



KMITL

KING MONGKUT'S INSTITUTE OF TECHNOLOGY LADKRABANG

M.Sc./Ph.D. in
Technology-Enhanced
Learning and
Innovation
(International
Program)



FACULTY OF INDUSTRIAL
EDUCATION AND TECHNOLOGY

About Us

King Mongkut's Institute of Technology Ladkrabang

Since its founding in 1960, King Mongkut's Institute of Technology Ladkrabang (KMITL) has grown to become one of Thailand's leading universities in science and engineering. Today, the Institute comprises 12 faculties, offering Bachelors, Masters, and Doctoral degree programs in diverse disciplines in science, engineering, industrial education, information technology, and management. Internationally well-known for its research and innovation, the Institute is particularly proud of offering excellent academic standards combined with extensive facilities. Each faculty boasts specialized research centers and laboratories for cutting-edge research in various fields. As one of the largest science and engineering oriented universities in the country, KMITL has its main campus in Bangkok, conveniently located close to the main international airport of the country, and a large countryside campus in Chumphon, a seaside province in the south of Thailand.



Faculty of Industrial Education and Technology

The Faculty of Industrial Education and Technology offers Masters Degrees and Doctorates in educational administration, educational technology, innovative teaching, and education support programs. The emphasis is on teaching and intensive research to develop graduates to be leaders in education and in the use of technology related to modern education. We create technology specialists, who possess multiple skills and knowledge about technological practice, via the promotion of expertise, creativity, and innovation. Graduates can work in industrial or government agencies, or private companies or entrepreneurial businesses in related disciplines.

M.Sc. (Technology-Enhanced Learning and Innovation)

The Master of Science in Technology-Enhanced Learning and Innovation program aims at (1) producing academics and researchers to have knowledge, ability, leadership in educational science, and skills in the educational management of innovation and educational technology, by adhering to the principles of good governance, morality, and ethics; (2) developing entrepreneurs or academics to be proficient creators, and to use initiative in the design and development of educational management systems. They can link international science with local wisdom and Thai wisdom, in accordance with science and fast-changing technology. They are able to coordinate and integrate relevant science to be able to benefit education management and learning management and enhance individuals and society.



Program Structure

Plan 1 (A1) Non-coursework	36	credits
A. Thesis	36	credits
Plan 2 (A2) Coursework	39	credits
A. Thesis	12	credits
B. Seminar	3	credits (unaccredited)
C. Core courses	18	credits
- Foundation compulsory courses	6	credits
- Major compulsory courses	12	credits
D. Elective courses	9	credits

Plan 2 (A2) Coursework

Year 1 Semester 1	Year 1 Semester 2	Year 2 Semester 1	Year 2 Semester 2
<ul style="list-style-type: none"> • Innovation and Educational Technology Research Methods • Integrating Educational Technology in Teaching & Learning • Educational Design of Media Environments • Elective Course (1) 	<ul style="list-style-type: none"> • Teaching and Learning with Digital Media • Cognitive Science and Educational Technology • Interactivity and Learning Design • Elective Course (2) 	<ul style="list-style-type: none"> • Elective Course (3) • Seminar in Technology-Enhanced Learning and Innovation 	<ul style="list-style-type: none"> • Thesis

Careers

Academics, entrepreneurs, executives, experts, and researchers who work in both government organizations and/or private sectors in the area of technology-enhanced learning and innovation.

Teaching schedule

- Monday - Friday classes
 - Saturday - Sunday classes
- Semester 1 | August - December
Semester 2 | January - June



Ph.D. (Technology-Enhanced Learning and Innovation)

The Ph.D. in Technology-Enhanced Learning and Innovation program will produce educators and researchers who (1) can create knowledge and educational innovation, and (2) are able to manage education for human resource development which is the main factor that will support the country's competitiveness, by adhering to technology and innovation as a base, and by using education as a tool to enhance the quality of society and culture, through

- creating opportunities for access to lifelong learning, and
- creating values to eliminate materialism and consumption, in order to improve quality of life, allowing people to be able to adapt to changes in society and to aim for Sustainable Development Goals (SDGs).

Program Structure

Plan 1(1.1) Non-coursework	48	credits
•Dissertation	48	credits
Plan 2(2.1) Coursework	54	credits
•Dissertation	36	credits
•Core courses		
- Foundation compulsory courses	6	credits
- Major compulsory courses	6	credits
•Elective courses	6	credits
•Seminar	2	credits (unaccredited)

2(2.1) Coursework

Year 1 Semester 1	Year 1 Semester 2	Year 2 Semester 1	Year 2 Semester 2- Year 3 Semester 2
<ul style="list-style-type: none"> • Advanced Research Methodology in Education • Emerging Trends in Technology-Enhanced Learning and Innovation • Elective Course (1) 	<ul style="list-style-type: none"> • Advanced Instructional System Design • Cognitive Science and Innovation in Educational Technology • Elective Course (2) • Technology-Enhanced Learning and Innovation Seminar 1 	<ul style="list-style-type: none"> • Elective Course (3) • Technology-Enhanced Learning and Innovation Seminar 2 	<ul style="list-style-type: none"> • Dissertation

Careers

- (1) Teachers teaching in basic or vocational education institutions / public or private higher education institutions in the field of technology-enhanced learning and innovation or related fields.
- (2) Academics and researchers in the field of technology-enhanced learning and innovation.
- (3) Professional practitioners in the field of innovation and educational technology
- (4) Academic staff involved in the training of public or private agencies.

Teaching schedule

- ☑ Monday - Friday classes
- ☑ Saturday - Sunday classes

Semester 1 | August - December
Semester 2 | January - June



<http://ietech.kmitl.ac.th>

KING MONGKUT'S INSTITUTE OF TECHNOLOGY LADKRABANG

Faculty of Industrial Education and Technology
Chalongkrung Road, Ladkrabang, Bangkok 10520
Thailand

For additional information, please contact our Program Director:

Asst. Prof. Dr.. Sirirat Petsangri
Phone +66(0)89 9222 302
Email:sirirat.pe@kmitl.ac.th ,
jirarat.si@kmitl.ac.th ,
chantana.vi@kmitl.ac.th