



FACULTY OF MEDICINE KMITL

King Mongkut's Institute of Technology Ladkrabang

ANNUAL REPORT - YEAR 2021

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Message from President

Uncertainty is dangerous, especially when there is little to no preparation. However, I am pleased that all of our hard work at the Faculty of Medicine, KMITL has paid off. During the COVID-19 pandemic, it was our faculty and university that stepped up to lead in times of despair. We have gone through many adversities to prove that doing something is better than doing nothing. Our efforts with creating new life-saving innovations including personalized respirators, air purifiers, temperature screening devices during the pandemic reflects our promise to the people of our community and our country. While naysayers dismissed our many achievements, we continued to push our boundaries to explore the unthinkable and unimaginable. What we were able to do was inspire our surroundings and lead the way in building our great King Mongkut Chaokhunthahan Hospital. We will use this hospital as a beacon to show that Thai medical doctors and researchers are just as capable, if not more, to develop medical innovations and devices to lessen our dependence on imported medical equipment from abroad.

It is now the time to utilize our presence and make a lasting mark in the landscape of the new normal era. I am proud to be a part of this Faculty and University and support the young medical students of the future as they are our hope to drive Thailand to global success and to become recognized as a powerhouse in health care in the future.

Going beyond the limit is what we do.

Prof. Dr. Suchatvee Suwansawat
President
King Mongkut's Institute of Technology Ladkrabang



Message from Dean

Our world has been greatly affected by the COVID-19 pandemic. As we have all been touched by this deadly enemy, we have also learned many great things about ourselves as a society. We have found that in darkness, we use hope as a beacon of light to guide us through our way. Even before the heaviest onset of the pandemic, we were still sending our students to gain clinical exposure at our affiliated hospitals, we continued to raise funds for our newest healthcare endeavor, the King Mongkut's Chaokhuntharn Hospital (KMC Hospital) with a marathon as well as a watch auction. We even saw the development of our first year students to gain cultural experience with our annual World Culture Class field trip to Buriram and Phnom Rung UNESCO Heritage Sites.

Our activities were then halted by the re-emergence of the COVID-19 pandemic which then led us to become leaders in the fight to prevent deaths in our communities by setting up Thailand's largest Vaccination Centers in Eastern Bangkok. We were able to initiate many healthcare developments through multi-disciplinary collaborations in and among our own university faculties as well as private-sector partners.

As we realized that even the pandemic should not be a barrier to providing international medical education to our students, we all had to embrace online learning and new virtual approaches to ensure that our students, staff and instructors were all still connected.

Overall, it has been a challenging year for everyone, however, with the resilience of our team, our faculty and of course, our students, we have emerged wiser and stronger to get us through life's most difficult times.

On behalf of the Faculty of Medicine, we wish you continued health and safety.

Prof. Anan Srikiatkhachorn, M.D.
Dean
Faculty of Medicine
King Mongkut's Institute of Technology Ladkrabang



Vision & Mission

Our vision at the Faculty of Medicine at KMITL is to be a global medical school focusing on technology and innovation in health care. Our mission is then 1) to provide medical education of international standard and 2) to create technology and innovation for better health care of the nation.

Knowledge
Morality
Innovation
Technology
Leadership

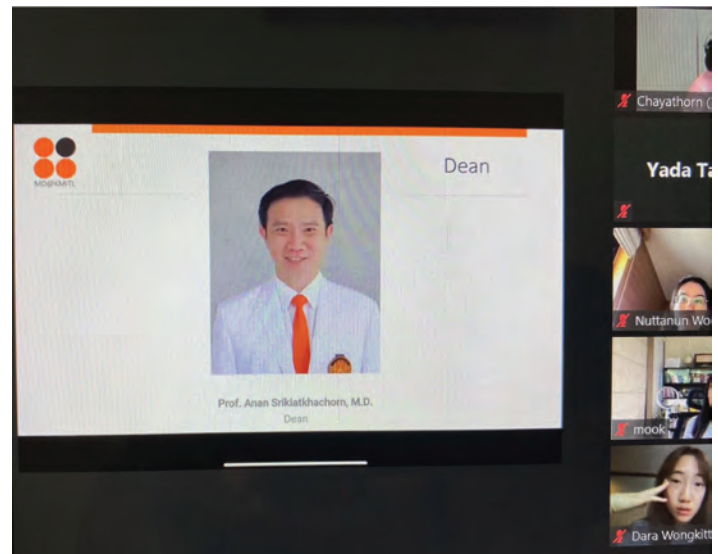
Core Values

Our core values remain the same with the KMITL spirit. Through Knowledge, Morality, Innovation, Technology and Leadership, our Faculty is able to instill these fundamental principles to develop the most accomplished medical graduates. However, the emphasis for medical excellence goes well beyond the classroom as we foster the Leadership spirit to each and every one of our students to be good citizens and good people above all else.



Learning Outcome

Global standards set the trend for our global outcomes which are: Professional competencies required for being physicians of the international standard. 21st century skills and being medical inventors or innovators. Critical thinkers and capable biomedical researchers. Global doctors and world citizens. Our educational outcomes are achieved through our innovative approach.



Student Learning

The “New Normal” is what is referred to as a new way of daily life. As such, our new normal came in the form of online learning. With 100% of our classes delivered online, both students and instructors were forced to explore a virtual platform for class instruction.

Though it was challenging, our instructors and staff were able to pivot into acquisition of the latest online platforms available. We began converting offline lessons to an online format to offer the students as much guidance as possible. Students also had to adapt a great deal to long hours behind a screen.

All in all, this was an opportunity to learn how to reach our teaching and learning objectives in a totally different manner. We are now more skilled than ever yet understand that there is still a long way to go.

Here’s to a never-ending journey of self and professional exploration.



Student Safety

To ensure the utmost of student safety and precautionary guidelines, all students were asked to remain at home while the entire campus and country were on lockdown. Compliance was very good and our Faculty was able to stay safe and healthy throughout the pandemic’s worst times.

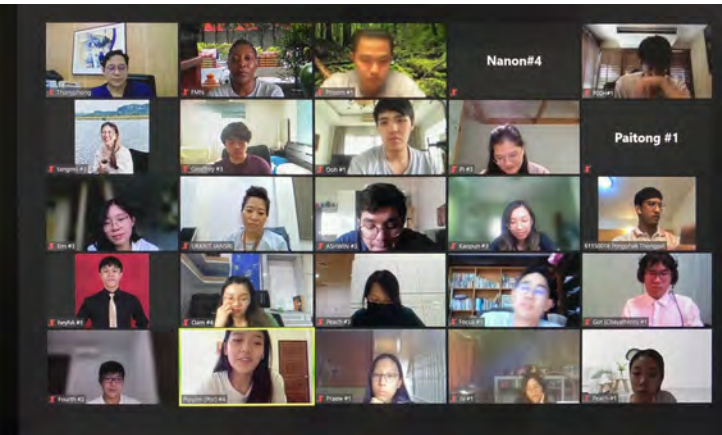
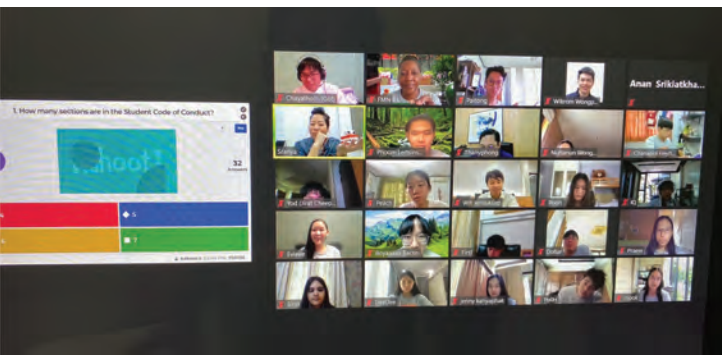


Online Learning

Online learning became the educational norm all across the world. Here at the Faculty of Medicine, KMUTL, we were one of the first faculties to move our class instruction to 100% online platforms. Both students and instructors were learning new and improved ways to deliver and learn from a totally new approach. In the end, we were still able to reach all of our learning and teaching outcomes that we had set. We became more empathetic to learners' needs and were always open to finding more effective and efficient ways to help students gain their knowledge and hone their skills. Of course, there was a challenge with online learning fatigue and teaching fatigue but in the end, we all knew that the "New Normal" is here to stay.

World Culture

Our annual World Culture Class field trip was held in Buriram and Phanom Rung provinces in Thailand. We visited UNESCO World Heritage Sites and got to learn more about how ancient civilizations began and flourished. It is our goal to create a better understanding of the past so that our medical students can excel for the future. Healthcare has been around for thousands of years, so, it is imperative that they understand how to practice sustainability for the utmost in health-related areas.



Marathon

To build great things, we need to have great support. Prior to the lockdown periods occurring during the COVID-19 pandemic, the Faculty of Medicine, along with all of the other faculties of the university came together to raise funds for our new King Mongkut's Chaokhunthaharn Hospital, a specialized 60-bed hospital for elderly care and medical device development. We are very fortunate to have such strong support from our KMITL family and the surrounding communities.



Ground-Breaking Ceremony

With all the momentum from the beginning of the year, we were able to officially begin our King Mongkut's Chaokhunthaharn Hospital Journey with the auspicious Ground-Breaking Ceremony. Presided over by His Holiness, Than Chaokhun Tongchai, the University Council, Presidents, Vice Presidents, Deans of all the Faculties of KMITL, VIP guests, and students all participated in the event. Great things are on their way and we are certainly starting off on the right path towards providing healthcare for our supporting communities.



Watch Auction

Another exciting fundraising event was the KMITL Watch collaboration with the famed watch giant, SEIKO. Together, only 1,000 exclusive time pieces were up for auction to raise more money to support the construction of the King Mongkut's Chaokhunthaharn Hospital.

This star-studded event was held at the Gaysorn Village and watches were auctioned off to the highest bidders for a great cause. We thank everyone who participated and were lucky enough to get a hold of these beautiful KMITL Orange time pieces.

Vaccination Center Start-Up

Our efforts to help the country began with initiating the first major Vaccination Center at KMITL to provide vaccinations for the society. Working in tandem with the Ministry of Public Health, we were able to use our own facilities, manpower and medical expertise to help save lives. The Vice President for Health Services, Professor Prasert Trivijitsilp, M.D. and the Faculty of Medicine Dean, Professor Anan Srikiatkachorn, M.D. spearheaded this initiative with the President of KMITL and the rest of the entire university. Together we were able to come together as an entire university to administer as many vaccinations as possible. Again, we thank all of the countless volunteers who sacrificed their time and energy to do their part. A great effort indeed.



Major Academic Accomplishments & Teaching During the COVID-19 Pandemic

1st Year Students: PreMed Camp

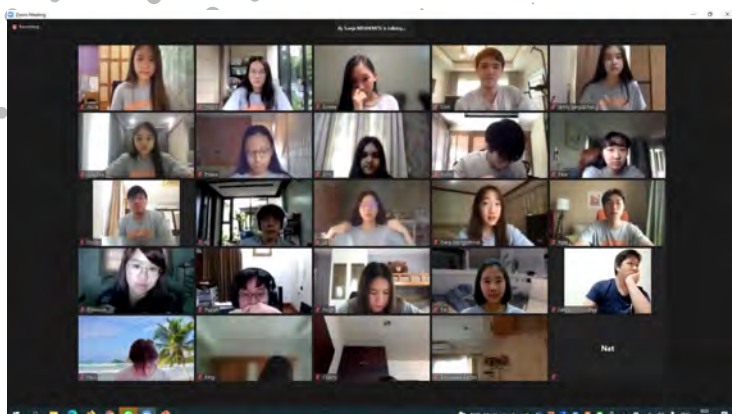
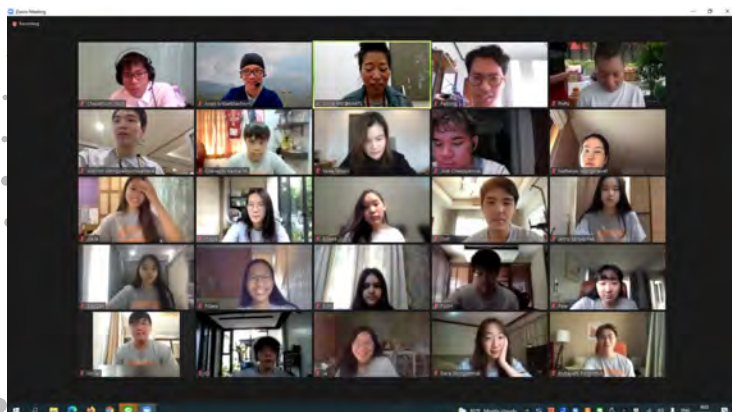
This year, we have successfully run all 3 student batches and have met each year's academic requirements.

Our 1st year students were met with COVID-19 situations; however, these resilient students were able to cope well with their new life as international medical students. The MD@KMITL PreMed camp is famously known as a transitional tool for those entering their first year of medical studies. Due to social distancing policies, students were not allowed to be on campus therefore, a hybrid On-Offline arrangement was made.

The 3-week camp was enhanced with 2 weeks of online basic skills training in, Mathematics, Chemistry, Biology, Physics and Statistics to offer students a preview of what calibre of skills are needed in their first year. For students who were not well-versed in these subjects, this portion of the PreMed camp proved to be most useful as it gave tutorials, online instruction and practice opportunities to develop these subject skills. Students who were well-versed were asked to brush up their skills even if they felt they already possessed the knowledge of the content taught in each PreMed subject. The objective of this part of the camp was to align the entire group to make sure that all students' skills were as equal to one another, to identify the students with areas of improvement and to establish a consistent level of faculty expectations prior to starting the academic year.

For the 3rd and final week of PreMed Camp, students were allowed to join on campus for team building and soft skills training including, Etiquette & Manners, Pseudoscience vs. Science, Plagiarism and Database Searching. The students were introduced to Academic Code of Conduct and informed of all expectations of becoming a medical student at MD@KMITL.

The 3-weeks of intensive training offer students many opportunities to develop a sense of community as well as learning about the expectations regarding their performance and output. Especially during the pandemic, this was an incredibly important part of the 1st year student's experience. Despite the social distancing issues, the Faculty was able to provide the warmest welcome possible.





2nd Year Students: Soft Cadaver Lab

For the second year in a row, the Faculty provided a valuable opportunity to our 2nd year students by preparing students for the Soft Cadaver Dissection lab at the Chula Cadaver Lab. This 3-day, hands on dissection lab is a rite of passage for every medical students as they first trained extensively at the Faculty prior to experiencing the real soft cadavers. Students were grouped into teams of 3 and two teams were assigned to a single cadaver. Working on opposite sides and different extremities (upper and lower), the exploration and knowledge sharing was optimized. All clinicians and Deans Committee members attended as instructors for each of the student groups. Each day, students were given dissection instructions and objectives to follow.

What differentiates the MD@KMITL program is that we offer our students the most exclusive cadaver experience as soft cadavers are used rather than formalin cadavers. This was a conscious decision made by our Academic leadership to offer the most realistic and value-added dissection experience.



3rd Year Students: Sirindhorn Hospital

In the 3rd year of our medical program, the 3rd year students took one step closer into the real clinical setting at Sirindhorn Hospital. During 2020, these students attended weekly sessions at the hospital and began observing real cases in real medical settings. Our teaching staff on the Sirindhorn Hospital took the students in and began educating them on communication skills with Thai patients, case studies and fundamental health care policy. This approach allows students to develop independence as well as a true sense of professionalism. Communication in Thai language is one fundamental skill that is taught and fostered in the Sirindhorn setting because there are many different types of patients and each of our students must be able to communicate properly and accurately with them in Thai. Efforts to help develop skills on a clinical level are focus towards next year's first National Examinations in basic clinical skills. We trust that our efforts to expose our students to clinical settings earlier in their medical training will offer additional insight that can be used later on during examinations and in real life.

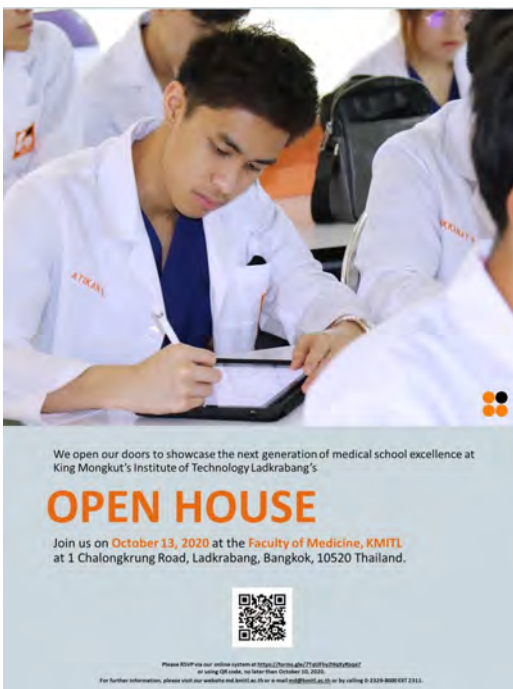


MOU Signing: Bamrungrad International Hospital

We are very proud of our latest MOU signing with Thailand's leading international hospital, Bamrungrad. This achievement was done out of the aligned vision to promote more integrated learning opportunities for our students. The partnership between our two institutions hallmarks the importance of localized internationalization as Bamrungrad International Hospital offers global health care and medical service to the world. We have strategically planned this move to provide a setting in which our students can learn a different approach in clinical and public health issues. The difference in perspective is what will make our students more aware and capable as 21st century doctors in the future.



Open House



Awards & Accolades

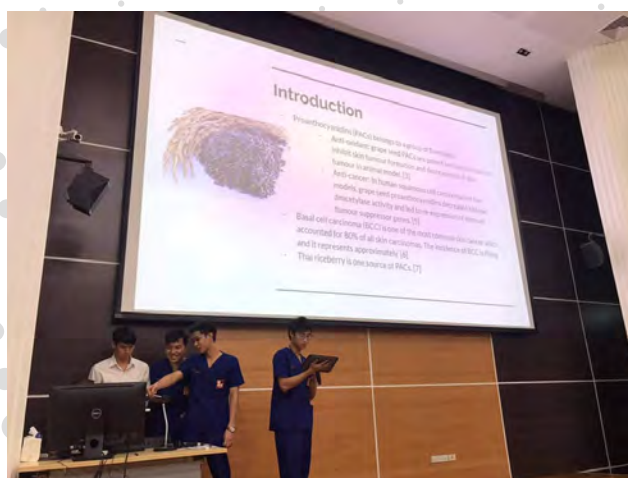
During 2020-2021, we at MDKMITL were busy winning awards in research and innovations. Our instructors and students were awarded for their achievements.

Congratulations to our MDKMITL crew!

Short Film Festival



Research Day



Our Future Is Bright

For the future, we're looking forward to Our future goals in this uncertain time are to:

1. Promote health and safety for our students, instructors and staff.
2. Meet all academic outcomes.
3. Develop students from a 360-degree approach.
4. Encourage more interdisciplinary collaborations in research for our students.
5. Partner up with even more dynamic health care and medical institutions to open opportunities for our students and staff to develop synergistic research and learning opportunities in Thailand and abroad.



FACULTY OF MEDICINE KMITL



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