

UGC Research Impact Fund

Letter of collaboration from the King Mongkut's University of Technology Thonburi (KMUTT)

12th February 2019

To whom it may concern,

I am writing this letter to hereby confirm that the King Mongkut's University of Technology Thonburi (KMUTT) is a collaborating partner of Dr. Cecilia Chan's proposal to the Research Impact Fund 2019/20.

Dr. Chan's proposal objectives echo with KMUTT's education missions. As a university of technology, KMUTT not only specialises in developing academically excellent and technologically proficient graduates, but also dedicates to educate the skills, virtue, morality and work ethics of our students. We believe that communication skills, teamwork, problem solving skills, morality and ethics are essential for any profession. There is a genuine need for a validated assessment of these skills and virtues. The feedback evidenced-based interactive e-system to be developed by Dr. Chan with our collaboration is what the STEM disciplines need for assessment.

KMUTT will employ the research inventory, framework and e-system at our university and collect data to benchmark our students. In addition, KMUTT will also actively engage with the STEM industries, academics and policymakers through the Asian Society for Engineering Education (AsiaSEE) led by Dr. Chan. As a Founder Member of the AsiaSEE, KMUTT firmly support Dr. Chan's proposal.

Dr. Chan's research is particularly impactful to the STEM educators across Asia to refine our pedagogies and curriculum to enhance the skills development and employability of students. KMUTT looks forward to collaborate with Dr. Chan and other like-minded partners to refine the education for STEM disciplines and develop graduates with academic excellence, skills and virtues.

Should further information be needed, please contact me through email at bundit@cpe.kmutt.ac.th.

Yours faithfully,



Dr. Bundit Thipakorn

Senior Vice President for Academic Affairs

King Mongkut's University of Technology Thonburi (KMUTT)

Introduction of the King Mongkut's University of Technology Thonburi, Thailand

The institution was established in 1960 for training technicians, technical instructors and technologists. The King Mongkut's University of Technology Thonburi (KMUTT) is the first among public universities in Thailand to receive full autonomy in 1998. KMUTT is determined to be at the forefront of technology and research, as well as to develop accomplished and proficient graduates who have learning ability, academic excellence, virtue, morality and work ethics.

As a university of technology, KMUTT offers undergraduate programmes on STEM disciplines, including industrial education and technology, science, engineering, architecture and design, information technology, as well as multidisciplinary sciences.

In addition to the focus on STEM, KMUTT also emphasises on skills and virtues. For example, for the Bachelor of Science Programme in Computer Science, KMUTT's philosophy of the programme is to produce graduates who are responsible, honest, dedicated and being role models to create innovations in computer science, which are beneficial for Thailand's development. KMUTT not only teaches students academic knowledge in technology, but also the communication skills, teamwork, problem solving skills, morality and ethics. Each semester has a course on these skills and virtues.

Second or third year students are also required to attend an internship in order to complete their course studies. An internship can be either part-time during such semester or full-time in a summer session with the duration varies from 6 to 10 weeks. An internship can be referred to as "work experience" or "industry experience" to attain professional experience or an industrial training. An internship provides the both practical experience and personal development for students' career path and job prospects.

Dr. Bundit Thipakorn is the Senior Vice President for Academic Affairs of KMUTT. Dr. Thipakorn earned a PhD in Electrical and Computer Engineering, University of Missouri-Columbia in 1995. Since 2002, he has been in the leadership of KMUTT's engineering department and faculty, as well as the executive team.