOMING 150 PHARMACY STUDENTS TO THE FACULTY OF PHARMACY, UNIVERSITY OF PUTHISAstra

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The Faculty of Pharmacy at the University of Puthisastra proudly welcomes 150 outstanding students who passed the National Entrance Exam to study B.Pharm. program at University of Puthisastra. This achievement reflects their dedication, perseverance, and passion for the field of pharmacy. Their selection marks the beginning of an exciting academic and professional journey filled with opportunities for growth and excellence.

This year’s selection process was highly competitive, with many talented candidates applying. Each student chosen has demonstrated exceptional academic ability particularly in Mathematics, Biology and Chemistry. As future pharmacists, they will play a vital role in healthcare, improving patient care and advancing pharmaceutical sciences.

At the University of Puthisastra, students will experience a new curriculum where the foundation year includes lectures (39.57%), small group discussions (27.70%), laboratory skills practice (29.68%), clerkship (3.03%), and self-directed learning. Students will gain expertise in pharmaceutical sciences, clinical practice, medication management, research, ethics, and laboratory techniques. Our laboratories, simulation centers, and research facilities will provide hands-on training to prepare them for real-world pharmaceutical practice. Additionally, our distinguished faculty members are dedicated to guiding them toward academic and professional success.

Pharmacists play a crucial role in ensuring the safe and effective use of medications, advising patients, and contributing to public health initiatives. The new generation of pharmacy students will be instrumental in shaping the future of healthcare in Cambodia and beyond.

With continuous advancements in medications and pharmaceutical sciences, their contributions to research, innovation, and patient care will be essential in addressing healthcare challenges.

To our incoming students, we encourage you to embrace this opportunity with enthusiasm and determination. While the journey ahead may be challenging, it will also be incredibly rewarding. Through collaboration with peers, faculty, and the broader health community, you will gain invaluable experience and build a strong foundation for your future careers.

The faculty of pharmacy is committed to supporting you every step of the way, ensuring you receive the highest quality education and practical training necessary to excel in the field of pharmacy.

We would like to extend our sincere congratulations once again. We are excited to welcome you into our university community and look forward to witnessing your growth and achievements.

Your dedication to excellence, integrity, and service will leave a lasting impact on the healthcare sector. We wish you all success in your studies and future endeavors.

FIP-UNESCO UNITWIN CFE IN WPR MEETING

2. Matters arising
CMA - Mapping FIP's global priorities and projects

The Calls to Action emerged as a result of the **Brisbane Workforce Symposium**, held during the **81st FIP World Congress of Pharmacy and Pharmaceutical Sciences in September 2023**.

The symposium, titled "*Accelerating Towards 2030: Workforce Transformation for Better Health*," was a critical mid-point review of global pharmacy workforce efforts, following the 2016 Nanjing Conference. It sought to evaluate progress, identify gaps, and set clear directions for workforce transformation leading up to 2030.



Agenda for March 12th Meeting 2025

1. Agenda/Apologies (Welcome (Paul/Hanadi))
2. Matters arising(Dalia/Genuine)
3. Summary of Meeting with A/Prof. Lauwo (School of Medicine and Health Sciences) (UPG) [For Information] (Paul/ Chun-Wai)
4. DG19 (Patient Safety): Ownership, Collaborators, Dissemination [Discussion] (Paul/ Chun-Wai/Dalia/Genuine)
5. DG1 (Academic Capacity): Approach, Collaborator, Focus (Paul, Chun-Wai, Dalia, ALL)
6. AOB (PACOP, Open)

Asst. Prof. Chhea Sophearom attended the monthly meeting FIP-UNESCO UNITWIN CFE in WPR. The meeting discussed FIP's global priorities and projects, focusing on aligning them with regional efforts. Genuine Desireh explained a project at FIP Headquarters to connect global and regional work, including creating global competency frameworks led by Sean Leeson. The meeting also looked at aligning these projects with UNESCO's strategy and regional goals.

Dalia Bajis shared updates about new Centers for Excellence in the EMR and Americas. Paul John Gallagher reported on a meeting with the University of Papua New Guinea, which is reviewing its pharmacy curriculum and considering a transition to a six-year Pharm D program.

The university asked for help with curriculum changes, graduate research, and professional accreditation, and was encouraged to join AIM and be part of the Center for Excellence.

For the patient safety project, FIP is creating a survey to assess a micro curriculum based on WHO and FIP guidelines. They will select two implementation sites through an Expression of Interest (EOI).

The academic capacity project will focus on practical training and workshops, using the train-the-trainer model. An adopt-and-adapt strategy will tailor FIP frameworks to meet local needs. The meeting ended with action items to issue the EOI for the patient safety project, raise awareness about the EOI, encourage the University of Papua New Guinea to join AIM, and share academic resources for the academic capacity project.

The next steps will involve ongoing collaboration and adapting projects to local needs.

UNION OF YOUTH FEDERATIONS OF CAMBODIA (UYFC)-UNIVERSITY OF PUTHISAstra (UP) PARTICIPATED IN THE 4TH CAMBODIA 4.0 FORUM ON YOUTH LEADERSHIP IN THE DIGITAL AGE



Nine members of UYFC-UP led by Asst. Prof. Chhea Sophearom attended the 4th Cambodia 4.0 Forum on Youth Leadership in the Digital Age, hosted at BELTEI International University, Chom Chao Branch. The forum, held under the distinguished presidency of HE Deputy Prime Minister Hun Many, gathered approximately 2,300 participants, including senior government officials, business leaders, educators, and students from across Cambodia.

The forum was designed with several key objectives aimed at empowering the youth of Cambodia to take leadership roles in the rapidly evolving digital landscape. These objectives included:

1. Providing Leadership Knowledge and Skills – To equip young people with the confidence and leadership capabilities needed to excel in their careers and contribute to society.
2. Understanding Digital Technology in Leadership and Innovation – To help youth understand how digital technology can be a driving force for leadership and innovation.
3. Opportunities for Discussion with Leaders and Entrepreneurs – To facilitate dialogues between young people, leaders, and entrepreneurs, allowing them to exchange experiences and insights.
4. Digital Safety and Ethical Technology Use – To educate young people on the importance of digital safety and the ethical use of technology in an increasingly interconnected world.
5. Promoting the Role of Digital Technology in Economic Development – To highlight how digital advancements can benefit business networks, boost economic development, and create new opportunities for growth.

The event provided a platform for young leaders to engage in thought-provoking discussions and to learn how they can contribute to a digitally-driven future for Cambodia. UYFC-UP found the forum to be an invaluable experience, gaining new insights and networking opportunities with industry leaders and fellow students.