Globalizing Youth

Redefining Technology

School of Engineering and Technology
1959
SEATO Graduate School of Engineering is established.

1967
The Constituent Assembly of Thailand approve legislation for the Charter of the newly named Asian Institute of Technology in October.

1973
His Majesty King Bhumibol Adulyadej of Thailand graciously presides over the opening of the new campus in Pathumthani in February.

1986
Asian Disaster Preparedness Center establish at AIT.

1988
AIT was the site of the first email sent in Thailand. It developed the country’s first top level domain name “@ait.ac.th.”
SELECTED INTERNATIONAL RECOGNITION

1987
United States Aid for International Development and the National Research Council of the United States, in recognition of significant contributions to science and technology over the past 25 years.

1989
Ramon Magsaysay Award for International Understanding.

1995
AIT received the Asian Management Award for Development Management from the Asian Institute of Management in Manila, for its contributions to human resources development and sustainable development in the region.
2006
H.E. Prof. Banh Tien Long, Vice Minister, Ministry of Education and Training, Vietnam, presented his country’s prestigious “Friendship Order” to AIT.

2011
AIT received “Excellent Research Awards for Year 2010” from the Thailand Research Fund (TRF).

2013
Prof. Kanchana Kanchanasut, Vice President for Research, was inducted into the global “Internet Hall of Fame”.
AIT Ratings

Rated best in 7 disciplines, perfect score of 5 in 5 disciplines

- **5.0** Civil and Infrastructure Engineering
- **5.0** Industrial Systems Engineering
- **5.0** Energy
- **5.0** Environmental Engineering & Management
- **4.3** Regional & Rural Development Planning
- **4.0** Aquaculture & Aquatic Resources Management

TRF INDEX
3rd Research Ratings 2014
RESEARCH
EMPLOYABILITY
TEACHING
FACILITIES
INTERNATIONALIZATION
INNOVATION
INCLUSIVENESS

Engineering & Technology
- #2 Thailand
- #210 World

Social Science & Management
- #3 Thailand
- #283 World
Key Facts Today at AIT

1,713 Students from 41 Countries / Territories (38% Female)

21,589 Alumni from 100 Countries / Territories

30,000+ Short-term Trainees from 70+ Countries / Territories (AIT Extension)

78 Internationally recruited Faculty from 20+ Countries

101 Adjunct Faculty / Visiting Faculty

Approximately 450 Sponsored Research Projects – 1.6 Billion THB

449 Publications in 2014

200+ Active Partnerships with various Universities / Institutions / Organizations
Current Students at AIT
(1,713 Students from 41 Countries/Territories) In January 2016 Semester

<table>
<thead>
<tr>
<th>Country</th>
<th>Count</th>
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<tbody>
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<td>Thailand</td>
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<tr>
<td>Vietnam</td>
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<tr>
<td>India</td>
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<td>Lao PDR</td>
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<td>Nigeria</td>
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<td>Iran</td>
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<td>Malaysia</td>
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<td>USA</td>
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<td>Kenya</td>
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<td>Taiwan</td>
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<td>Tanzania</td>
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<td>Timor-Leste</td>
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<td>Uzbekistan</td>
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</table>
21,589 AIT ALUMNI from 100 Countries/Territories as of December 2015

- Thailand: 27.45%
- Vietnam: 16.94%
- Nepal: 5.58%
- India: 5.45%
- Bangladesh: 5.14%
- Sri Lanka: 4.85%
- Philippines: 4.49%
- Taiwan: 4.17%
- Pakistan: 4.09%
- China: 4.05%
- Myanmar: 3.32%
- Indonesia: 3.79%
- Cambodia: 1.96%
- Laos: 1.59%
- Malaysia: 1.52%
- Europe: 1.57%
- Middle and Central Asia: 1.06%
- Africa: 0.48%
- North America: 0.24%
- Others: 2.26%
SCHOOL OF ENGINEERING AND TECHNOLOGY (SET) is multicultural hub of higher learning in engineering and technology, offering state-of-the-art multidisciplinary programs and cutting-edge research in partnership with the industries for sustainable growth of the region.

SET enhance its academic portfolio by emphatically injecting the “5i” features namely internationality, innovation, integration, information technology and industrial partnership
“To develop highly qualified engineers and technologists who play leading roles in promoting the region's industrial competitiveness in its integration into the global economy.”
EDUCATION at SET

• Professionalism across Disciplines
• Flexible Curriculum
• Real-Life Problems and Industrial Practice
• Small Class Sizes in Multicultural Environment
• Global Network of Experts
• Opportunity for Student Exchange and Internship
DEGREES & AWARDS

- Master's Degree (Full time)
  - Master of Science (M Sc)
  - Master of Engineering (M Eng)
- Professional Master's Degree
- Double/Joint Master's Degree

- Doctoral Degree
  - Doctor of Philosophy (PhD)
  - Doctor of Engineering (D Eng)

- Unified Bachelor-Masters Degree programs
- Postgraduate Diploma
- Postgraduate Certificate
DURATION OF STUDY

- Master’s Degree: 22/24 months, 4 semesters
- Doctoral students: 36 months (6 Semesters)
- Diploma program: 2 Semesters
- Certificate program: 1 Semester
- Unified Bachelor-Master Degree programs: 5 years
SET Facts and Figures

Recognized for its multinational, multi-cultural ethos, SET operates as a self-contained international community.

- 1227 multinational students;
- 34 full time multinational faculty;
- 58 visiting/adjunct multinational faculty;
- 107 research and support staff;
- 32 sponsored research project in 2016;
# SET DEPARTMENTS

## CIVIL AND INFRASTRUCTURE ENGINEERING
- Construction, Engineering and Infrastructure Management
- Geotechnical and Earth Resources Engineering
- Structural Engineering
- Transportation Engineering
- Water Engineering and Management

## INDUSTRIAL SYSTEM ENGINEERING
- Microelectronics and Embedded Systems
- Mechatronics
- Nanotechnology
- Industrial and Manufacturing Engineering

## INFORMATION AND COMMUNICATION TECHNOLOGY
- Computer Science
- Information Management
- Telecommunications
- Remote Sensing and Geographic Information Systems

## INTERDISCIPLINARY PROGRAMS
| Information and Communications Technologies | Geo-system Exploration and Petroleum Ge-engineering | Offshore Technology and Management | Disaster Preparedness, Mitigation and Management |
Special Degree Programs

**Double/Joint Degree Masters**
- University of Nice Sophia Antipolis, France
- Telecom Sud Paris, France
- UNESCO – IHE, Netherlands

**Unified International Bachelor – Masters Degree** (currently with India and Thailand)
- AIT and Partner University jointly conducts entrance interview/test
- Year I & III in partner university
- Year IV (2nd semester) jointly in AIT and partner university
- Year V in AIT

**Customized Professional Masters Degree** (currently in Vietnam)
- Geo- System Exploration & Petroleum
- Geotechnical Engineering & Management
- Industrial & Supply Chain Management
- Project Management in Construction
Some of the TOP Employers

SIEMENS  
GE  
PricewaterhouseCoopers  
Deloitte & Touche LLP  
International Monetary Fund

LOEWE  
Pawon  
Mahaphant  
IFAD

Double A  
CPF  
Johnson Electric  
amadeus

World Bank  
KPIT Cummins Infosystems Limited  
Halliburton  
DHL

L’Oréal  
Siam Cement Group

Ajitai Gita Group  
Bumrungrad International  
Reuters
Civil & Infrastructure Engineering

Civil engineering fields have promoted modern methodologies, emerging technologies and innovative materials for the design and construction of safe and economical infrastructure in the region.
ISE focuses on industrial competitiveness and innovation for sustainable growth in the region.
Industrial System Engineering
Information & Communication Technologies

Laboratories: Computer Science and Information Management
Information & Communications Technologies

Laboratories: Telecommunications
- Transmission & Switching
- Network Planning Lab
- Wireless Lab
- Communication Lab

DSP Starter KIT
Digital Real Time Oscilloscope
Nokia Digital Switching Exchange DX200

Transmission Line Analyzer
Network Measurement System
ISDN Phones
Optical Fiber Transmission System
Information & Communication Technologies

Laboratories: Remote Sensing and Geographic Information System

- The Digital Image Processing Laboratory room
- Institute-Wide GIS Laboratory room
- Asia e-learning Project Experiment room
ACTIVITIES
Thank You