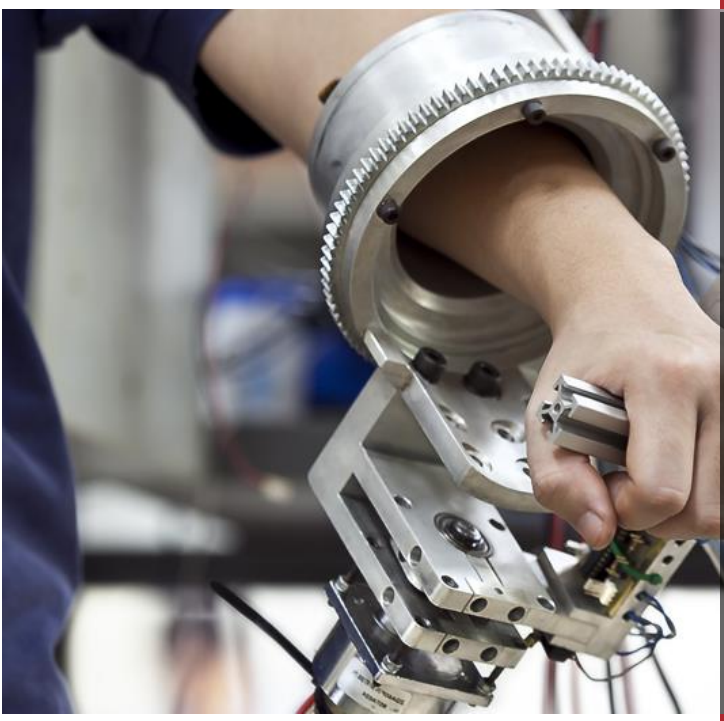
AIT
Asian Institute of Technology

SCHOOL OF ENGINEERING AND TECHNOLOGY



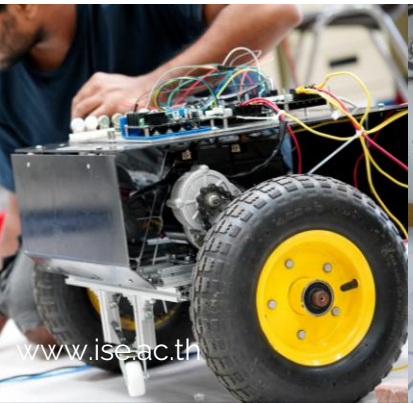
MECHATRONICS AND MACHINE INTELLIGENCE (MMI)

INDUSTRIAL SYSTEMS ENGINEERING

ABOUT THE PROGRAM

Mechatronics and Machine Intelligence (MMI) program provides knowledge and practical skills through synergic integration of mechanical, electrical and information technology for robots and machines design and development.

This program offers a unique curriculum that trains the students to design and develop mechanisms, electronic circuits, controllers, and machine intelligence algorithms.



KEY COURSES

- Required Courses: Control Theory, AI and Neuro-Fuzzy Theory
- Elective Courses: Sensing and Actuation, Automation Technology, Deep Learning for Computer Vision, Deep Reinforcement Learning, Kinematics and Dynamics of Mechanisms and Robots

RESEARCH FOCUS AREA

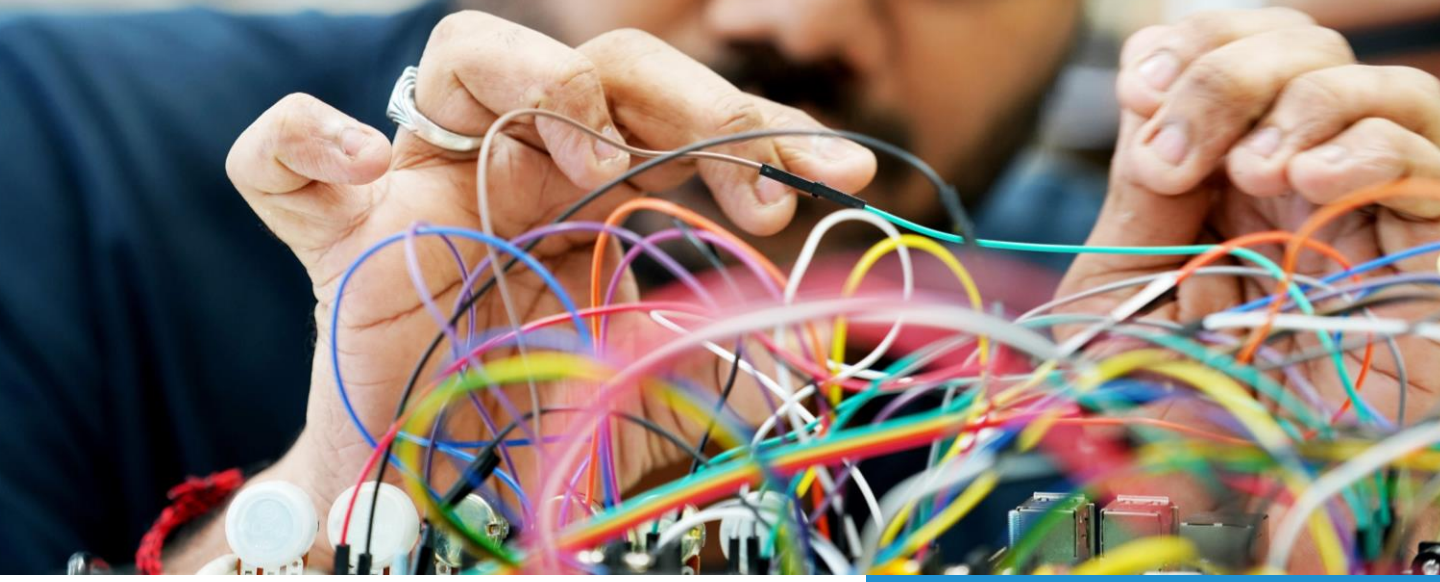
- Automation technology
- Robotics prototype
- Artificial intelligence
- Sensing and Actuation
- Navigation and Balancing Control
- Drilling Process
- Multiple Robots
- Deep Learning
- Orbit Control

DEGREE PROGRAMS

- Doctoral degree program
- Master's degree program
- Professional master's degree program*

** Three years experience is required*

www.ise.ac.th



ELIGIBILITY REQUIREMENTS

To be eligible for admission to the regular *Master's program*, an applicant must:

- Hold a Bachelor's degree (normally from a four-year program), or its equivalent, in an appropriate field of study from an institution of good standing acceptable to AIT;
- Have undergraduate grades significantly above average; the minimum cGPA requirement for admission to the Master's Program is 2.75 or equivalent, at the Bachelor's degree level;
- English Proficiency Requirement: AIT-EET:6 or IELTS-Academic:6 (writing 6) or TOEFL Paper: 550 (writing 59-61) or TOEFL CBT: 213 (writing 25-26): TOEFL IBT: 80 (writing 21-23);
- Be in satisfactory physical and mental health, and have a record of good conduct;

To be eligible for admission to *the Doctoral degree program*, an applicant must:

- Have strong academic records (both undergraduate and graduate) and normally hold a four-year bachelor's degree, and a Master's degree, preferably with a combination of course and thesis work, from an institution of good standing, acceptable to AIT. The minimum cGPA requirement for admission to the doctoral program is 3.50 or equivalent, at the Master's degree level.
- Submit a brief outline of dissertation research proposal (5-10 pages) including the required research facilities, if necessary.
- Two recommendation letters.

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PREFERRED BACKGROUND

Master Program
Undergraduate degree in electronics, electrical engineering, mechanical engineering, computer engineering or science; other engineering disciplines.

Doctoral Program
One should have a good master's degree in one of the above disciplines.

CONTACT US

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DEPARTMENT OF INDUSTRIAL SYSTEMS ENGINEERING