



COMPUTER INNOVATION ENGINEERING PROGRAM

DEPARTMENT OF COMPUTER ENGINEERING
FACULTY OF ENGINEERING



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Scholarships and Financial Aid

- Full scholarships
- Student Loan

Requirements for Admission

- Transcript / GPA
- ACT/SAT
- English proficiency test (TOEFL/IELTS)
- Statement of Purpose
- Letters of recommendation



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KING MONGKUT'S INSTITUTE OF TECHNOLOGY LADKRABANG
BANGKOK, THAILAND





About Computer Innovation Engineering Program (CIE)

Our program is designed to drive innovations. By combining theoretical foundations with hands-on experience and project-based learning, the students will learn the skills required for today's workforce. We embrace the 21st century learning environment to cultivate the students' creativity, critical-thinking, communication and collaboration skills. Our students will be introduced to innovative mindsets, able to work with multidisciplinary teams and be leaders in their field of study. Our graduates will be lifelong learners who are aware of technical and societal issues. They will be able to create engineering innovations with economics impact and benefit our society.

About KMITL

King Mongkut's Institute of Technology Ladkrabang (KMITL) was established on August 24, 1960 with academic cooperation from the Government of Japan. The name of the institute was derived from the name of King Rama IV. The royal grand crown seal has been graciously used as the emblem of the institute. Since its opening in 1960, KMITL has been dedicated to finding solutions to significant challenges and prepare our students for leadership in science and technology. We have been among the leading engineering schools in Thailand.



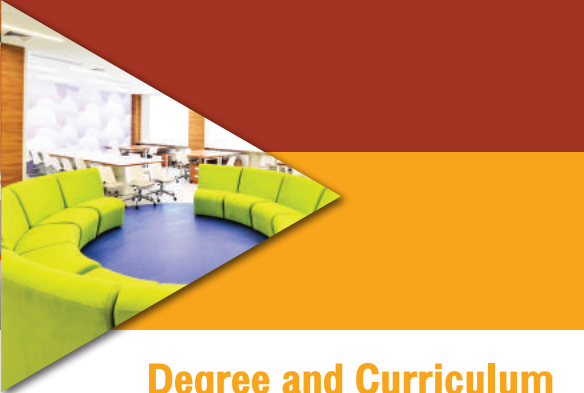
Why CIE at KMITL?

Program Features

- ▶ 21st Century learning
- ▶ Innovative curriculum
- ▶ Hands-on learning
- ▶ Practical experience

Learning Environments

- ▶ Gadget lab
- ▶ 24hr active learning space
- ▶ Innovative café
- ▶ Smart and happy classroom



Degree and Curriculum

Bachelor of Engineering (B.Eng.) in Computer Innovation Engineering

We offer a four year international engineering program, that is designed to prepare students for creating new and advanced computer innovations. The program offers both, the fundamentals with state of the art knowledge in computing technologies including, Internet of Things, Cloud Computing and Data Analytics. The curriculum also integrates the study of innovation process, helping students transform their explored ideas into potential startup businesses.

Sample classes include:

- ▶ Intelligent Devices & Digital Systems
- ▶ Cyber-Physical System Design
- ▶ Cloud Computing
- ▶ Big Data Analytics
- ▶ Mobile Application Development
- ▶ Cybersecurity
- ▶ IoT and Smart Systems



Partnerships

Students have opportunities to apply for competitive internships and cooperative education programs with government agencies, international corporates and world-class universities. We also have supporting partners from world-leading and well-known national corporations including:*

- ▶ IBM
- ▶ Microsoft
- ▶ Oracle
- ▶ VMware
- ▶ MFEC
- ▶ True Corporation
- ▶ CMKL University



*as of October 2018

About Our Faculty

Our faculty are defined by their expert knowledge in the fields, including:

- ▶ Internet of Things
- ▶ Cloud Computing
- ▶ Data Analytics
- ▶ Cybersecurity

Our faculty are actively engaged in a wide-range of research areas, including:

- ▶ Cloud computing platforms
- ▶ Software-defined infrastructure
- ▶ Wireless communication network
- ▶ Big data and business analytics
- ▶ User experience design studio