

## KMUTNB's 61<sup>st</sup> Foundation Anniversary Celebration

On 19<sup>th</sup> February 2020, King Mongkut's University of Technology North Bangkok (KMUTNB) celebrated its 61<sup>st</sup> founding anniversary at Bangkok Campus. The theme for the anniversary celebration was "Advanced Innovation Actions towards Industrial Value Enhancement".

The ceremony had been divided into 3 parts, Morning session, Afternoon Session and Evening Session which was attended by Prof. Dr. -Ing. habil. Suchart Siengchin, KMUTNB President along with administrators, faculty members, staff and alumni. A lot of great and pride activities were arranged specially for this celebration.



Picture: At the evening event, Prof. Dr. -Ing. habil. Suchart Siengchin, KMUTNB President leads the parade of KMUTNB administrative team on the stage to show respect and thanks to the whole KMUTNB staff and alumni for support KMUTNB. The president delivers opening and welcome speech to the guests.

At the evening session, 2 representatives from German and French Embassy to Thailand honored KMUTNB by delivering congratulatory messages speeches to its achievement. Also, H.E. Mr. Georg Schmidt, German Ambassador to Thailand expressed congratulations to KMUTNB's achievement through video message, while Ms. Lisa Louveton, Project Coordinator for Scientific and Higher Education Cooperation, French Embassy in Thailand delivered her speech on the stage. (Continued on Page 2 - 3)



Left: H.E. Mr. Georg Schmidt, German Ambassador to Thailand.



Right: Ms. Lisa Louveton, Project Coordinator for scientific and higher education cooperation French Embassy in Thailand.

## KMUTNB's Efforts to Serve the Society during the Spread of Coronavirus

Due to the global pandemic of coronavirus disease 2019, all the international collaborative activities could not be arranged as usual. As the international air and travel traffic have currently still been restricted, the student and staff exchange program, the international conference/seminar or overseas study tour were suspended. Moreover, the university was temporarily closed. (Continued on page 10-11)



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## Campus News

### Morning Session: Buddhist Ceremonies & Co-Founders' Remembrance Ceremony



In the morning, at President's Building, Prof. Dr. -Ing. habil. Suchart Siengchin, KMUTNB President, presided over a Buddhist merit-making ceremony. Attending the event were Prof. Dr. Teravuti Boonyasopon, Chairman of KMUTNB Council Committee, administrators, faculty members, university staff, alumni and students.



After the merit making ceremony, at the KMUTNB founders' monument in front of TGGGS Building, Prof. Dr. Boonyasak Jaijongkit's family members, Chairman of KMUTNB Council Committee, KMUTNB President, Former Presidents of KMUTNB, administrators, faculty members, university personnel and alumni, participated in the remembrance ceremony to pay tribute to the founders of KMUTNB, Prof. Dr. Boonyasak Jaijongkit, the founding Thai principal and Dip. Ing. Karl Stütze, the founding German Principal of of the Thai-German Technical School, who worked together to establish and promote the German system of task-based and practice-oriented education in Thai-German Technical School, and the school later became the prestigious university.

Picture: the remembrance event was also honored with the presence of the family members of Prof. Dr. Boonyasak Jaijongkit, and they are taking a photo with former presidents and the present president of KMUTNB in front of the co-founders' monument.

### Afternoon Session: Outstanding Award Ceremony



In the afternoon, at Pradoodang Hall, KMUTNB organized the outstanding award ceremony. The prestigious awards were granted in acknowledgement of the outstanding academic, research and innovation excellence of the university staff and students. The awards were divided into following categories; Appointed Academic Title for Professors, Outstanding Researchers, Outstanding Staff, Outstanding Research Center and Outstanding Personnel who enhance institutional reputation in following categories; academic excellence, research excellence and innovation. The award winners contributed to the enhancement of the university's national and international reputation.

Prof. Dr. Somrerk Chandra-ambhorn, Vice President for Research and Information Technology Development, a chairman of this session is reporting the purposes of this event to Prof. Dr. -Ing. habil. Suchart Siengchin, KMUTNB President who presents whole outstanding awards on the stage.

Picture on the right: Recipients of Appointed Academic Title for Professors Awards.



Recipients of Outstanding Researcher Awards



Recipients of Outstanding Staff Awards

## Campus News

### Evening Session: KMUTNB's 61<sup>st</sup> Anniversary Celebration

In the evening, at Chalermprakiat Park, Prof. Dr.-Ing. habil. Suchart Siengchin, KMUTNB President, delivered a speech to address the KMUTNB's 61<sup>st</sup> anniversary celebration. The reception was attended by Mr. Pinit Jarusombat, Former Deputy Prime Minister and the representative from The French Embassy. In this occasion, the university also granted souvenir, token of honor and plaque of honor to outstanding persons and distinguished alumni. There are several cultural shows on the stage performed by Performing Arts Club and the musical performance conducted by Pradoodang Brand. This celebration reception was aimed to strengthen the connection between overseas academic partners, alumni, faculty members, students and retired staff, as well as to provide an opportunity for them to meet and exchange experiences.



## Academic Cooperation

### Halla University & KNUT, Korea : 3<sup>rd</sup> International Capstone Design Camp

During 27<sup>th</sup> – 31<sup>st</sup> January 2020, at Robot Academy, the Faculty of Engineering hosted the “3<sup>rd</sup> International Capstone Design Project” in collaboration with Halla University and Korea National University of Transportation (KNUT), Korea. Assoc. Prof. Dr. Udomkiat Nontakaew, Dean of Faculty of Engineering, delivered an opening speech to Korean students who participated the project at the opening ceremony. The project was organized in accordance with MOU between three universities and was aimed to promote the students’ skills and knowledge in robotic technology, as well as to provide an opportunity for the participants to practice their English communication skills and to exchange knowledge and culture. The program focused on program writing by Microsoft Makecode and M5 stack, and it also offered such valuable experience and knowledge through innovative learning and activities. The supervisors of this project included Prof. Chang Hoon Lee, Prof. Ee Le Shim, Prof. Youn Seok Lee from Korean Universities and KMUTNB’s Robot Academy team as Asst. Prof. Dr. Amornphun Phunopas and Dr. Wisanu Jitviriyaya.



*Opening Ceremony*



*Introducing and Ice Breaking Activities*



*Workshop: Each team consists of representative students from KNUT, Halla University and KMUTNB, and they worked together.*



*Competition & Award Presentation*



*Come to the End !*

## Academic Cooperation

### Hochschule Bremerhaven, Germany

On 26<sup>th</sup> February 2020, Prof. Dr.-Ing. habil. Suchart Siengchin, KMUTNB President, presided over the MoU renewal signing ceremony between KMUTNB and Hochschule Bremerhaven. Prof. Dr. Gerhard Feldmeier, Vice President for Research and Foreign Relations from Hochschule Bremerhaven, Assoc. Prof. Dr. Saowanit Sukparungsee, Vice President for Academic Affairs and Assoc. Prof. Dr. Pichet Sriyanyong, Dean of International College, are representatives from each university to sign MOU. The ceremony was also attended by Prof. Dr. Wolfgang Lukas, Head of the Institute for Management and Economics, Hochschule Bremerhaven. This MOU is a part of 20 years collaboration between two universities which focuses on the joint research, the exchange of lecturers, researchers and students. Also, the renewal of



Picture from l-r: Ms. Achareeya Robkit (1<sup>st</sup>), Associate Dean for Academic and Student Affairs, Assoc. Prof. Dr. Pichet Sriyanyong (2<sup>nd</sup>), Assoc. Prof. Dr. Saowanit Sukparungsee (3<sup>rd</sup>), Prof. Dr.-Ing. habil. Suchart Siengchin (4<sup>th</sup>), Prof. Dr. Gerhard Feldmeier (5<sup>th</sup>) and Prof. Dr. Wolfgang Lukas (6<sup>th</sup>).



Picture: Prof. Dr. Gerhard M. Feldmeier gives a block lecture on topic "Entrepreneurship and Innovation" to 4<sup>th</sup> year students.

Memorandum of Understanding on the 3+1 program was also signed. This program emphasizes on international trade and logistics which are presently enrolled by five Thai students and two German students on each academic year.

During 17<sup>th</sup>-28<sup>th</sup> February 2020, International College invited Prof. Dr. Gerhard M. Feldmeier, Vice Rector for International Affairs and Prof. Dr. Wolfgang Lukas, Head of the Institute for Management and Economics from Hochschule Bremerhaven, Germany, to give a block lecture to students enrolled in the course on Entrepreneurship and Innovation and Managing People across Cultures. In addition, Prof. Dr. Gerhard M. Feldmeier and Prof. Dr. Wolfgang Lukas also attended the KMUTNB's 61<sup>st</sup> anniversary celebration reception on 19<sup>th</sup> February 2020. For decades, Hochschule Bremerhaven and International College, KMUTNB, have been academic partners and various fruitful collaborations have been established and maintained.



Picture: Prof. Dr. Wolfgang Lukas gives a block lecture on the topic "Entrepreneurship and Innovation and Managing People across Cultures".

## Academic Cooperation

### Chemnitz University of Technology, Germany

On 20<sup>th</sup> February 2020, Univ.-Prof. Dr.-Ing. habil. Lothar Kroll, Director of the Institute for Structural Lightweight Construction and Director of the An-Institute Cetex and Dr. rer. Nat. Isabelle Roth-Panke, administrative director of Cluster of Excellence MERGE from Chemnitz University of Technology, Germany, visited King Mongkut's University of Technology North Bangkok to discuss about the academic collaboration with Prof. Dr.-Ing. habil. Suchart Siengchin, KMUTNB President and Asst. Prof. Dr. Arisara Chaikittiratana, a project coordinator of Center for Lightweight Structures Technologies (LiST), KMUTNB and team at Office of the President, Anekprasong Building. Then, they paid a courtesy call to Prof. Dr. Teravuti Boonyasopon, Chairman of KMUTNB Council Committee, at Navamindrarajini Building.



Picture from l-r: Asst. Prof. Dr.-Ing. Kumpanat Sirivedin (1<sup>st</sup>), TGGs Lecturer/Researcher, Asst. Prof. Dr. Arisara Chaikittiratana (2<sup>nd</sup>), Prof. Dr.-Ing. habil. Suchart Siengchin (3<sup>rd</sup>), KMUTNB President, Univ.-Prof. Dr.-Ing. habil. Lothar Kroll (4<sup>th</sup>), Dr. rer. Nat. Isabelle Roth-Panke (5<sup>th</sup>) and Ms. Lydia Rösler (6<sup>th</sup>).



On the same day, at Berlin Meeting, Room no. 307, 3<sup>rd</sup> Floor, TGGs Building, Univ.- Prof. Dr.-Ing. habil Lothar Kroll presented a keynote lecture on “Merge Technologies for Resource Efficiency” and Dr. rer. nat. Isabelle Roth-Panke gave a lecture on “From Coal to Carbon Fibres.” The special lectures by two professors from Chemnitz University of Technology were attended by faculty members and graduate students of TGGs and faculty of Engineering. The delegate from Chemnitz University of Technology also attended the celebration reception on 19<sup>th</sup> February 2020 which was arranged to mark the KMUTNB's 61<sup>st</sup> anniversary.

### University of Vienna, Austria



During 4<sup>th</sup> - 31<sup>st</sup> March 2020, at the labs of the Faculty of Computer Science, University of Vienna, 2 KMUTNB lecturers, including Asst. Prof. Dr. Maleerat Maliyaem from Faculty of Information Technology and Digital Innovation and Asst. Prof. Dr. Hathairat Ketmaneechairat from College of Industrial Technology worked on their project “NLP for Disaster Management” with Prof. Dr. Gerlad Quirchmayr, Deputy Head of the Multimedia Information Systems Research Group, University of Vienna. Both of them received the scholarships for research stays under ASEA-UNINET SP24 Program.

Picture from l-r: A project team; Asst. Prof. Dr. Hathairat Ketmaneechairat (1<sup>st</sup>), Asst. Prof. Dr. Maleerat Maliyaem (2<sup>nd</sup>) and Prof. Dr. Gerlad Quirchmayr (3<sup>rd</sup>) take a group picture together.

## Academic Cooperation

### Hankyong National University (HKNU), South Korea

On 14<sup>th</sup> February 2020, at the 9<sup>th</sup> floor conference room, Science and Technology Research Institute, KMUTNB, Assoc. Prof. Dr. Pairote Satirayakorn, Dean of Faculty of Technical Education, and Asst. Prof. Dr. Panarit Sethakul, the dean's advisor, Asst. Prof. Dr. Suchanya Posayanon, Associate Dean for Special Affairs and Foreign Relations, and Dr. Soradech Krootjohn, lecturer of Department of Computer Education, warmly welcomed Prof. Lee Eul Gyu, Dean of College of Engineering, Hankyong National University, South Korea, who led the group of lecturers and students from HKNU to visit KMUTNB. This study visit was a part of the "International Academic Cooperation Program," which was the academic collaboration between Faculty of Technical Education and Hankyong National University. The activity included presentations of research outcome and innovations by both KMUTNB and HKNU.



*One of HKNU Student's teams presents their project.*



*One of KMUTNB Student's teams presents their project.*



*After the teams of HKNU student and KMUTNB student finished their presentation, they take a group picture.*

### Victoria University College (VUC), Myanmar



*Picture from l-r of standing row: After completing the short training, a group of VUC students take a picture with Assoc. Prof. Dr. Smith Songpiriyakij (5<sup>th</sup>), CIT Dean, Dr. Phyo Kyar Phyu (6<sup>th</sup>), the Dean of Engineering Faculty, and Assoc. Prof. Dr. Rattanakorn Phadungthin (7<sup>th</sup>), CIT Associate Dean for Lifelong Learning Development.*

During 11<sup>th</sup> – 13<sup>th</sup> February 2020, at College of Industrial Technology (CIT), Dr. Phyo Kyar Phyu, the Dean of Engineering Faculty, Victoria University College (VUC), Myanmar, led a group of students of the Department of Mechatronics Engineering and Electronics Engineering to visit College of Industrial Technology for training. The Faculty of Engineering, VUC, and College of Industrial Technology, KMUTNB, has been a fruitful partnership. Each year students from VUC will visit KMUTNB to attend a short training course designed to enhance the students' knowledge and improve skills in Engineering.

## Academic Cooperation

### Esslingen University of Applied Science, Germany

On 4<sup>th</sup> March 2020, at International Cooperation Office, President's Building, Assoc. Prof. Dr. Ratanakorn Phadungthin, Associate Dean for Lifelong Learning Development, College of Industrial Technology, Ms. Phimvalanch Moosikaphan, ICC Director and ICC team warmly welcomed 5 German Students of Mechanical Engineering and Automotive Engineering from Esslingen University of Applied Science, Germany, who came to do an internship at College of Industrial Technology, KMUTNB, for 6 months from March-August 2020.



Due to the outbreak of coronavirus, the protective measures against the spread of the disease were implemented and it required the students from overseas universities who traveled to Thailand to stay at residents in self-quarantine for 14 days. The International Cooperation Office, therefore, invited the intern students to report about the covid situation in Thailand and suggested prescribed practices during the quarantine period, as well as to assure them that ICC would constantly provide supports to them during their stay in Thailand.

### Hochschule Bremerhaven, Germany

During 19<sup>th</sup> March – 31<sup>st</sup> August 2020, Mr. Sebastian Gobel, the exchange student from Hochschule Bremerhaven, Germany, came to KMUTNB Prachinburi Campus to conduct a research at Faculty of



Agro-industry. He is conducting a research on topic “Effect of antioxidant agents on thermal stability and bio accessibility of vitamin D3 fortification in canola oil” under the supervision of Dr. Wichien Sriwichai, Department of Innovation and Product Development Technology.

He also participated in the volunteer for COVID-19 project arranged by the Faculty of Agro-industry to alleviate the affliction of people in the villages around the campus. As the education of Faculty of Agro-industry focuses on sciences and food technology, the lecturers and students worked together to produce health food products to donate to the villagers. The food was prepared for long-term storage.

### International Trade and Business Logistics Field Trip (Macau-Hokkaido, Japan)

During 5<sup>th</sup> - 10<sup>th</sup> January 2020, International College, KMUTNB, organized the International Trade and Business Logistics Field Trip in Macau and Japan for sixty-one undergraduate students. The students accompanied by four faculty members and they spent one week on field trips to Tomari Nuclear Power Plant and Port of Tomakomai in Hokkaido, Japan, and also they attended seminars at University of Macau and University of Tokyo. The seminar was held on the topic “Global Business for Competitive Advantage”



at University of Tokyo which the keynote speech was delivered by Prof. Dr. Shigeru Matsumoto. This field trip was intended to provide students with real-world experiences and an opportunity to explore novel things in work settings. The visit would increase the students' interest in production and business management and also enhance their experience in sea transportation.

## Academic Cooperation

### FernUniversität in Hagen, Germany

On 5<sup>th</sup> February 2020, at International Cooperation Office (ICC), 10<sup>th</sup> Floor, President's Building, KMUTNB, Prof. Dr. -Ing. habil. Herwig Unger, Chair of Communication Networks, FernUniversität in Hagen, accompanied by Assoc. Prof. Dr. Phayung Meesad, Dean of Faculty of Information Technology and Digital Innovation, visited Miss Sikan Kulchonchan, Vice President for International Affairs.

They discussed about the progress of MRS project and the set-up of NLP-Lab at Prachinburi Campus. The NLP-Lab is located at KMUTNB Prachinburi Campus which is cooperation of 3 faculties of KMUTNB, including Faculty of Industrial Technology and Management, Faculty of Information Technology and Digital Innovation and Faculty of Applied Science with the support of Prof. Dr.-Ing. habil. Herwig Unger.



The establishment of laboratory is aimed to enhance the student's learning in the Natural Language Processing. He also visited Prachinburi Campus in order to proceed the selection process of scholarship granted to KMUTNB students and to arrange NLIR 2020 workshop 21<sup>st</sup>-23<sup>rd</sup> May 2020 at KMUTNB Prachinburi Campus.

*Picture from l-r: Dr.-Ing. habil. Herwig Unger (1<sup>st</sup>), Assoc. Prof. Phayung Meesad (2<sup>nd</sup>) and Miss Sikan Kulchonchan.*

The Binational Doctorate is one of the academic cooperation established by the MoU between Faculty of Information Technology and Digital Innovation, KMUTNB, and Faculty of Mathematics and Computer Science, Fern University in Hagen, Germany. Recently, Mr. Chalernpol Tapsai, a lecturer at Suan Sunandha Rajabhat University, has just completed his thesis defense via an online platform due to travel restrictions related to the COVID-19 pandemic. The defense examination was attended by KMUTNB's and FernUni's lecturers. Mr. Chalernpol Tapsai's area of interest was Natural Language Process and he is particularly specialized on Asian language. During his study in this program, Mr. Chalernpol Tapsai has an opportunity to conduct research under the supervision of lecturers from FernUni and attended international seminars with them. This program, therefore, expands the student's academic interest, as well as help them to establish an academic network with German universities and scholars.



During his study in this program, Mr. Chalernpol Tapsai has an opportunity to conduct research under the supervision of lecturers from FernUni and attended international seminars with them. This program, therefore, expands the student's academic interest, as well as help them to establish an academic network with German universities and scholars.



On 6<sup>th</sup> June 2020, Asst. Prof. Dr. Sunantha Sodsee was appointed as the dean of Faculty of Information Technology and Digital Innovation. She graduated from the binational doctorate program and earned a doctoral degree from both KMUTNB and Fern University. Receiving a scholarship from DAAD, she spent three years studying at Fern University. She told us that the benefit of this bi-national program is that it provides an opportunity for Thai students to experience the academic culture of Germany and encourages self-directed learning in students. She believes that this program benefits the society and the country at large, because the graduates can use valuable experiences gained from their study to contribute to the development of information technology education in Thailand. Also, the students gain a chance to build an international academic network which may lead to the fruitful collaboration in their

future career. As the new dean, Asst. Prof. Dr. Sunantha Sodsee is willing to support Thai graduate students in developing their potential to study in the bi-national program which will bring many advantages to the students.

## Campus News

However, we still did not cease to serve the society. KMUTNB is a university with a history of social responsibility, where people have been working to address the community challenges. After the current epidemic of a new coronavirus disease, our lecturers, researchers and professional service staff have come rapidly together to integrate their knowledge to create innovations to support the work of healthcare providers. Our people in three campuses have worked together and with partners from across society



*In Thailand; During the early stage of coronavirus outbreak, people faced the shortage of face mask and gel-alcohol in the market, KMUTNB volunteers produced them and donated to hospitals, temples and communities.*

to develop innovations to assist the work of medical personnel, and the manufacturing of some innovations were financially supported by the private sector and alumni. At the earliest stage of the spread of novel coronavirus, the first problem arose was the shortage of personal protective equipment (PPE). KMUTNB aimed to reduce the risk of people to contract the disease, so many ten thousands of face shields, nanofiber face masks and gel-alcohol were manufactured and donated to hospitals, temple, the government sector in need, the community surrounding the university, as well as all KMUTNB staff.



*The UV sterilizer is innovated by the research team of the Faculty of Applied Sciences, KMUTNB.*

Dealing with the shortage of medical face mask, KMUTNB produced UV sterilizers and donated hundred pieces of UV sterilizer to hospitals in all regions of Thailand. This machine can effectively disinfect face masks and takes only 30 minutes to sterilize them.

After sterilization, the face masks can be used again and this process can be resumed 10 times without decreasing the effectivity of face mask. Therefore, this innovation enables the face mask to be used repeatedly and economically, so it helps to reduce the loss of resources which is in short supply.



*Assoc. Prof. Dr. Somrat Kerdsuwan, Director of the Waste Incineration Research Center (WIRC), KMUTNB and his research team invented the medical waste incinerator.*

As the use of medical masks and gloves rose due to the coronavirus pandemic, it increases the workload for the waste management system in hospitals. In response to the ongoing COVID-19 crisis, KMUTNB produced the medical waste incinerator for burning healthcare wastes without releasing smoke. This machine relies on electricity to operate and can dispose 12.6 kg of healthcare waste per hour, so it is suitable for small hospitals to use it for the healthcare waste disposal. The medical waste incinerator produced by KMUTNB was donated to hospitals in order to help them to cope with the vast medical waste of the Covid-19 pandemic.

## Campus News

In response to a shortage of medical equipment, KMUTNB, with the supports of alumni and partners in the business sector, produced the positive pressure cabinets and the negative pressure cabinets to donate to hospitals in all region of Thailand. The positive pressure cabinets were donated to the Armed Forces



*KMUTNB representatives donates a positive pressure cabinet to the Armed Forces Research Institute of Medical Sciences.*



*The positive pressure cabinet is designed for medical staff and the negative pressure cabinet is for patients infected with COVID-19.*



Research Institute of Medical Sciences, Phetchabun Hospital and Chao Praya Aphai Phubet Hospital, while the negative pressure cabinets were donated to Chiang Kham Hospital, Sansai Hospital, Hua Hin Hospital, Yala Hospital, Bannangsata Hospital, Bacho Hospital, Rangae Hospital, Tak Bai Hospital, Choirong Hospital. This positive pressure cabinet was designed to prevent germs in the surrounding environment to enter the room. The negative pressure cabinet, on the other hand, is designed for collecting specimen from patients infected with COVID-19 and it prevents internal air from leaving the space. To collect specimen usually stimulate the patient to sneeze or cough which will spread germs in the air. But the cabinet keeps potentially harmful particles within and allow medical staff to safely collect specimen. Thus, it ensures the safety of healthcare providers in the process of performing a medical diagnose and providing medical care and prevent them from the risk of contracting the disease.

Additionally, KMUTNB lecturers and students apply their knowledge and expertise to design a robotic assistant for medical staff. The robots were donated to Faculty of Medicine, Navamindradhiraj University.

In the time of the spread of coronavirus, an autonomous mobile robot will perform several tasks, like delivering food, medications and medical supplies for the patient under investigation, which will decrease the risk of healthcare providers in contracting the disease from the patient infected with COVID-19.



*The research team of Center in Innovative Robot and Advanced Precision System (IRAPs) invents robot "IRAPs SHaRE-aGIVeR".*

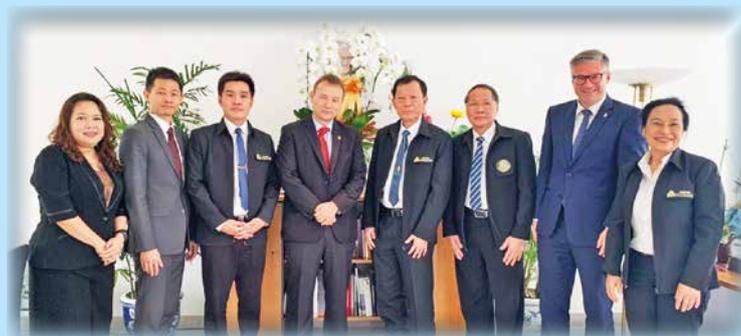
## MoU with National Science and Technology Development Agency (NSTDA)

On 9<sup>th</sup> January 2020, at Ratchapruek Room, Navamindra Rajini Building, Prof. Dr.-Ing. habil. Suchart Siengchin, KMUTNB President, signed Memorandum of Understanding with Dr. Narong Sirilertworakul, President of National Science and Technology Development Agency. The MoU was aimed to promote joint research activities, the collaboration to develop sciences and technology, the innovation creation for the government and the private sectors, as well as the arrangement of academic activities. Importantly, for five years, both KMUTNB and NSTDA will allocate 25 scholarships each year for students to further study in Master's or Doctoral degrees in order to promote the development of the targeted industries, such as the Modern Automotive and Transportation System, Railway System, Satellite, Alternative Energy, Medical Robot and Digital Technology. The scholarship holders will be provided an opportunity to learn from and study from both experts in KMUTNB and NSTDA. This is a significant step toward the development of human resources in sciences and technology and the enhancement of innovation, which corresponds the Thailand 4.0 policy issued to support the development of 10 targeted industries.



Picture from l-r: Assoc. Prof. Dr. Nisai Fuengwarodsakul (4<sup>th</sup>), TGGGS Dean, Prof. Dr. Somrerk Chandra-ambhorn (5<sup>th</sup>), Prof. Dr.-Ing. habil. Suchart Siengchin (6<sup>th</sup>), KMUTNB President and Dr. Narong Sirilertworakul (7<sup>th</sup>), NSTDA President take a picture with honor witness from both sides.

## A Courtesy Call to the German Ambassador on the Occasion of the New Year's



On 4<sup>th</sup> February 2020, at the German Embassy, Prof. Dr. Teravuti Boonyasopon, a chairman of KMUTNB Council Committee, Prof. Dr.-Ing. habil. Suchart Siengchin, KMUTNB President and representatives of KMUTNB administrators paid a visit to H.E. Mr. Georg Schmidt, the Ambassador of Germany to Thailand, to report the progress of academic collaborations between KMUTNB and German universities.

On this occasion, Prof. Dr. Teravuti Boonyasopon, a chairman of KMUTNB Council Committee, presented H.E. Mr. Georg Schmidt an invitation to attend KMUTNB's Anniversary Celebration on 19<sup>th</sup> February 2020 and TGGGS advisory board meeting on 11<sup>th</sup> September 2020. KMUTNB and German universities has a long history of strong and close academic collaborations. There constantly have been the initiations of new collaborative projects, the exchange of staff and students. KMUTNB has always received well support from the German Embassy.

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King Mongkut's University of Technology North Bangkok  
1518 Pracharat 1 Rd., Bangsue, Bangkok 10800, Thailand  
Tel: +66 (0)-2-555-2000 ext. 1024, Fax: +66 (0)-2 586-9007



### EDITORIAL TEAM

Prof. Dr. Teravuti Boonyasopon, Advisor  
KMUTNB International News Committee

Send news, questions and comments to: [icc@op.kmutnb.ac.th](mailto:icc@op.kmutnb.ac.th)