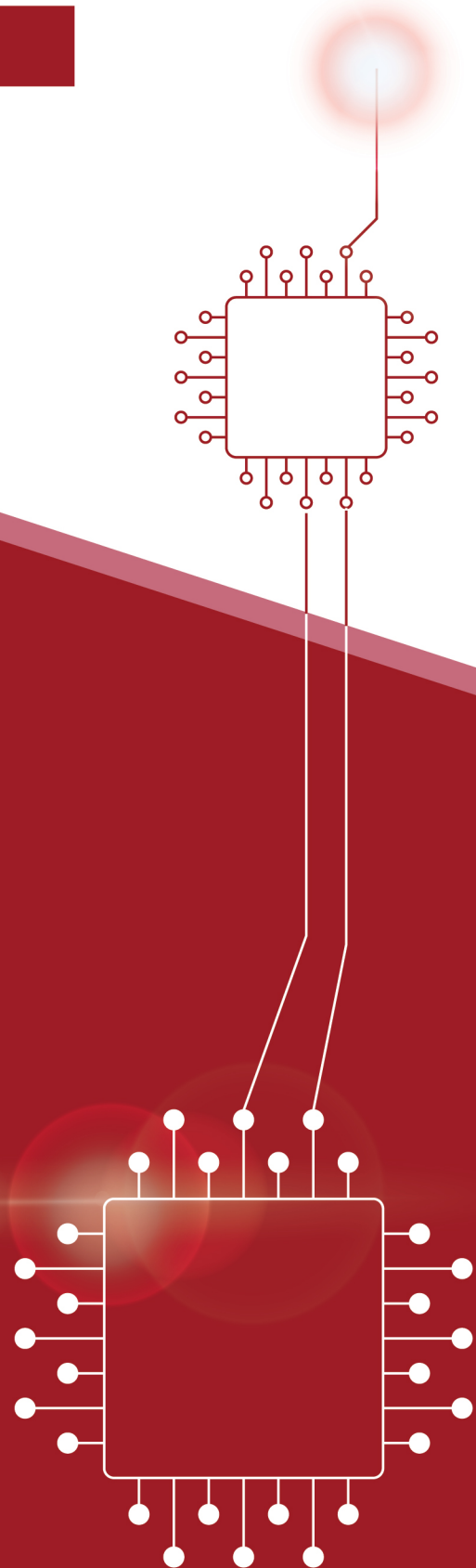# ET

คณะวิศวกรรมศาสตร์และเทคโนโลยี

FACULTY OF **ENGINEERING**
AND **TECHNOLOGY**

PIM Student Manual
for Graduate Level

ET

คณะวิศวกรรมศาสตร์และเทคโนโลยี
FACULTY OF **ENGINEERING**
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คณะวิศวกรรมศาสตร์และเทคโนโลยี
FACULTY OF **ENGINEERING**
AND **TECHNOLOGY**

Faculty
"Engineering and Technology"

Philosophy of the Faculty
"Bring knowledge toward practice, Create innovation,
Have morality, Social responsibility"

Resolution

Aim to produce professionals with insight knowledge who can work,

be creative, and adhere to morality and ethics

Vision
**Creating professionals in the field of engineering and technology
through work-based education**

Mission

1. Creating graduates in engineering and technology with quality that meets standards and meet the needs of the business and industrial sector and the needs of the society by focusing on students to learn from real experiences
2. Creating the body of knowledge, research and development of new body of knowledge in engineering and technology leading to the creation of knowledge and innovations which are the basis for development of the organizations, society and country
3. Creating services to the community and society by provision of academic services on engineering and technology that benefit the industrial sector, community, society and country
4. Enhancing virtues and morality, cultivating students' consciousness to be virtuous graduates, strengthening professional code of ethics, and maintaining good culture
5. Creating organization to develop the Faculty of Engineering and Technology to be more effective and efficient including the increase of its competitive capability to enable it to grow sustainably and the creation of happiness in work performance for the instructors and personnel

Logo and Colors of the Faculty

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FACULTY OF **ENGINEERING**
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Colors of the Faculty: Dark Purple Red Color

The Offered Program/Majors

Bachelor's Degree

1. Bachelor of Science (Digital and Information Technology)
2. Bachelor of Engineering (Computer Engineering and Artificial Intelligence)
3. Bachelor of Engineering (Industrial Engineering and Intelligent Manufacturing)
4. Bachelor of Engineering Program in Automotive Manufacturing Engineering
5. Bachelor of Engineering (Robotics and Automation Engineering)

Master's Degree
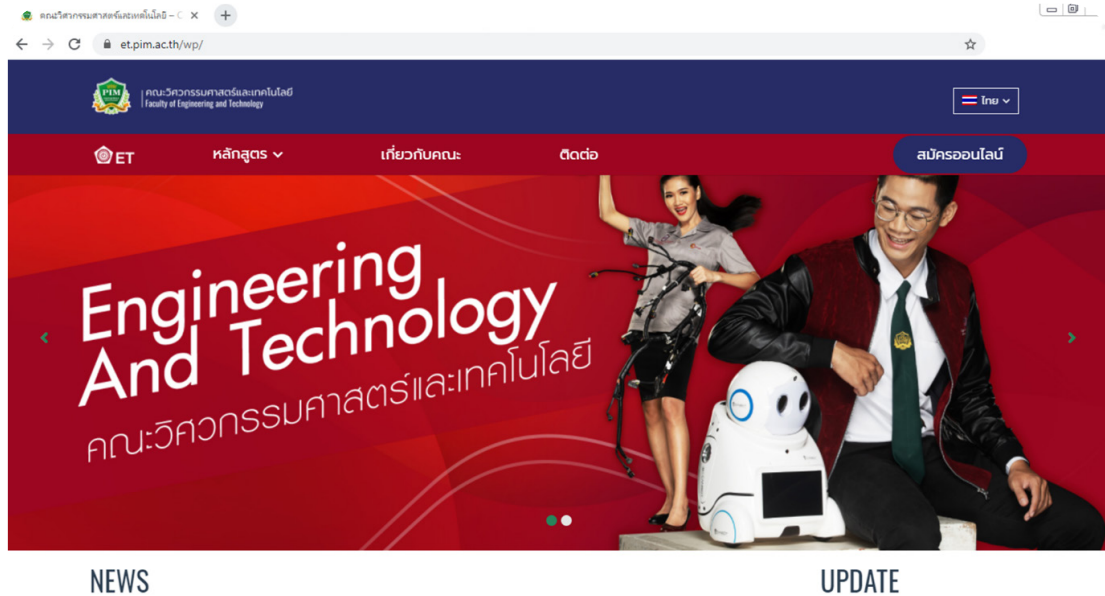
1. Master of Engineering (Engineering and Technology)

Contact

Location: Building 4 (CP ALL Academy), FL.11

Tel: 0 2855 1005, 0 2855 0930

Access to Faculty Information

1. Engineering and Technology website: https://et.pim.ac.th/wp/faculty/master

2. Facebook: https://www.facebook.com/ET.PIM/

Master of Engineering Program in Engineering and Technology (International Program)

Degree Name

Master of Engineering (Engineering and Technology)
M.Eng (Engineering and Technology)

Note: Office of the Ministry of Higher Education, Science, Research and Innovation (MHESI) has acknowledged the curriculum on February 5, 2023

Learning Outcomes of Program

1. Propose solutions to complex engineering and technology problems through the discovery of new knowledge and engineering research processes.

2. Develop engineering processes through analytical thinking with applied research using engineering and technology knowledge and professional practice to create innovation in engineering and technology.

3. Communicate and present information for systematic decision-making based on engineering and technology principles.

4. Make engineering decisions or opinions with awareness of the impact of technology on environmental sustainability, taking into account others' morality and professional ethics.

Career Approaches

The graduates are able to pursue a career in engineering and technology in the public and private sectors

1. Instructors in the fields of engineering, technology and innovation
2. Researchers and developers in the engineering and technology research center
3. Engineers with expertise on engineering and technology in the industry or work agencies that require advanced technology
4. Executives in the engineering and technology research office or research center who must understand the process of research and development and can select the appropriate advanced technology
5. Computer engineering specialist, artificial intelligence, digital technology and information in the public and private sectors.

Details of Tuition Fees

1. The total tuition fees of 300,000 baht is set for the whole program, and payment of tuition fees for the whole semester at the rate specified by the Institute according to the normal 4-semester study plan.

2. Students who attend regular semester must pay tuition fees for the whole semester at the equal rate of 75,000 baht per semester for every semester.

3. The tuition fees for the whole semester do not include the following expenses:
   - Prerequisite course fees
   - Fees for overseas study tours (if any)
   - Books and learning documents in the course
   - Fees for thesis examination/independent study/comprehensive examination (in case of repeat examination) and other fees according to the announcement of the Institute
   - Other expenses according to the Institute's announcement

Study Plan

1. Courses for Students, Track ก Type ก1
First Academic Year

Semester 1			Semester 2		
Course Code	Course Title	Credit	Course Code	Course Title	Credit
1374701	Thesis (for track ก type ก 1)	9	1374701	Thesis (for track ก type ก 1)	9
	Total	9		Total	9

Second Academic Year

Semester 1			Semester 2		
Course Code	Course Title	Credit	Course Code	Course Title	Credit
1374701	Thesis (for track ก type ก 1)	9	1374701	Thesis (for track ก type ก 1)	9
	Total	9		Total	9

2. Courses for Students, Track ก Type ก2
First Academic Year

Semester 1			Semester 2		
Course Code	Course Title	Credit	Course Code	Course Title	Credit
1372701	Research Methods in Engineering and Technology	3	1372704	Seminar on Engineering and Technology 2	2
1372702	Seminar on Engineering and Technology 1	2	1372705	Industrial Research Project 2	2
1372703	Industrial Research Project 1	2	1373XXX	Elective Course 1	3
	Total	7		Total	7

Second Academic Year

Semester 1			Semester 2		
Course Code	Course Title	Credit	Course Code	Course Title	Credit
1373XXX	Elective Course 2	3	1374702	Thesis (for track ก type ก 2	12
1373XXX	Elective Course 3	3			
1374702	Thesis (for track ก type ก 2)	4			
	Total	10		Total	12

Information Master of Engineering (Engineering and Technology):

http://checo.mhesi.go.th/UnivSummary2.aspx?id=25572501101957_2125_IP&b=0&u=25000&y=

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FACULTY OF **ENGINEERING**
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Produced

**Office of Academic Affairs
and Educational Standards**