

2017

ASIAN INSTITUTE OF TECHNOLOGY
ANNUAL REPORT





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COVER PHOTO

Aung Thur

Super Blue Blood Moon at AIT Clock Tower (31 January 2018)

This Annual Report was compiled and produced by Karma Rana, Izel Ann Mojado-Dante, Namita Sravat, Sanjeev Jayasinghe, Shawn Kelly, Amalia Canullas, M Zia Islam and Sarina Pradhan Thapa with the technical and editorial support of the Office of Media and Communications (OMCO) and the involvement of all AIT employees. The report was edited by Dr Paul Bruthiaux (External Editor), and designed by Nadhika Mendhaka. AIT wishes to thank the many people who rendered their assistance in preparing this report.

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ASIAN INSTITUTE OF TECHNOLOGY (AIT)

BOARD OF TRUSTEES

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Former Minister of Foreign Affairs of
Thailand

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Scholarship Council, People's Republic of
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Advisor, King Mongkut's University of
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Sustainable Development

Dr. Za-Chieh Moh
Chair of the Board, MAA Group Consulting
Engineers

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Former AIT Vice President

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Education Commission

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Ambassador of Japan to Thailand

H.E. Mr. Kjetil Paulsen
Ambassador of Norway to Thailand

H.E. Mr. Jesús Miguel Sanz Escorihuela
Ambassador and Head, Delegation of the
European Union to Thailand

Ex-Officio Members

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President, AIT

Assoc. Prof. Somchet Thinaphong
President, AIT Alumni Association (AITAA)

Ex-officio Participants

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Vice President for Academic Affairs, AIT

Prof. Kazuo Yamamoto
Vice President for Administration, AIT

Mr. Surendra Shrestha
Vice President for Development, AIT

Prof. Mukand S. Babel
Chair of Academic Senate, AIT

Prof. Pennung Warnitchai
Faculty Representative, AIT

Mr. Wanchai Sophonsakulrat
Staff Representative, AIT

Mr. Sudheer Yadav
President, Student Union, AIT

Executive Committee

Chair

Prof. Emeritus Dr. Sahas Bunditkul
Former Deputy Prime Minister, Interim Minister of Foreign Affairs of Thailand

Vice-Chair

H.E. Pradap Pibulsonggram
Former Ambassador of Thailand, Thailand Representative to the ASEAN Connectivity Coordinating Committee

Members

Trustees

Mr. Cao Shihai
Deputy Secretary-General, China Scholarship Council (CSC)

Assoc. Prof. Kraiwood Kiattikomol
Advisor, King Mongkut's University of Technology Thonburi (KMUTT)

Dr. Sumate Yamnoon
Former Secretary-General, Office of the Higher Education Commission of Thailand

Non-Trustees

Dr. Apichart Anukularmphai
Advisor to Deputy Prime Minister

Mr. Robert James Kay
Executive Vice-President, GMS Power Public Co., Ltd.

Mr. Lee Pit Teong
Chair of iGroup (Asia Pacific) Ltd.

Prof. Karl E. Weber
AIT Emeritus Professor and Former AIT Vice President

Ex Officio Members

H.E. Dr. Subin Pinkayan
Chair of the Board, Former Minister of Foreign Affairs of Thailand

Prof. Worsak Kanok-Nukulchai
President, Asian Institute of Technology

Audit Committee

Chair

Dr. Sumate Yamnoon
Former Secretary-General, Office of the Higher Education Commission of Thailand

Members

Ambassador Pradap Pibulsonggram
Former Ambassador of Thailand, Thailand Representative to the ASEAN Connectivity Coordinating Committee

Mr. Robert James Kay
Executive Vice-President, GMS Power Public Co., Ltd.

Mr. Lee Pit Teong
Chair of iGroup (Asia Pacific) Ltd.

Secretary

Ms. Saowarot Buabok
AIT Internal Auditor

MESSAGE FROM THE CHAIR OF THE AIT BOARD OF TRUSTEES



In 2013, I was called upon to take up the responsibilities as Chair of the Board of Trustees. This was at the height of a very difficult period for AIT, following the inundation of the campus in 2011 followed by the serious governance crisis of 2012. Thanks to the Ministry of Foreign Affairs of Thailand, which was put in charge of the execution of the AIT Enabling Act, the deadlock that paralyzed AIT was resolved by its declaration of the continued use of the original AIT Charter of 1967 (2510). It was primarily in that spirit that I accepted the daunting task of acting as Chair of the Board. Since then, the Board of Trustees has worked tirelessly to resolve the various remaining governance issues and has successfully put the Institute back on a stronger footing.

I would especially like to commend the leadership of the AIT President, Professor Worsak Kanok-Nukulchai, for having systematically and successfully resolved the many administrative issues, especially the Institute's financial health and the deteriorating infrastructure of the campus. During his Presidency, AIT has gone through a major process of renaissance.

After President Worsak informed the Board that he did not wish to seek a second term, the Board conducted a global search following which a new President was appointed and will take office from September 1, 2018. From this perspective, 2018 is going to be a year of transition from President Worsak to the incoming President. It is very important to ensure that the transition is a smooth one and that the new Administration consolidates and builds upon the good work carried out by President Worsak as we approach the Institute's 60th anniversary celebrations. On behalf of the AIT Board of Trustees, we sincerely thank President Worsak for his significant contributions to AIT.

In conclusion, I wish to convey my gratitude to all members of the Board of Trustees, Executive Committee, partners, alumni, and friends, who have rendered their full support to AIT and continue to reach out in different ways. Our tasks and responsibilities will continue as we share the same aim, which is to move forward for the betterment and brighter future of the Institute.

A handwritten signature in blue ink, which appears to read "Subin Pinkayan". The signature is fluid and cursive.

Dr. Subin Pinkayan
Chair
Board of Trustees
Asian Institute of Technology

MESSAGE FROM THE PRESIDENT



I assumed the position of AIT President in July 2013, and in 2017, I announced to the Board of Trustees that I would not seek another term of office. In the remaining period until August 31, 2018, my last day in office, I intend to continue focusing my efforts on improving AIT's governance and ensuring that the Institute's financial health is in a strong and stable position as we enter the transition to a new president.

I am pleased to report that in 2017, the Institute recovered from its worst crisis and is now reasonably healthy. When I took office as Acting President and later as President in 2013, AIT was besieged with many burning issues, while we faced limited resources and a severe loss of trust from our stakeholders in general. Needless to say, in the aftermath of the floods, the AIT community faced one of its most challenging and trying periods. Post-flood, there was a sense that AIT had lost its stature.

Given our depleted financial reserves along with many pressing needs, even a minor mistake could have pushed AIT toward a path to collapse. Under this survival mode, as President, I had to take full control of almost all operations in order to ensure that our strategic plan to rescue AIT could be executed to perfection. However, every crisis comes with a golden opportunity, and this disaster provided AIT with a rare chance to reset itself for a new life. Five key steps helped it reach this stage, namely: (1) regaining the trust of the Royal Thai Government; (2) participation in international ranking systems; (3) rejuvenation of the campus facilities and environment; (4) reorganization of AIT's academic structure; and (5) implementation of incentivized Responsibility Center Management (RCM).

As our most immediate task, we had to normalize our relationship with Thailand, the host country, after this relationship was strained by AIT's decision to award its degrees under a premature Charter that was not ratified by the host country in 2012. With a lot of hard work, helping hands, and luck, we succeeded in regaining the Royal Thai Government's trust and in securing the return of our annual budget. AIT thus regained its financial stability, and subsequently our annual surplus has risen and in 2017 was by far the best since the peak of the crisis following the floods. The current amount of the Institute's General Reserve and Capital Fund is about the same as at the last peak in 2009.

Another pressing issue was how to regain public confidence in our academic standing. As a postgraduate-only institute, AIT was not eligible to participate in the three major world university rankings. This led to speculation that AIT's world ranking might be off the lower limit of the chart. As President, I took this particular issue very seriously. We directly explored with the major ranking organizations. We found that even though AIT was not eligible for the world university rankings as an Institute, it could participate in the QS World University Subject rankings. As it turned out, for three years in a row (2014–2017), all the traditional subject areas covered by AIT have been world-ranked, on par with many well-known universities in the West. Being located in Thailand, we also sought to enter the Thailand University Rankings organized by the Thailand Research Fund (TRF). In its first official participation, AIT secured top-score in 7 out of the 10 participating disciplines. It was a proud moment for AIT to receive the Thailand's Grand Prize for obtaining the most top scores among all universities operating in the country. These measures helped us regain the trust of the host country as well as that of our partners. Finally, in the rankings conducted by the European Union's U-Multirank, AIT was able to regain its Worldwide Top International University position again in 2017, jointly with seven (7) other universities around the world.

We have also successfully undertaken a much overdue reorganization of AIT's academic structure by removing the earlier "silo" structure. The new structure integrates closely related fields into departments, which are the smallest academic administrative units at AIT. While some departments still need time for faculty to gel, we have already seen some vibrant collaborations among faculty members across different fields. Aligned to this, we have also implemented the Responsibility Center Management (RCM) concept, which allows all schools and outreach centers to be accountable for their respective units. In addition, all service centers have been streamlined to make them more efficient and delivery-oriented.

Another important task was to care for our campus and its environment. Our campus was damaged by the 2011 floods, to the point where many thought it could not be saved. A great deal of thinking and planning went into this effort. As we were experiencing cash flow difficulties, repairing and rejuvenating the campus had to be carried out in phases, which would also ensure minimum disturbance to our ongoing academic activities. At the end of 2017, as can be seen, the campus environment shows no signs of distress or flood damage. Many visitors comment that our campus looks even better than it did before the flooding.

Ironically, if it were not for the floods, there would have been little chance of the AIT library being modernized. Our 40-year-old library would have continued to be outmoded as merely a static collection of books and documents. We were able to galvanize the loyal participation of AITians, friends, and partners into presenting our beloved AIT the wonderful gift of a modernized library to fittingly serve its current and future generations of international students. The worldwide challenge for university libraries today is their adaptation to changes in terms of information access through the internet and digital media. The modernization of the AIT Library was both urgent and essential, even before the floods. It would have remained static as no more than a traditional reading space and would have likely become a dinosaur in the digital age had it been unable to adapt to changes in learning technologies.

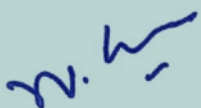
Today, in 2017, AIT's modernized library is ready to serve as a platform for information providers and an integrated service center of the learning community on campus. AIT's modern Library is connected to the idea of "a third space," i.e., a public, open space between working office and private residence. While all books and documents are shelved on the second floor, the ground floor serves as a venue for meetings and provides co-working spaces for the AIT community. Aside from its spacious learning area, the Library provides 16 group discussion rooms that can be booked online, a modern teleconference meeting room, a multimedia training room, and an online studio for delivering online lectures. In addition, the AIT Library also serves as a venue for hosting cultural activities via its Knowledge Garden, such as concerts and musical performances by students. The strengths of its services lie in its quality and distribution of resources as all students can now gain access to library resources from the comfort of their dormitories on campus.

One thing is for certain: AIT's modern library would not have come to fruition without the overwhelming financial support of AIT's corporate partners, alumni, former and current faculty, staff, students, and friends, who altogether donated over THB 80 million in cash and kind. We are grateful to the International Advisory Committee, with Her Royal Highness Princess Maha Chakri Sirindhorn as the Honorary Chair, for its strong support and encouragement.

This generous donation not only allowed AIT to afford a modern library that meets the needs of the digital age, but also enabled the use of some of the funds from the flood insurance payment for the renovation of AIT's age-old infrastructure and for putting the final touches to our campus.

In conclusion, I take this opportunity to express my sincere thanks to all members of the AIT community for the kind advice, support, and encouragement they rendered during my presidency.

Sincerely,



Professor Worsak Kanok-Nukulchai

President

Asian Institute of Technology

Institutional Highlights

JANUARY



Soft opening of modernized AIT library facilities
20 January 2017



Dr. Tissa Illangasekare appointed to US Nuclear Waste Technical Review Board
6 January 2017



225 students from 23 countries enroll at AIT
6 January 2017



Launch of flagship Innovation and Leadership Program for International students
16 January 2017



IDEA R&D Center & IDEA-EEM Laboratory established at AIT
20 January 2017

FEBRUARY



AIT Student Union Cultural Show
19 February 2017



Mentorship Memorandum with Savannakhet University, Lao PDR
20 February 2017

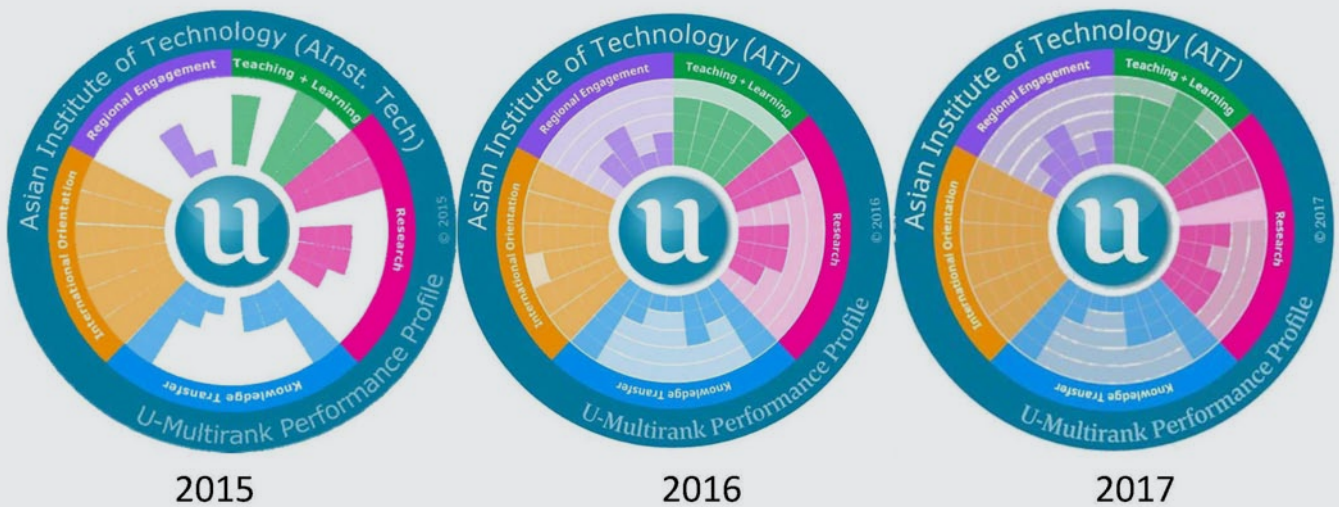


Eight Pacific Island countries learn how to build geo-spatial databases
Participants came from Cook Islands, Fiji, Kiribati, Micronesia, Samoa, Solomon Islands, Tonga, & Vanuatu
6 Feb - 3 Mar 2017



MoU with Central Institute of Forensic Science (CIFS)
27 February 2017

MARCH



AIT ranked No.1 international university once again, bags 12 perfect scores in U-Multirank
30 March 2017



Seven subjects at AIT recognized in "2017 QS Ranking by Subject"
8 March 2017



**31 companies participate in
AIT Career Fair**
29 March 2017



**Giant Prawn returns to Thailand,
courtesy AIT**
20-24 March 2017



**Agreements signed with Phnom Penh
International University
& Asia Euro University, Cambodia**
29 March 2017

APRIL



AIT among founding members of Eastern Economic Corridor of Innovation (EECi)
5 April 2017



MTR Academy, Hong Kong, and AIT to jointly develop pilot subject on Rail System Administration and Management
4 April 2017



Prof. Kanchana Kanchanasut is 2017 Network Startup Resource Center-Internet2 Fellow
23 April 2017



MoU with Meiji University, Japan
10 April 2017



AIT signs MOU with University of Salzburg, Austria
7 April 2017



AIT International Food Fair
11 April 2017

MAY



Prof. Za-Chieh Moh donates 1.1 M Baht for Geotechnical Laboratory



Family dedicates AIT annual scholarship & prize in memory of former President Robert B. Banks



480 Students from 5 Continents conferred degrees
19 May 2017



Launch of Innovation Laboratory (ilab)
24 May 2017



Joint research agreement with Institute of Urban Environment, Chinese Academy of Sciences (IUE-CAS)
8 May 2017

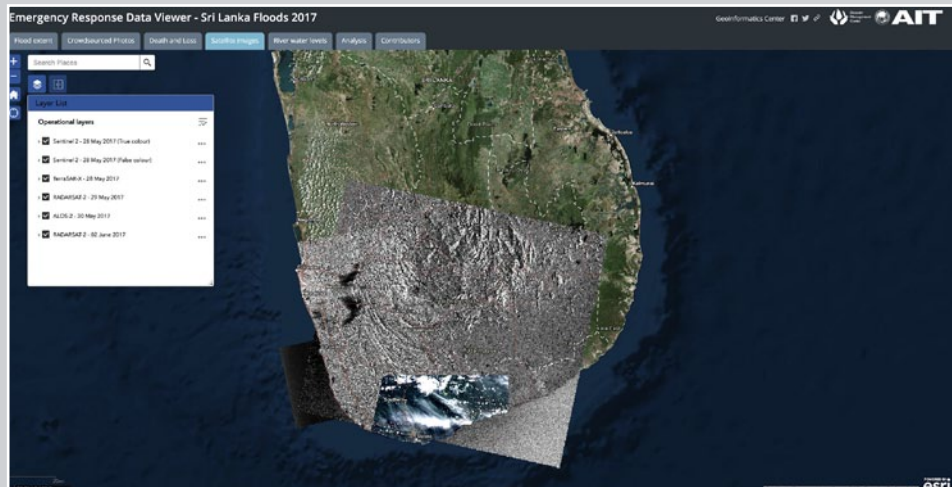


Index International announces three scholarships
30 May 2017

JUNE



**AIT alumnus appointed
Deputy Minister
of Construction in
Myanmar**
5 June 2017



AIT produces dynamic emergency response maps for Sri Lanka floods



**Alumnus
Dr. Sutat Weesakul
appointed Director,
Hydro and Agro
Informatics Institute**



**Canadian Ambassador
seeks to rejuvenate ties**
2 June 2017



**AIT teams up with Thailand Center of
Excellence for Life Sciences
on IP management**
13 June 2017



**AIT to provide customized professional
training to Power Grid
Company of Bangladesh**
9 June 2017



**AIT develops river health assessment
framework for Mekong River Basin**



**GeoS4S International Summer School
concludes**
2 June 2017

JULY



AIT receives largest-ever corporate grant to establish Bangchak Initiative and Innovation Center

25 July 2017



Thai alumni and Siam Yamato Steel donate for new Clock Tower

4 July 2017



AIT awarded Certificate of Appreciation by Indian President's Secretariat

10 July 2017



JFK Foundation donates 500,000 THB for Thanat Khoman Memorial Lecture

18 July 2017



AIT-Tiger Leong camp attracts 25 student leaders and innovators from 9 countries

24 Jul - 4 Aug 2017



AIT hosts fourth International Academic ELLTA Conference

25-27 July 2017



Timor-Leste Ambassador visits AIT

31 July 2017

AUGUST



AIT's new batch comes from 33 countries and they hail from Oceania, Asia, Europe, Africa, and North & South America
4 August 2017

AIT STRENGTHENS PARTNERSHIP WITH KURITA



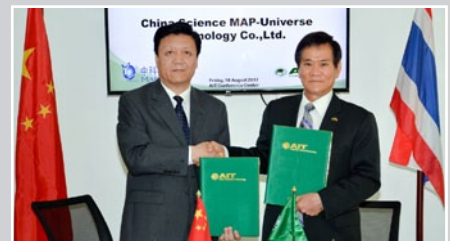
Award of Kurita Scholarship Certificates
16 August 2017



Silver-Jubilee celebrations of KWEF
25 August 2017



Belt and Road Initiative will unleash global transformations: Expert
18 August 2017



AIT signs agreement with China Science Map-University Technology Company
18 August 2017



Deputy PM admires AIT's autonomous stair climbing wheelchair
23-27 August 2017



Two million THB donation by GMS Power and White Group
1 August 2017

SEPTEMBER



AIT joins NPU to establish International Community of Innovation and Entrepreneurship
16 September 2017



Southeast Asian Geotechnical Society celebrates its golden jubilee at AIT
14-15 September 2017



AIT students receive certificates at DAAD's 60th-anniversary celebrations
10 September 2017



AIT President calls for establishment of new BRI universities platform
23-24 September 2017

OCTOBER



Finland's ambassador seeks to revitalize ties with AIT
12 October 2017



AIT student wins 500,000 THB Swiss Innovation Challenge
26-30 October 2017



AIT Cultural Show
15 October 2017



AIT is now registered
as an Official
Technology and
Innovation Research
Organization

The screenshot displays the AIT website's homepage. At the top is the AIT logo and navigation links: Home, About, Admissions, Programs, Rankings, and Contact Us. A search bar is located in the top right corner. The main banner features a woman using VR equipment with the text 'Innovation Lab gets underway at AIT'. Below the banner are two columns: 'NEWS' and 'EVENTS'. The 'NEWS' section includes three articles: 'Aspire to be like Malala Yousafzai: Bangladesh Ambassador exhorts AIT students' (December 14th, 2017), 'New book on Climate Events and Disaster Mitigation' (December 13th, 2017), and 'Experts Stress the Importance of mainstreaming Disaster Risk Reduction in Education' (December 11th, 2017). The 'EVENTS' section lists upcoming events: 'Talk on Opportunities in Oulu, Finland' (Tue Dec 19th 1:30pm - 2:30pm), 'Orientation Day' (2018 Fri Jan 5th 9:00am - 4:00pm), and 'Training Programme on Economics of Climate Change Adaptation' (2018 Mon Mar 12th 9:00am - Fri 23rd 9:00am).

AIT launches a modern redesigned website

NOVEMBER



AIT graced with a royal audience at the Chulachomklao Royal Military Academy (CRMA) exhibition

5 November 2017 (2)

45 AIT scholars have a royal audience with HRH Princess Maha Chakri Sirindhorn (1, 3)



Pakistan Ambassador for Expansion of Cooperation with AIT

8 November 2017



Sri Lankan Minister Seeks AIT's Expertise in Food and Agriculture Technologies

1 November 2017



AIT signs agreement with Siam University to offer Unified Bachelor Master degree programs

9 November 2017



IFERT Deliberates on the use of Education for Transforming Rural Areas

13-15 November 2017



Eastern Economic Corridor: Challenges and Opportunities – talk by AITAA (thailand)

23 November 2017



AIT partners with Balochistan Development Network

17 November 2017

DECEMBER



MoU with Bhutan Power
11 December 2017



**International Conference on Mainstreaming Resilience and
Disaster Risk Reduction in Education**
1-2 December 2017



128th Graduation
14 December 2017



Annual Fun and Sports Day
11 December 2017

REPORTS FROM THE ADMINISTRATION AND RESPONSIBILITY CENTERS

This chapter provides an overview of the key activities undertaken by the Vice Presidents (VPs), School Deans, and Responsibility Centers (RCs) during 2017. A Responsibility Center (RC) is a unit that is expected to generate sufficient revenues to fully cover its direct and indirect expenses. As a financial incentive, an RC retains part of its net surplus into its Capital Fund.

The Responsibility Center Management (RCM) concept was created at the University of Pennsylvania in the early 1970s as a response to a financial crisis, and is now widely used in most universities in the US. RCM provides an incentive structure that encourages and rewards revenue generation and cost saving at all levels. It requires awareness among all faculty and staff members of the financial implications of decisions at the policy and operational levels.

Under the RCM system, a unit at AIT can be categorized as either a Responsibility Center (RC) or a Service Center (SC).

Currently, AIT has three (3) Academic RCs:

1. School of Engineering and Technology (SET)
2. School of Environment, Resources, and Development (SERD)
3. School of Management (SOM)

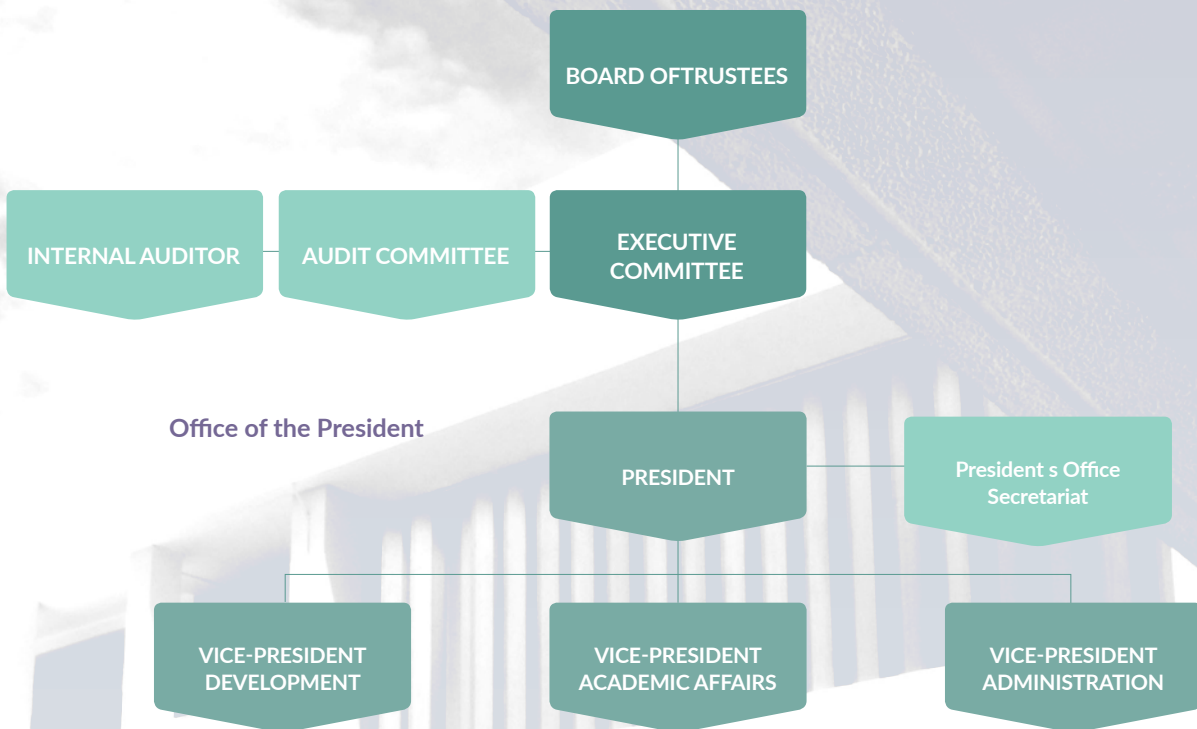
and 11 Outreach RCs

1. AIT Extension
2. AIT Solutions
3. AIT Center in Vietnam (AITCV)
4. Internet Education and Research Laboratory (intERLab)
5. Special and Online Degree Programs
6. Language Center
7. Center of Excellence in Nanotechnology (CoEN)
8. Regional Resource Center for Asia and the Pacific (RRC.AP)
9. Geoinformatics Center (GIC)
10. AIT Assets
11. AIT International School (AITIS)

A Service Center (SC) is a unit whose primary purpose is to provide services and support to the President, VPs, Deans, and Outreach RC Directors within the policy and budget framework set by the Board and the President.

The SCs consist of the following units: Office of the President (OPRE); Institute (INST); Office of Academic Administration (OAA); Office of Advancement (OADV); Office of Finance (OFIN); Office of External Relations (OEXR); Office of Human Resources Services (OHRS); Office of Facilities & Assets Management (OFAM); Office of Host Country Relations (OHCR); Office of Student Affairs (OSA); Office of Media & Communications (OMCO); Office of Procurement, Inventory & Assets (OPIA); and the AIT Library (LIB).

AIT ORGANOGRAM



Outreach & Research Centers



Schools



Service Centers



ACADEMIC AFFAIRS

At the Asian Institute of Technology (AIT), students benefit from challenging academic programs and by participating in relevant research projects conducted in Thailand and across the Asian region. Through a rich and varied curriculum, students are presented with ample opportunities for intellectual growth. The academic programs follow a multidisciplinary approach to education that couples real life problems with the latest in education and technology.

1. Academic Recognition (participation in EU Multirank)

AIT was ranked no.1 in International Orientation. AIT also obtained a score of "A" for on-time graduation, research publications (size normalized), external research revenues, income from continuous professional development, and income from private sources.

2. Academic Senate

Academic program development at AIT is a continuous process of renewal and forward thinking that seeks to match its expertise with the latest needs of the Asia-Pacific. AIT embodies two defining strengths: its scientific and technology expertise in fields such as civil and industrial engineering, environment, energy, food, disaster management, IT and informatics, sustainable development in the context of climate change, and management of technology; and its internationality.

The academic program development, that is initiated at School and Department level comes under the purview of the Academic Senate, which is a body responsible for recommending to the President policies for developing and conducting academic programs and policies, reviewing and establishing curricula, awarding of degrees and diplomas, and evaluating faculty productivity and performance. It is also responsible for recommending through the President to the Board nominations for the Honorary Doctorate Degree. It is comprised of all full-time Professors, Associate Professors, Assistant Professors, Instructors and Visiting Faculty with a period of appointment of not less than one year. It determines the conduct of its own affairs other than those described above, and may form committees, working groups and task forces as deemed appropriate to report to the Academic Senate or act on its behalf.

During the year 2017, the Academic Senate under the chairmanship of Prof. Mukand S. Babel, met once monthly as per scheduled meetings in the academic calendar. The reports are received from the standing committees of the AS, namely the Academic Development Review Committee (ADRC), Doctoral Program Review Committee (DPRC) and Undergraduate Program Review Committee (UGPRC) [Please see Box below for the functions of these AS standing committees]. Also the Issues from Vice President Academic Affairs are informed and deliberated on if needed, and he also reports on the recommendations of the Faculty Evaluation Panel with regards to faculty appointments, contract renewal and promotions; and any other issues. The School Deans are also asked to report on any issues they deem necessary to report to the Academic Senate.

- The ADRC is tasked to process Institute-wide academic matters such as review periodically the courses, academic curricula and current academic fields offered; review proposals for new academic activities, and guidelines for their implementation; to develop and recommend rationalization of academic activities and courses; and to develop policies and procedures which will foster a supportive environment for and facilitate research activities of the Institute, especially with regard to their relevance and impact on the educational programs of the Institute.
- The DPRC is tasked to review the progress of the doctoral students; review of external examiners and subsequently making recommendations on external examiners appointment to the Vice President for Academic Affairs; and review/initiate policies for the doctoral program.
- The UGPRC is similarly tasked to review the progress of undergraduate students and review/initiate policies for the undergraduate students.

In the Year 2017, the AS endorsed in total 783 students as candidates for award of degrees (ranging from doctoral, masters, professional masters, special, diploma, certificate of advanced studies, and bachelors) during its two formal graduation ceremonies (May and December), and one informal graduation (July).

The other key highlights of the Academic Senate's decisions during the year 2017 were:

2.1 Revised Curriculum of AIT Academic Programs

The revised curriculum for the SERD's Academic Programs as listed below was endorsed based on the recommendation of the ADRC that is responsible for reviewing the curriculum:

- i. AgriBusiness Management
- ii. Natural Resources Management
- iii. Urban Environmental Management
- iv. Rural and Regional Development Planning
- v. Gender and Development Studies
- vi. Disaster Preparedness, Mitigation and Management

The academic programs listed from ii-vi are under the Department of Development and Sustainability, and under the spirit of integration, their curriculum structure was revised and adjusted to include three new department-wide courses [Introduction to Development and Sustainability (2credits), Introduction to Research Design and Methods (1credit) and Statistics for Development Studies (1credit)].

The revised curriculum for the SET's Academic Programs as listed below were reviewed and completed by the ADRC. However, they are planned to be reported for AS endorsement in Year-2018, upon receiving the final version from the concerned programs.

- i. Water Engineering and Management
- ii. Mechatronics
- iii. Microelectronics and Embedded Systems
- iv. Industrial Engineering and Management
- v. Design and Manufacturing Engineering
- vi. Logistics and Supply Chain Management

The academic programs listed from ii-vi are under the Department of Industrial Systems Engineering.

2.2 Strategic Transformation of School of Management

The presentation was made by the SOM Dean, Prof. Lawrence Abeln on the proposed strategic transformation of SOM in order to rebuild its scale of limited resources and increase its diminishing revenue by: running of the evening and weekends classes in the downtown, reducing the number of total credit requirement for masters from 48 to 36 credits and duration of program completion reduced to one-year from two-year, waiving-off the publication requirement for the Doctor of Business Administration (DBA), etc. There were lengthy deliberations regarding the changes proposed vis-à-vis academic curriculum structure changes, and some unclear plans. The AS noted that it is important that the SOM faculty reviews the proposed programs against the current AIT policies and procedures, indicating the changes and how they will be implemented. Furthermore it was noted that while the AS is supportive and are even ready to organize special ADRC and AS meetings for the SOM's proposed new programs, it is important that SOM submits the documentation to the AS soonest possible for timely launch of these revamped programs. Subsequently, upon review by ADRC/AS, the following were endorsed along with any concerns and comments raised noted for administration's purview.





- i. Policy and Procedure Statement on Curriculum Structure of the School of Management
- ii. One-Year Master of Business Administration, SOM

2.3 New Academic Programs

The following programs were endorsed, based on the recommendation of the ADRC that reviewed them.

- i. Two-Stage Masters Degree Program to be jointly offered by the AIT's Disaster Preparedness Mitigation and Management together with Public Health Institute (PHI), Sudan.
- ii. Masters Program with Specialization in High Efficiency Irrigation System in Water Engineering and Management
- iii. Professional Masters Program in Water Engineering and Management

2.4 Strengthened Plagiarism Check

The strengthened plagiarism check was endorsed by the AS based on the DPRC recommendation. The plagiarism check would be applicable to all the students of AIT (Masters, Doctoral students and even the Undergraduate students). The overall similarity index (excluding bibliography/references) allowed would be around 15% or less with not more than 5% similarity from one particular source. Furthermore, the students will now be enabled to view the plagiarism results online through Tur-

nitin web interface, and they could make multiple submissions till it is acceptable percentage (15%) of similarity. This would make plagiarism checking more effective and faster. The result of plagiarism check for each submission made by the student would be emailed to the respective Advisor for information and action if any.

2.5 Revised Regulation on External Examiner Appointment

Based on the DPRC recommendation, the AS endorsed the revised guidelines on external examiner who should preferably be at Professor/Associate Professor or equivalent rank in recognized academic or research institutions, and the form to be used for external examiner appointment.

3. Academic Performance Audit Report

A step forward in academic developments was initiated in the Year 2017 by the Vice President for Academic Affairs Office, Prof. Sivanappan Kumar, with the preparation of academic performance audit report in terms of education performance, research performance and technology/knowledge transfer, thereby understanding and evaluating the current situation, trends, and the challenges/issues AIT is facing, and accordingly address and overcome them and move forward.

3.1 Student Enrollment

The schools and the administration conduct a number of activities to bring in students to the institute. This is mainly targeted for the August intake, and includes, visits to the universities, joining fairs and exhibitions, AIT Day activities, advertisements in media (on and off line), personal contacts with alumni, discussions with sponsors, international organizations and private sector, initiation of joint programs, such as the integrated Bachelor-Masters program, dual degree programs, etc. In 2017, a new unit (AIT STARS) was also initiated to use social media and related technologies to inform and bring in potential students, including new admissions system and website (fully online); online verification system for AIT academic records.

Tables 1 and 2, and Figures A and B, show the trends of school wise new intakes of all programs including Master, Doctoral, Professional Master and UG during the last five years 2012-2017. The number of new students who enrolled in the January intake has increased during this period, mainly due to the unified students from partner universities in India (JNTU-K and JNTU-H). The trend of applications and enrollments in the last few years in August has been 400+ students.

In 2017, of the total 1,939 applications, a total of 697 new students joined AIT. In the January semester, 238 new students enrolled from 25 different countries from four different regions, namely, Southeast Asia and the Pacific, South

Table 1 | Comparison of overall application status for January intake: 2012-2017

School	2012	2013	2014	2015	2016	2017
SET	310	363	314	409	390	478
SERD	211	220	179	161	185	202
SOM	242	205	176	149	142	82
SET-SERD	8	18	18	10	6	17
SERD-SOM	0	20	3	3	1	4
Total	771	826	690	732	724	783

Degree	2012	2013	2014	2015	2016	2017
Doctoral	96	78	78	49	69	69
Masters	669	695	505	514	516	526

Table 1 | Comparison of overall application status for January intake: 2012-2017

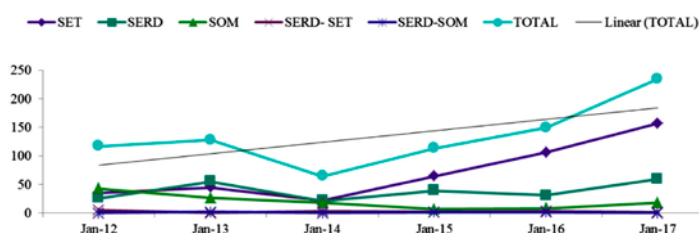


Figure A | New intake trends of January semester 2012-2017

School	Applications					Offers					Confirmations					Enrolled								
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017
SET	692	586	741	647	650	627	540	466	521	499	575	552	158	186	179	218	247	217	147	182	178	214	247	217
SERD	591	604	640	555	481	545	433	496	490	459	421	491	160	173	166	150	160	134	152	165	159	146	160	134
SOM	224	218	201	194	159	244	124	132	126	121	125	127	074	073	059	062	050	060	073	072	059	059	050	060
SERD-SET	052	058	021	027	021	026	040	049	017	024	018	022	018	015	005	008	012	015	013	013	004	010	012	015
SERD-SOM	038	009	010	012	008	001	027	005	007	009	006	000	023	003	002	001	003	000	024	003	002	002	003	000
TOTAL	1610	1475	1613	1435	1319	1443	1177	1148	1161	1112	1145	1192	446	450	411	439	2488	426	419	435	402	431	472	244

Table 2 | Comparison of overall application status for August intake: 2012-2017



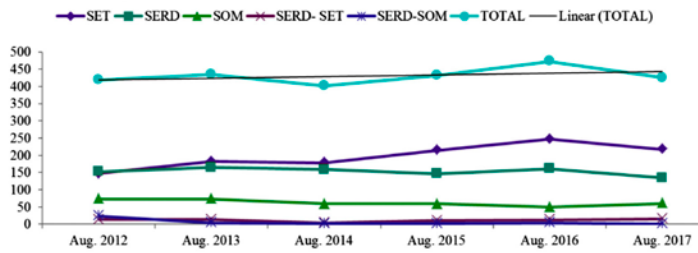


Figure B | New intake trends of August semester 2012-2017

School	Department	Jan-16	Aug-16	Jan-17	Aug-17
SET	ICT	279	283	337	302
	ISE	331	297	325	271
	CIE	660	612	652	597
	School-total	1270	1192	1314	1170
SERD	FAB	174	180	167	129
	EECC	195	192	214	219
	DS	188	184	167	164
	School-total	557	556	548	512
SOM		372	334	277	235
SERD-SOM		8	10	8	6
SERD-SET		31	40	33	43
Institute total		2238	2132	2180	1966

Table 3 | Number of total enrollment

and West Asia, East and Central Asia and Europe. Of these, 68% enrolled in the School of Engineering and Technology (SET), 24% in the School of Environment, Resources, and Development (SERD), 7% in the School of Management, and the rest in interdisciplinary programs. Approximately 26% of students were women. In this intake, 9% of the funding was from scholarships administered by AIT, 47% from external donors, 33% from AIT fellowships, and 11% from self-support.

In the inter-semester and August Intakes, 459 new students were from 34 countries from all continents: 56% from Southeast Asia and the Pacific, 35% from South and West Asia, 4% from East and Central Asia, 3% from Europe, 1% from Africa, and 1% from the US and Canada. Around 53% of these students were enrolled in SET, 29% in SERD, 15% in SOM, and 3% in interdisciplinary programs. Approximately 45% of these students were women. In this intake, 35% of the funding was from scholarships administered by AIT, 30% from self-support, 23% from AIT fellowships, and 12% from external funding.

Average total enrollment (new and continuing students) in 2017 was 2,099 from 52 countries. Of these, 61% were enrolled in a masters program, 19% in a doctoral program, 16% in a bachelor's program, and the rest in other programs, with 59% enrolled in SET, 25% in SERD, 13% in SOM, and the rest in interdisciplinary programs. The male-female distribution was around 66-34%.



3.2 Graduation

A total of 783 students graduated in 2017. Of these, 67% obtained masters or professional masters degrees, 9% doctoral degrees, and 24% bachelor's degrees.

AIT confers degrees at three times in a year (May, July and December). Table 4 gives the number of graduates including all types of degree programs ranging from master, professional master, doctoral, special, certificate, diploma and UG during 2012-2017, and Figures C and D present the trend of graduation by the three schools and types of degrees. The trend of graduates has been increasing in the last few years.

Table 5 gives the total number of graduates from all degree programs in 2016 and in 2017 according to the departments. It also gives the number of students for all degree programs taking note of the fact that each degree program has a different period for completion. In 2017, overall 66% of students graduated on time. The standard time taken to complete the various degree programs is as follows:

- ♥ 4 semesters for Master
- ♥ 8 semesters for Bachelors
- ♥ 2 semesters for Professional Master & Diploma
- ♥ 7 semesters (minimum) for Doctoral program (only a minimum time period is specified, due to the nature of the doctoral program).

(Note: Typically, Professional Masters' students take at least 3 semesters to graduate, and doctoral students usually take longer time to graduate)

3.3 Career Center

Career Center organized two Career Fairs in 2017. A total of 1,281 visitors attended where 1,053 were students. Also 28 Career Talks (16 conducted by companies) were organized with 631 students taking part. The Career Center facilitated internship placements of nine (9) students in companies that participated in the Career Fairs, and also assisted 146 undergraduate students in obtaining internships by providing recommendation letters.

School	2012	2013	2014	2015	2016	2017
SET	310	363	314	409	390	478
SERD	211	220	179	161	185	202
SOM	242	205	176	149	142	82
SET-SERD	8	18	18	10	6	17
SERD-SOM	0	20	3	3	1	4
Total	771	826	690	732	724	783

Degree	2012	2013	2014	2015	2016	2017
Doctoral	96	78	78	49	69	69
Masters	669	695	505	514	516	526
Diploma	6	4	1	-	1	2
Bachelor	-	49	106	169	138	186
TOTAL	771	826	690	732	724	783

Table 4 | Number of graduates during 2012-2017

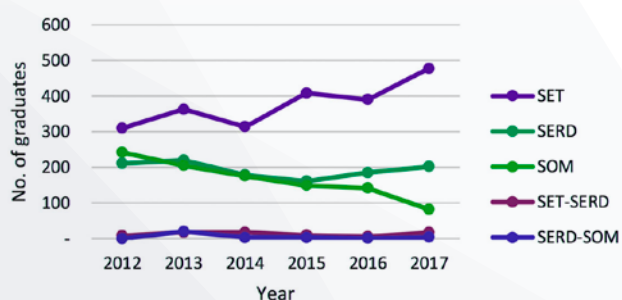


Figure C | Trend of graduates by schools

School	Department	2016	2017
SET	ICT	77	107
	ISE	78	111
	CIE	236	260
	School-total	391	478
SET	FAB	38	84
	EECC	81	71
	DS	65	47
	School-total	184	202
SOM		140	82
SERD-SOM		6	4
SERD-SET		3	17
Institute total		724	783
Graduation on time		434	518
Percentage		60%	66%

Table 5 | Number of graduates

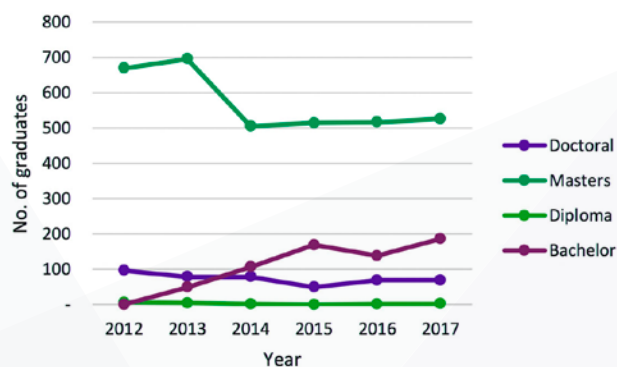


Figure D | Trend of graduates by degrees

3.4 Faculty and Teaching Performance

The faculty members are well-established international experts in their respective fields, who have taught over 20,000 masters and doctoral graduates, living and working in over half of the world's countries. AIT faculty members have created tremendous amounts of new knowledge of benefit to society through wide publications in international journals. They continuously serve as consultants in numerous national and international development projects.

In 2017, 5 new faculty members were appointed, 1 was promoted from Associate to Full Professor and 1 from Assistant to Associate Professor level, and 13 contract were renewed. In addition, 51 faculty members were appointed as Visiting/Adjunct/Affiliated (one year and above) and 175 were appointed as Visiting/Adjunct/Affiliated (up to one year).

In addition, recognition was accorded to Prof. ATM Nurul Amin by appointing him as Professor Emeritus. Also, to recognize the faculty contributions to the Institute through their teaching performance, two faculty members were accorded with teaching awards, which is mainly based on student evaluation of course and teaching. The recipients were Dr. Tanujjal Bora of Nanotechnology for less than 15 students category and Dr. Kunawee Kanitpong of Transportation Engineering in the category of 15 students or more.

AIT regular faculty are expected to teach a minimum of 9 credits in a year. The results from the data presented in Table 6, 7, 8 and 9 indicate that in general teaching performance of faculty is satisfactory. The table 6 gives the department-wise teaching workload in 2016 and in 2017.

Faculty	Faculty Headcount Annual Average	Faculty Strength in FTE*
SCHOOL OF ENGINEERING AND TECHNOLOGY		
Full-time Faculty	34	34
Visiting Faculty >1y	5	5
Visiting Faculty <1y	8.08	4.04
Adjunct Faculty	34.83	8.71
Total	81.92	51.75
SCHOOL OF ENVIRONMENT, RESOURCES AND DEVELOPMENT		
Full-time Faculty	28.5	28.5
Visiting Faculty >1y	3.08	3.08
Visiting Faculty <1y	4.25	2.13
Adjunct Faculty	9.25	2.31
Total	45.08	36.02
SCHOOL OF MANAGEMENT		
Full-time Faculty	6.92	6.92
Visiting Faculty >1y	0	0
Visiting Faculty <1y	7.5	3.75
Adjunct Faculty	5.5	1.38
Total	19.92	12.04
ASIAN INSTITUTE OF TECHNOLOGY		
Full-time Faculty	69.42	69.42
Visiting Faculty >1y	8.08	8.08
Visiting Faculty <1y	19.83	9.92
Adjunct Faculty	49.58	12.4
Total	146.92	99.81

* FTE is computed by multiplying the headcount by the FTE factors, where 1 is used for Chair Professor, Professor, Associate Professor, Assistant Professor, Instructor, and long-term Visiting Faculty; 0.5 for short-term Visiting Faculty; and 0.25 for Adjunct Faculty.

Figure E | Faculty, December 2017

School	Depart.	Average course credits taught	Average No of master students graduates (chaired only)	Average No of PhD students graduates (chaired only)
SET	CIE	9.9	8.5	1.1
	ICT	9.5	6.8	0.5
	ISE	9	3.8	0.6
School-wide average		9.6	7	0.8
SERD	EECC	11	6.3	0.9
	FAB	13.4	3.7	0.5
	DS	11.2	3.4	0.6
School-wide average		11.7	4.2	0.7
SOM		9.5	4	0.7
Institute-wide average		10.5	5.7	0.8

Table 6 | Faculty's Teaching Load in 2016-2017

	Jan 2016	Int 2016	Aug 2016	Jan 2017	Int 2017	Aug 2017
SET Total	132	32	124	135	29	130
School-wide Courses	7	7	7	8	5	9
ICT	20	11	27	26	6	26
ISE	21	1	23	20	2	21
CIE	84	13	67	81	16	74
SERD Total	71	16	70	77	20	73
School-wide Courses	7	3	5	6	4	18
FAB	17	1	15	21	0	15
EECC	18	9	30	25	8	24
DS	29	3	20	25	8	16
SOM Total	42	13	41	33	9	35
Total SERD-SET (DPMM)	4	1	9	3	0	6
Total SERD-SOM						2
Institute Total	249	62	244	248	58	246

Table 7 | Number of courses offered during 2016-2017

School	Departments (FoS)	January 2016		Inter 2016		August 2016	
		No of faculty	Average Score	No of faculty	Average Score	No of faculty	Average Score
SERD	FAB (includes ABM, ASE, FEBT, AARM)	17	4.3	1	4.58	6	4.6
	EECC (E, EEM, CCSD, EBM, UWEM, GDS, UM)	18	4.5	9	4.5	30	4.5
	GD (RRDP, UEM, NRM, DPMM)	34	4.4	6	4.7	20	4.5
	School wide	69	4.4	16	4.6	56	4.5
SET	ISE (IEM, DEM, ME, NT, MES)	26	4.4	-	-	30	4.3
	ICT (TC, RSGIS, IM, CS, ICT)	20	4.5	12	4.5	23	4.5
	CIE (CEIM, GTE, STE, TE, WEM, OTM)	74	4.5	11	4.6	57	4.5
	School wide	120	4.5	23	4.6	110	4.4
SOM (the same as school wide)		34	4.4	6	4.7	26	4.4
SERD-SET		4	4.7	-	-	7	4.6
Institute wide		227	4.5	45	4.6	199	4.5

Table 8 | Teaching assessment 2016

Table 7 shows number of courses offered including all types of degree programs (except for UG courses) by the three schools in the considered period. The number of courses offered by departments in each semester is provided. On an average, around 240 courses are offered each semester.

Tables 8 and 9 give the faculty's teaching performance assessment. This is based on the survey conducted for each course every semester. Students evaluate the teaching performance using a number of parameters given in a 5-point scale. In case of co-teaching, individual faculty is evaluated. There are 45 questions consisting of 12 for course delivery, 11 for instructor's characteristics, 11 for overall assessment and 3 optional open-ended questions for comments. 5-Likert Scale is used, where, 5 is Strongly Agree and 1 is Strongly Disagree.

School	Depart.	January 2017		Inter 2017		August 2017	
		No of faculty	Average Score	No of faculty	Average Score	No of faculty	Average Score
SERD	FAB	9	4.7	-	-	12	4.7
	EECC	23	4.6	8	4.6	27	4.6
	DS	28	4.4	11	4.6	26	4.5
	School wide	60	4.5	19	4.6	65	4.6
SET	ISE	25	4.5	2	4.2	27	4.5
	ICT	26	4.4	3	4.3	29	4.5
	CIE	71	4.6	6	4.6	45	4.5
	School wide	122	4.5	11	4.4	101	4.5
SOM		11	4.3	2	4.5	14	4.4
Institute wide		193	4.4	32	4.5	180	4.5

Table 9 | Teaching assessment 2017

3.5 Research Performance

The research projects of AIT are expected to contribute to promoting technological change and sustainable development. As of December 31, 2017, 245 sponsored and contracted projects with budget of THB 992,730,943 are ongoing. A total of 160 sponsored and contracted projects with budget of THB 339,459,044 were initiated, out of which 208 sponsored and contracted projects were successfully completed. Below are some examples of ongoing projects that highlight AIT's regional and country development experience, and is not an exhaustive list:

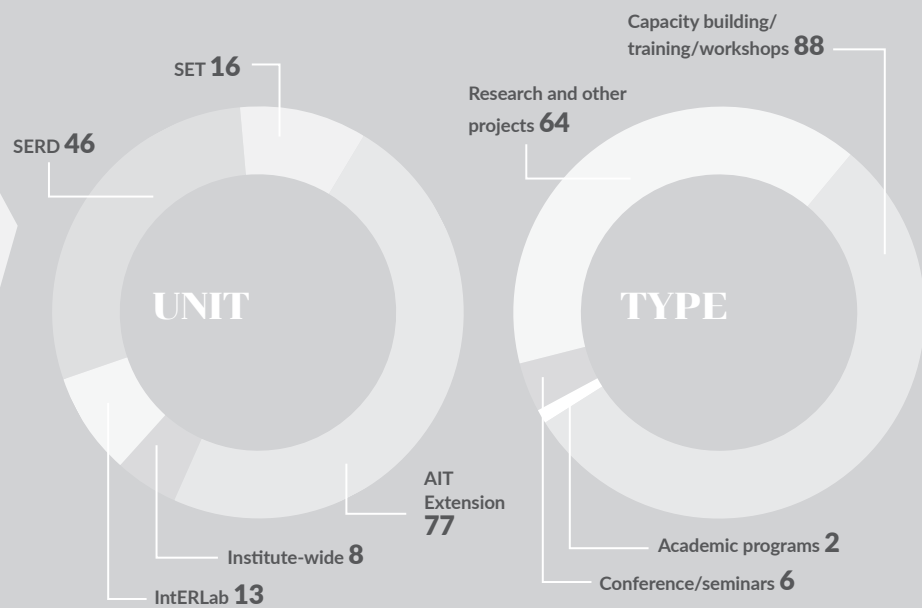
- ♥ The Sustainable Decentralized Wastewater Management in Developing Countries project aims to reinvent decentralized systems and technologies for wastewater treatment and ensure the innovative decentralized systems are saleable and affordable to the urban poor and find sustainable solutions to the current sanitation problems. They have provided solutions to Thailand, Cambodia, India, Bangladesh and Vietnam.
- ♥ The project titled Applying Space-Based Technology and Information and Communication Technology to Strengthen Disaster Resilience aims to assist Armenia, Bangladesh, Fiji, and the Philippines to improve local capacity to collect and share reliable and timely disaster-related data using Space-Based Technology and Information and Communication Technology at a local government and community level in a more cost-effective manner to strengthen their disaster resilience.
- ♥ AIT is the regional center for the project "Technological Needs Assessment Project for Asia and CIS". AIT helps developing countries identify and prioritize their technological needs related to climate change. During 2016 and 2017, AIT conducted capacity building for the government technical personnel of Armenia, Kazakhstan, Malaysia, Philippines, and Pakistan that will enable them to complete their technology action plans and technology needs assessment.
- ♥ AIT is a member of the Climate Technology Centre and Network (CTCN) consortium that is led by UNEP and UNIDO. The CTCN is the operational arm of the UNFCCC Technology Mechanism, hosted by the UN Environment Program and the UN Industrial Development Organization. It provides technology solutions, capacity building and advice on policy, legal and regulatory frameworks tailored to the needs of individual countries. AIT continues to provide expert technical assistance to technological and developmental interventions for countries in the region and beyond as part of this global project.
- ♥ Sustaining and Enhancing the momentum for Innovation and Learning around System of Rice Intensification in the Lower Mekong River Basin project funded by European Commission aims to introduce a "more intelligent pathway" for cultivating rice in Thailand, Laos, Cambodia and Vietnam through sustainable agriculture development and System of Rice Intensification.
- ♥ The Project titled "What is Essential is Invisible": Empowerment and Security in Economic Projects for Low-Income Women in Four Mekong Countries" funded by AUSAID aims to specify under what conditions empowerment and an increase in a sense of security come as a result of economic empowerment and social protection projects. The project provides its development interventions in countries such as Cambodia, Laos, Myanmar, and Vietnam.
- ♥ In 2017, AIT received two EU funded projects (in ISE and in Aquaculture) to help build capacity in Thailand and in the region, respectively.

To encourage researchers, two Distinguished Researcher awards were accorded to Dr. P. Abdul Salam (Energy/SERD) under the Research Leader (senior) category and Dr. Avishek Datta (ASE/SERD) under the Young Researcher (Junior) category. The (senior) researcher award was based on the evaluation of faculty's sponsored activities and publications during the years 2016–2017. The (junior) researcher award was based on the evaluation of faculty's sponsored activities and publications during 2017.

INITIATED PROJECTS IN 2017

TOTAL PROJECT BUDGET

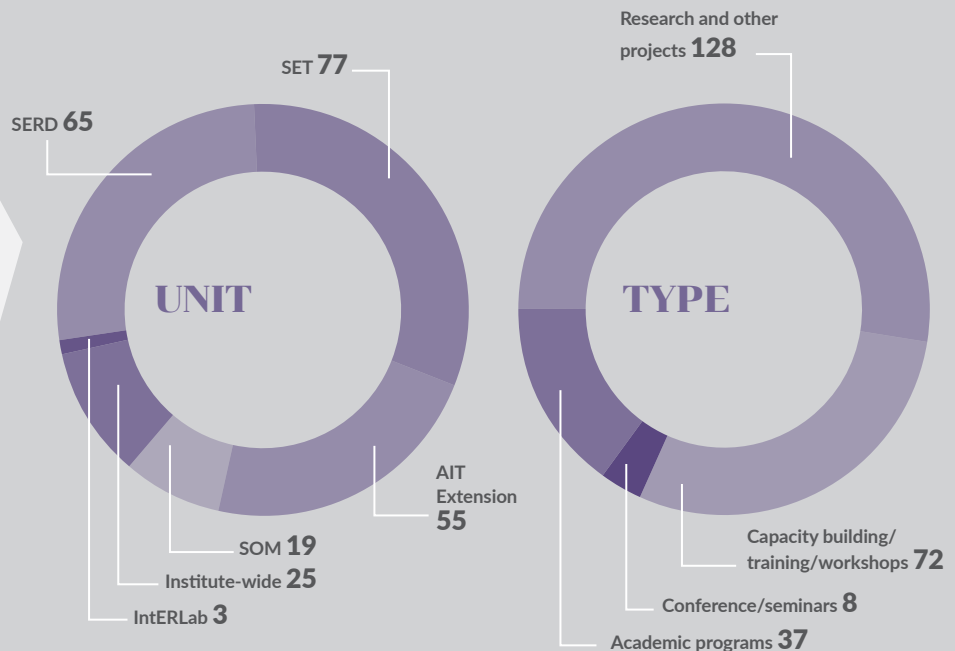
339 Million Thai Baht
160 Total Number of Initiated Projects



ONGOING PROJECTS IN 2017

TOTAL PROJECT BUDGET

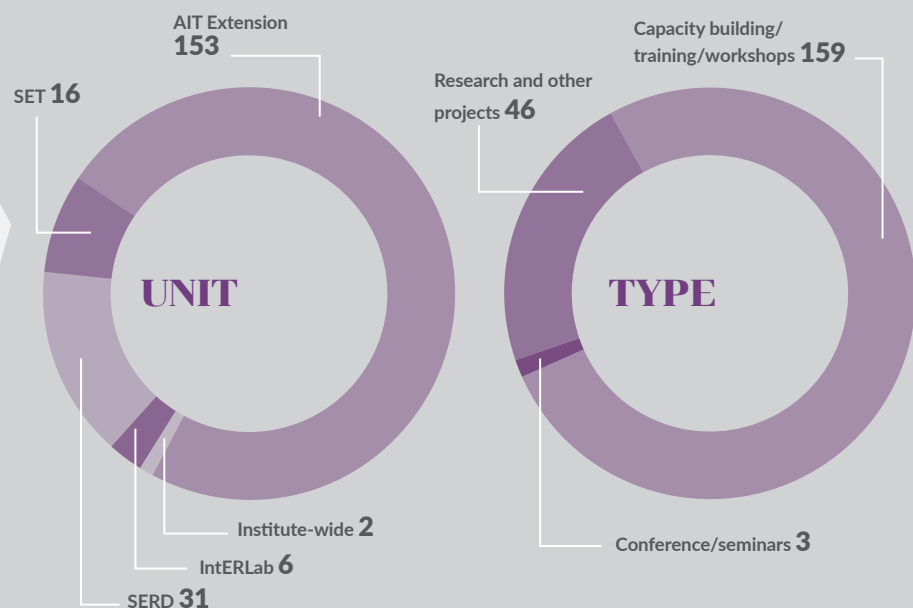
993 Million Thai Baht
244 Total Number of Ongoing Projects

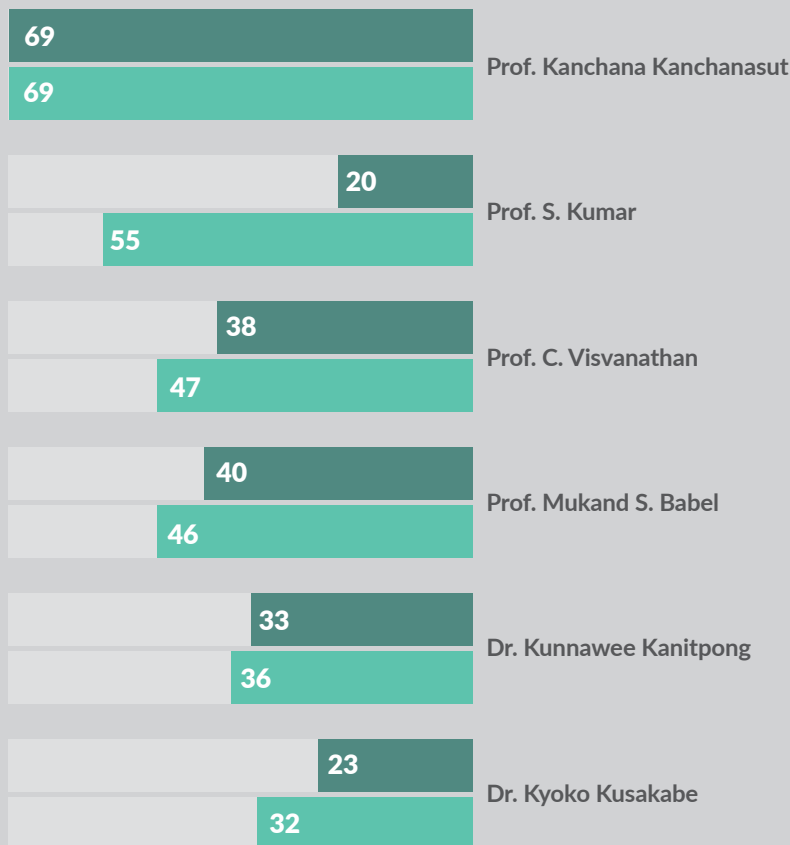


COMPLETED PROJECTS IN 2017

TOTAL PROJECT BUDGET

386 Million Thai Baht
208 Total Number of Completed Projects





TOP PRINCIPAL PROJECT INVESTIGATORS (2006-2017)

■ No. of Projects as PI
■ PI and Co PI

TOP SCOPUS PUBLICATIONS

NO.	DOCUMENT TITLE	AUTHORS	YEAR	CITED
1	On the acceptability of arguments and its fundamental role in nonmonotonic reasoning, logic programming and n-person games	Dung, P.M.	1995	1911
2	Developments in industrially important thermostable enzymes: A review	Haki, G.D., Rakshit, S.K.	2003	588
3	Hydrothermal growth of ZnO nanostructures	Baruah, S., Dutta, J.	2006	422
4	An analytical approach for DG allocation in primary distribution networks	Acharya, N., Mahat, P., Mithulananthan, N.	2012	397
5	Simultaneously mitigating near-term climate change and improving human health and food security	Shindell, D., Kylenstierna, J.C.I., Vignati, E., Van Dingenen, R., Amann, M., Klimont, Z., Anenberg, S.C., Muller, N., Janssens-Maenhout, G., Raes, F., Schwartz, J., Faluvegi, G., Pozzoli, L., Kupiainen, K., Höglund-Isaksson, L., Emberson, L., Streets, D., Ramanathan, V., Hicks, K., Oanh, N.T.K., Milly, G., Williams, M., Demkine, V., Fowler, D.	1989	356

RESEARCH DATA 2017

3.6 Learning, Innovation, and Educational development

Following are the key highlights:

- ♥ Moodle: Accumulated number of courses built in AIT Moodle (<http://moodle.ait.asia>): 172 (SERD: 76, SET: 61, SOM: 15, UG: 10, LC: 10); active users: 2,781.
- ♥ Outreach: Three workshops conducted for faculty and students of Savannakhet University, Laos.
- ♥ Analysis: Reports related to teaching, learning and student engagement were prepared (analysis of AIT's U-Multirank scores, report on Key Performance Indicators (KPI), status and challenges of doctoral programs, analysis of official leave, and length of continuous lectures).

SCHOOL/ FoS	DOCTORAL STUDENTS DISSERTATION	STUDENTS' RESEARCH				TOTAL MASTER'S STUDENT RESEARCH	UG STUDENTS' CAPSTONE PROJECT	TOTAL
		Thesis	Research Studies	Internship	Projects			
SET	25	202	49	1	40	317	160	477
CEIM	3	34	1		38	76		
CIE (UG)							79	
CS	1	6	12			19		
CS (UG)							1	
EL (UG)							7	
GTE	2	19	5			26		
ICT	2	2	3			7		
ICT (UG)							5	
IE (UG)							1	
IM	1	2	12			15		
IME	3	16	1		2	22		
ME	3	14	1			18		
ME (UG)							55	
MES		7				7		
NT		1				1		
OTM		5		1		6		
RSGIS	5	31	2			38		
STE	3	31	3			37		
TC		2	7			9		
TC (UG)							12	
TE		7	1			8		
WEM	2	25	1			28		
SERD	31	135	9		1	176	26	202
AARM	1	10				11		
ABM	4	10				14		
ASE	7	13				20		
BSE (UG)							26	
CCSD		2				2		
E	2	19	6			27		
EEM	4	36	2			42		
FBT	1	12				13		
GDS		7				7		
NRM	5	13				18		
RRDP	4	6	1			11		
UEM	3	7				10		
UM					1	1		
SOM	11		7		32	50		50
BA					4	11		
EMBA (VN)					28	28		
DBA	3					3		
SM-PHD	8					8		
SET & SERD	2	12		2		16		16
DPMM	2	5		2		9		
UWEM		7				7		
SERD& SOM			4			4		4
EBM			4			4		
TOTAL	69	349	69	3	73	563	186	749

ADMINISTRATION

- ♥ Regularly supervised Fundraising and Alumni Affairs' Office (FR & AAO)
- ♥ Chaired monthly meetings of the Outreach & Research Centers Committee (OCC).
- ♥ Met quarterly with non-school Responsibility Center (RC) Directors who are not OCC members to offer support, if required, on administrative coordination.



	2017	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sep	Oct	Nov	Dec
Presidential Office Work													
%Working days: 60.0%(AIT) /40.0%(Univ. of Tokyo)													
Non-School RCs Supervision													
Outreach Center Committee (OCC)								*1					
Meetings with other Directors											*2		
AITCV Steering Committee													
Kurita-AIT Scholarship Management (Donor-side)													
Kurita-AIT Research Grant Management (ca 10 mJPY)													
IDEA(*3) R&D Center Activity Monitoring													
Outreach Activities as VPA (invited lecture etc)													
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec

*1 Meetings with School Deans & Department Heads on enhancement of collaboration between outreach centers and schools

*2 Special AIT Strategic Meeting on ACISAI (Asian Center for Innovation of Sustainable Agriculture Intensification)

*3 IDEA: IDEA Consultants, Inc.

DEVELOPMENT

1. Background

This brief report outlines progress made in implementing ongoing initiatives as well as challenges ahead with the main responsibilities assigned, developing an innovative strategy building on existing initiatives, exploring new partnerships for the implementation of the strategy, and exploring actions designed to enhance partnerships with alumni (AITAA).

2. Work in Progress

Strategy: An Institute Committee has completed the outline of a new strategy building on existing documents. Consultations included discussion with faculty as well as senior staff. The Strategy includes holistic integration of our traditional strengths with a view to delivering on the regional priorities for work-ready graduates for the 21st century. The Strategy proposes a business model that looks more eastern than western. The Strategy and a Resource Plan will be articulated upon confirmation by Management.

Partnerships: Partnerships have focused on governments; raising AIT's visibility, and in-house teamwork.

The following governments have either confirmed or are in the process of confirming that they will provide full scholarships, research grants, or support for short-term training: Afghanistan, Cambodia, India, Indonesia, South Korea, Nepal, and the Philippines. It is envisaged that confirmation will be received for August 2018 admissions for 50 full scholarships and about THB 32 million in research grants and short-term trainings.

To raise the visibility of our Institute, the following actions have been taken: registration with the UN Secretariat, UN ESCAP, International Labor Organization (ILO), United Nations Development Program (UNDP), United Nations Center for Regional Development (UNCRD), and United Nations Environment Program (UNEP). AIT is one of the core partners for Global Forum on Technology for Sustainable Development Goals (G-STIC), a leader among urban and agriculture clusters. AIT is also participating in many higher education forums in the region (Himalayan University Consortium, Afghanistan, Indonesia, Myanmar, Nepal, and the Philippines).

Three Institute-wide initiatives have been established to bring together faculty and staff from Schools and Centers for interdisciplinary teams. The initiatives include: Climate Change, Urbanization and Sustainable Development Goals (SDGs). AIT has started engagement for building capacity in these regional priorities.

Alumni: Alumni are the biggest resource for our Institute. Senior alumni are in positions of power and influence in both the public and the private sectors. All visits and 6 AIT Days were organized, working closely with the Alumni. AIT will have the opportunity to thank our alumni when the confirmations listed above are received in 2018.

3. Challenges

AIT is an established brand known in the region and globally. The second half of the 20th century has seen the establishment and growth of our Institute. AIT faced a multitude of challenges at the start of the 21st century. Building on the AIT Brand, our Institute has the opportunity to serve as a prime capacity-building destination focused on the nexus of technology, development, and knowledge. The challenge is to focus on raising the quality of integrated education as the resource base increases. Some of the key challenges for our Institute include:

a. **Integrated Approach:** 21st-century education is rapidly moving from a “silo” approach to more holistic integrated learning. The issue is not so much what knowledge should be acquired as how to utilize this knowledge for innovative solutions to real problems. The future is in intrinsic motivation and design. AIT must partner and make efforts to stay ahead of the national public universities.

b. **World Class University (WCU):** As the economic center of gravity moves from west to east, countries in Asia will set the norms, values, and standards for higher education for the 21st century. Many of the countries in the region have announced the establishment of WCUs that are more international and autonomous and equipped with substantial resources. The plans currently made by WCUs include moving from teacher-focused to student-focused classrooms. The AIT brand will therefore need to be engaged in supporting the establishment of WCUs. AIT will need to consider franchising its brand across the region and be at the center of the hub as WCUs emerge in the coming years.

c. **Resources for AIT:** Current operational resources are mainly provided through the generous support of the Royal Thai Government. The work done in the past 12 months shows that a business model focusing on meeting capacity building needs in areas of priority to the region is feasible. Building on the AIT brand and quickly adapting to the needs of the region will be the key. An agile AIT adapting to the fast-changing needs of the region will ensure growth and success.

SCHOOL OF ENGINEERING AND TECHNOLOGY (SET)

DEAN
PROF. VORATAS KACHITVICHYANUKUL

1. Financial Performance

The forecast 2017 financial performance showed an increase in surplus compared to the approved budget surplus of 176% from the budgeted THB 13.71 million to a tentative actual surplus of THB 37.9 million. The school's forecast net revenue was THB 261.6 million, and forecast operating expenditures were THB 125.8 million since the hiring of new faculty could not be concluded as planned and forecast an overhead contribution of THB 97.8 million. For 2018, the school's proposed surplus is THB 9.8 million, reflecting a drastic decrease from the previous year due to the expected negative surplus from the undergraduate program.

2. Faculty, Staff, and Student Figures

In 2017, the total full-time faculty equivalent was 48.25, of which 34.5 were full-time, 6 were seconded, 3 were visiting, and 25 were part-time. Based on total student enrollment and faculty full-time equivalents, the student-faculty ratio was computed at 22.61 (total enrollment: 1,091).

There were 105 staff members, including 45 direct-hired staff under academic units, 22 center-funded staff, and 38 research-funded staff under externally-funded research projects. The student-staff ratio was computed at 24.2 (total enrollment: 1,091).

A total of 390 students representing 21 countries enrolled in SET (including interdisciplinary programs) in 2017, with a pay factor of 83%. SET achieved enrollment about 3% higher than our targeted intake number of 376.

3. Research and Academic Projects

In 2017, a total of 17 research and 2 academic sponsored and contracted projects were initiated, with a total budget value of THB 44.2 million, including overheads of THB 4.8 million and

faculty recovery of THB 2.3 million. During this period, 23 projects were successfully completed, with a budget value of THB 41.9 million.

4. Visibility

SET signed 7 MoUs and MoAs related to the school, 1 with an African institute and 6 with Asian institutes and industries.

In 2017, the school participated in exhibitions such as the OCSC International Education Expo and the CRMA Research Exhibition as well as AIT Days in Myanmar and Nepal.

To be continually visible, SET's target countries for 2018 are Cambodia, Myanmar, Nepal, the Philippines, Vietnam, and Thailand as well as visits to China, India, Indonesia, Mongolia, and Sri Lanka.

5. Highlights

- SET has begun to upgrade its laboratory facilities in its Civil and Infrastructure Engineering (CIE) Department.
- SET's Dr. Sangam Shrestha (CIE Department) released a book in August 2017 entitled "Water-Energy-Food Nexus: Principles and Practices, published by Wiley and co-authored with Dr. P. Abdul Salam and Dr. Anil K. Anal of SERD and Dr. Vishnu Prasad Pandey of the International Water Management Institute (IWMI), Nepal.
- SET's Dr. Vatcharaporn Esichaikul (ICT) Department and masters student Punchaya Raksasakul, won 1st place at the Swiss Innovation Challenge Thailand 2017.
- SET's Dr. Indrajit Pal (CIE Department) released a book in September 2017 entitled "Disaster Risk Governance in India and Cross Cutting Issues" co-authored with Dr. Rajib Shaw, a Professor at Keio University, Shonan Fujisawa Campus, Japan.
- SET's Industrial Systems Engineering (ISE) Department led by Dr. Pisut Koomsap will play a leading role in the modernization of the curriculum for the Masters Degree Program in Industrial Engineering for Thailand Sustainable Smart Industry (MSIE4.0) and has been selected for Erasmus+ Capacity Building in Higher Education.
- SET's Dr. H. T. Luong (ISE Department) and masters student Areeya Choo-ngern won the best paper award in Yogyakarta, Indonesia.

SCHOOL OF ENVIRONMENT, RESOURCES, AND DEVELOPMENT (SERD)

DEAN
PROF. RAJENDRA SHRESTHA

1. SERD intake

SERD received a total of 695 student applications in 2017, of which 612 were offered admission, with 35% of candidates receiving offers enrolled in various SERD programs. Enrollment was 83% of forecast student numbers with a pay factor of 0.79, which is satisfactory.

A total of 73 students received full scholarships from more than 12 different donors. The rest were funded through external donors, the AIT fellowship scheme, and self-support. Most SERD academic programs serve the public sector or agencies. In the past, SERD programs used to receive several scholarships from external donors, including NO-RAD, DAAD, SIDA, CIDA, and AusAid. However, all of them have been terminated, and this has affected enrollment to some extent.

2. SERD Finances

The unaudited financial figures for 2017 were: Total Operating Revenues of THB 145.54 million; Total Operating expenditures of THB 86.57 million (Institute overhead excluded). For 2018, forecast total Operating Revenues are THB 152.80 million and Operating Expenditures THB 87.54 million.

3. Sponsored Research

45 new sponsored research projects were initiated in 2017, with a total gross value of THB 169 million. This included THB 18 million as Institute overhead and revenue center costs.

4. Academic and Personnel

- In 2017, SERD's academic programs were restructured into three departments: 1) Department of Food, Agriculture, and Bioresources; 2) Department of Energy, Environment, and Climate Change; and 3) Department of Development and Sustainability. The purpose was to retain and develop those academic programs that can better serve the needs of the region through financial stability.
- 152 courses (73 in the January semester, 12 in the Inter-semester, and 67 in the August semester) were offered by SERD.

- There are currently 501 students in SERD, excluding the January 2018 intake.
- SERD graduated 204 students (14% doctoral, 79% masters, 7% diploma and special).
- SERD had 29 full-time faculty members, 15 visiting/adjunct faculty members representing 12 countries, and 121 staff members (36 direct-hired staff, 85 project-funded staff).
- 30 seminars on special topics and 32 different visitor groups were hosted by SERD.

5. Upgrading of SERD Classrooms and Laboratories

THB 5.63 million was obtained from the Institute for lab equipment and renovation, which is being processed. Regular maintenance of teaching facilities was also carried out.

6. Promotional materials and activities

- Since the restructuring, new websites at school and department levels have been created along with new set of promotional materials (prospectus, leaflet, brochures).
- Inadequate resources for promotion is a constraint. Promotional activities are carried out together with Institute-level activities (e.g., AIT Days), and separately at school or department level depending upon resource availability and even faculty level when faculty visit for academic purposes. Similarly, advertisements are also placed online and in newspapers.

7. New Initiatives

- 9 new MoUs, 4 MoAs, and 2 Project Agreements were initiated in 2017.
- Unlike in the past, scholarships support from different organizations and countries are no longer available; hence, the funding model had to be changed by working with governments and the private sector bilaterally. SERD has been working with MOAC, Thailand and PEA for dedicated scholarships.
- To explore this new funding model with the industrial sector, two notable initiatives were: 1) SERD established a center of excellence named Bangchak Initiative and Innovation Center at AIT (BIIC@AIT), with THB 50 million for five-year support from Bangchak Corporation Public Company Limited (BCP). This includes scholarships and research for innovation. 2) The "IDEA R&D Center" cum "IDEA-EEM Laboratory" was established in SERD with equipment support from IDEA Consultants, another example of a private-industrial sector partnership.
- SERD organized a dedicated brainstorming retreat session of one-and-a-half days to revise and improve its curriculum and pedagogy and to maintain its unique value and relevance in the region in the current competitive situation affecting higher education. Opening up new academic programs relevant to the region (e.g., different aspects of SDG, Industry 4.0) and unified Bachelor-Masters program are being considered, and departments have started working toward these goals. Some of the pedagogical initiatives, such as students' seminars, faculty seminars, and program integration at department level also started in 2017.

SCHOOL OF MANAGEMENT (SOM)

DEAN

PROF. LAWRENCE S. ABELN



AIT's School of Management (SOM) celebrated its 30th year of history in 2017. The 2017 academic year has been a time of transition devoted to rebuilding the school and making changes to strengthen its international reputation, grow its scale, increase its impact in the business school market, and reposition the school for the future. The objectives are:

- ♥ Realigning the school's academic programs with the market;
- ♥ Growing its overall applicant pool and expand its market outreach and recruiting activities;
- ♥ Increasing student enrollment;
- ♥ Building up its full-time and visiting faculty capacity; and
- ♥ Open the central Bangkok campus with new classrooms and student study space.

New Bangkok Campus

With the approval of the AIT Board of Trustees, SOM selected a new central Bangkok campus located in downtown Bangkok (near BTS-Asoke), which will open in March 2018 with two new classrooms, a student study lounge, student team meeting rooms, and administrative offices.



Bangkok Campus Classroom

Key Progress in 2017

- ♥ AIT's School of Management was ranked the first time ever in the QS World Ranking 2018 by subject under Business & Management and placed among the top 300 business schools in the world.
- ♥ Overall 40% growth in terms of application numbers compared with 2016
- ♥ In August 2017, SOM implemented the new five (5) academic term structure to provide more flexibility for MBA student enrollment and entry.
- ♥ A new MBA curriculum design and courses allow both one and two-year options, providing students with more flexibility and choice with evening and weekend MBA classes held in Bangkok.
- ♥ SOM restarted a Doctorate in Business Administration (DBA) program after a five-year hiatus. The program was re-positioned as a part-time program for working professionals and offered on weekends. The new cohort began its coursework in August 2017 at the Bangkok location.
- ♥ New marketing outreach and recruiting activities with QS event participation in Asia, new MBA and DBA publications, new advertising, and MBA information sessions.

In 2018, AIT's School of Management will also focus on:

- 1) Offering MBA classes in the evening and weekends in Bangkok
- 2) Developing new specialized masters programs
- 3) Expanding the current roster of MBA exchange partners to broaden international opportunities for our students
- 4) Developing a key academic partnership for a certificate program, and
- 5) Recruiting full-time and visiting faculty.

It is hoped that these changes will allow the School to strengthen its reputation and to better position itself before making an application for international accreditation in the future.

AIT EXTENSION

EXECUTIVE DIRECTOR
DR. JONATHAN L. SHAW

1. Purpose

AIT Extension is the continuing, professional, and executive development arm of AIT, with a mission that complements that of its component schools. It specializes in customized short courses for practicing professionals, and has expertise in designing and implementing programs for diverse clients in many sectors. Expert resources include internal staff, AIT faculty members, and experts in relevant fields based in Thailand and the region.

2. Performance

- a. In 2017, AIT Extension ran 112 courses for around 1,556 participants. Net revenues are expected to be around THB 74.50 million, with a projected surplus of THB 7.56 million (Fund 21: THB 1.26 million from a total surplus of THB 4.25 million less rental cost of THB 2.99 million; Fund 30: THB 6.3 million).
- b. This performance is less than the forecast surplus for 2017 of THB 12.76 million (F21 4.2 million, and F30: 8.5 million) primarily due to the charge of THB 2.99 million for office space rental. This is slightly lower than in recent years (2012: THB 15.11 million; 2013: THB 21.56 million; 2014: THB 13.65 million; 2015: THB 16.27 million; 2016: THB 12.76 million). Although the surplus has fallen in absolute terms, as a proportion of revenues (9.4 %), it is comparable with previous years (2012: 14.65%; 2013: 26.02%; 2014: 13.64%; 2015: 18.10%; 2016: 12.76%).
- c. The present headcount is 42, with three vacancies, and personnel costs of THB 29.40 million. In 2018, this will rise marginally to THB 30.60 million. This is still substantially lower than personnel costs 13 years ago (2004).
- d. With five of eight senior staff approaching 60 years of age or already turned 60, succession planning is now necessary.
- e. In 2017, AIT Extension renovated its facilities in the former RCC Building (AIT Extension Building). Other capital investments included a move toward greater use of IT for course materials, with an investment in 30 Samsung tablets.
- f. Services offered were extensively revised in 2016 under the following categories: Continuing Professional Education, Assessment and Monitoring & Evaluation, Learning Facilitation, and Expert Services. A new website will be launched in early 2018 reflecting these services.

3. Key Performance Indicators

Indicator	Definition	2015	2016	2017	2018
Surplus	Revenues less expenditures (including all allocated costs and overheads), in THB millions/year	14.04	8.55	8.27	7.50
Repeat clients (client retention)	Clients in 2016 taking more than one course in the past five years, in %	76%	94%	74%	75%
New clients		-	-	5	10
Involvement of AIT faculty	As proportion of total hours taught by all resource persons, in %	17.7%	36.3%	33.9%	35%
Internal staff development	Internal staff contributing to courses as resource persons, in staff members	3	2	3	4
Participant satisfaction	Quantified course reaction evaluation completed by all participants at end of course (aggregated)	93%	94%	85%	90%

AIT SOLUTIONS

EXECUTIVE DIRECTOR
DR. NAVEED ANWAR

In 2017, AIT Solutions (AITS) launched an important initiative, the Innovation Lab [ilab] and focused on strengthening its core strengths: Structural Engineering, and Software development and IT. The Innovation Lab [ilab], is a student-centric creativity hub and was launched on May 24, 2017 with the aim of providing an enabling environment and set of protocols for engaging young students, academia, and the private sector in problem-solving and innovative solutions development through a collaborative approach.

While building on new strengths, AITS continued to solidify its core competencies through 23 new projects with 12 organizations, including the corporate sector, government organizations, and international development agencies located in five countries, with a commitment to building long-term trusted relationships with partners.

Some of its significant projects include:

- ♥ Structural Assessment and Recommendation for Risk Mitigation for Baltit Fort for Agha Khan Cultural Services, Pakistan
- ♥ A social development project entitled Village of the Future, which covers new software products and services for a rural engagement platform funded by Xynteo Norway
- ♥ Software for Traveliko Singapore, a website dedicated to people who love to travel and are concerned with social responsibility.
- ♥ Twenty-one (21) disaster resilient houses were built using Habitech Building Technology for poor villagers in Phulbari village, Lubhu, Mahalaxmi Municipality, Nepal. In March 2017, Baan Promchai (Houses from the Heart of the Thai people) were handed over to the new house owners.
- ♥ Wind tunnel testing projects, including the Anchor Project and Vertis North Star from Ayala Land Inc., and Frontera Verde from Ortigas Company, Philippines. AITS also purchased a powerful 3D printer for printing building models through a wind tunnel.

AITS also provided Performance-based Design for several tall

buildings in earthquake prone countries such as the Philippines to ensure resilient structures.

Coupled with its main objective of developing innovative solutions, AITS believes in the great significance of knowledge creation and sharing. Various knowledge sharing activities, events, seminar, and conferences were held in 2017. These activities mainly included international seminars, workshops, and study visits, particularly the series of seminars on Tall Buildings Design Trends and Advancements for Structural Performance in Oman, Pakistan, and the Philippines.

The AIT-Tiger Leong International Innovation and Leadership Camp I (January 16-24) and Camp II (July 24-August 4) were organized to contribute to the nurturing of young minds in Asia by providing an interactive learning program while promoting cultural exchanges and exposure.

AITS arranged 12 on-campus and off-site meetings and visits with various local and international organizations to expand and strengthen its network. The Innovation Lab [ilab] also conducted several meetings with faculty and the corporate sector to explore innovative ideas. In addition, AITS signed MoUs with Cubator 1ne and the COMSATS Institute of Technology, Islamabad and a non-disclosure agreement (NDA) with Nspire, the innovation center of NetSol Technologies, Thailand to enable cooperation on potential initiatives. Through its contacts and initiatives, AIT Solutions was able to arrange three full scholarships in the field of structural engineering, two of which were provided by Computers and Structures Inc. and the Meinhardt Group, Singapore.

Three proposals were submitted to the Ministry of Finance of Thailand regarding Face Verification Systems, Rapid Post-Disaster Assessment for Fast Disbursement of Insurance Claims, and Solutions for Proposed Agriculture Estate.

AIT Solutions Executive Director was invited as keynote speaker and presented in several international events held in Japan, the Philippines, Pakistan, Vietnam, Sri Lanka, and Thailand, which provided AITS with extensive exposure and enabled it to make contacts and build up its network. An AITS Advisory Board and Technical Council meeting was arranged, which provided an opportunity for discussion and advice regarding future initiatives.

The sixth issue of Technology Magazine with the theme of Tall Buildings was published in November 2017, providing a glimpse into the multifaceted world of collaborative technological innovations. For the upcoming year, AIT Solutions will aim to continually improve the quality of its solutions and accelerate innovations in the field of science, technology, and management.

A corporate social responsibility (CSR) activity entitled Sharing is Caring was organized in March 2017 at Huay Nam Khaw School, Kanchanaburi Province. The AITS team distributed school supplies to selected students by preparing a box of school stationeries and other school supplies.

AIT CENTER IN VIETNAM (AITCV)

DIRECTOR
DR. FREDRIC W. SWIERCZEK



1. School Academic Programs offered at AITCV

In 2017, 49 Vietnamese students graduated at the 127th and 128th AIT graduation ceremonies in the Professional Masters Programs, MPM, GEM, and IEMBA. In 2017-2018, 42 participants were selected in the DBA (third batch), iEMBA, MPM, and GEM programs. Participants were from EVN, PVN, VNPT, Metro Carrier, Jonton Paint Company, Thu Duc University, private companies, and self-support.

2. Professional Development

International cooperation included Executive Programs in Development Policies and Practices (DPP), with 14 participants, and Executive Programs in Hospitality Management (EMHM), with 21 participants.

AITCV is a recognized brand in quality training and education, with major customers such as Big C and Yamaha and Cooperative Groups such as Red Sun and FLC. Programs have been provided to enterprises such as SATRA, EPTC, and TH True Milk and for government organizations such as Vietnam's Environment Administration, the SME Center of the Hanoi Industry and Trade Department, and Quang Ninh Province. AITCV has conducted 53 short courses training for 2,226 participants in various topics from Green Lifestyle, Sustainability in Business and Organization Development, and Soft Skills such as Presentations, Communication, Sales, and Negotiation. As regards training and study tours, AITCV has implemented programs with 124 participants from Bangladeshi, Indian, and Vietnamese companies.

3. International Projects

- ♥ In 2017, AITCV continued to implement international projects such as the Learning Center (LC) for Environment and Social Sustainability in collaboration with the World Bank, ADB, JICA, USAID, and DFAT.

- ♥ The Eco-innovation for SMEs in Vietnam project funded by UNEP and the Ecosystem Based Adaptation Approach for Sustainable Management and Governance of Coastal Ecosystems (ENGAGE) project funded by APN were completed in 2017.
- ♥ AITCV initiated new projects in 2017:
 - Upscale and Mainstream Green Office Lifestyles in Vietnam (GO Project) from May 2017-October 2018 funded by UNEP focused on Low-Carbon Sustainable Consumption behaviors of employees in offices and business premises. Total project value: USD 99,000.
 - NSRP Scholarship project (11-month duration) supporting young adults from resettlement-affected communities by Nghi Son Refinery and Petrochemical LLC (NSRP).
 - Training on Leadership for city-to-city learning on adaptation related to Climate Change with UNESCO-IHE for transferring innovative solutions in water resources and management issues that could be shared by cities in Vietnam.
- ♥ FAO Consultancy project (Dec 15, 2016-June 30, 2018), AITCV conducted an assessment of GBEP Sustainability Indicators for enhancing bioenergy sustainability through the use of such indicators.

OFFICE OF SPECIAL DEGREE AND ONLINE PROGRAMS

DIRECTOR
PROF. NITIN K. TRIPATHI

The Five-Year Unified International Bachelor's-Masters Degree Program is a strategic curriculum that aims to develop a collaboration between AIT and a partner university in offering a fast-track and economical way for students to complete bachelor's and masters degrees in the partner university and AIT, respectively. AIT has 10 partners within this program:

- ♥ Jawaharlal Nehru Technological University Kakinada (JNTUK), India
- ♥ Jawaharlal Nehru Technological University Hyderabad (JNTUH), India
- ♥ Chiang Mai University (CMU), Thailand
- ♥ College of Agriculture Baramati (CAB), India
- ♥ Don Bosco University (DBU), India
- ♥ KL University (KLU), India
- ♥ Petra Christian University (PCU), Indonesia
- ♥ University of Toledo (UT), USA
- ♥ Siam University (SU), Thailand
- ♥ South Asian Institute of Technology and Medicine (SAITM), Sri Lanka

Other prospective agreements are being developed with other neighboring countries including Myanmar, Cambodia, Vietnam, the Philippines, China, and others.

1. Summary on Number of Students enrolled and graduated during 2015–2017

Admissions

As of December 2017, AIT admitted a total of 391 students from 3 partners from India: 139 from JNTU-Kakinada, 248 from JNTU-Hyderabad, and 4 from the College of Agriculture Baramati.

Graduation

As of December 2017, a total of 127 students had graduated: 5 from SHIATS in 2011, 80 from JNTU-Kakinada in 2016-2017, and 42 from JNTU-Hyderabad in 2017.

Financial Management (Funds Received)

The SDP Office is responsible for drafting and sending invoices to students and for providing reminders to the partner university regarding fees and fee transfers. To date, AIT received a total of THB 105,742,816.36 from three (3) current active partners from India: THB 52,994,021.56 from JNTU-Kakinada, THB 51,680,677.75 from JNTU-Hyderabad, and THB 1,068,117.16 from the College of Agriculture Baramati.

2. Online Program – AIT.Share

AIT plans to launch its online education and learning portal, which will be known as AIT.Share. Each school will contribute courses. In addition, eminent seminar series will also be available for readers around the world. AIT Solutions will manage the maintenance of the AIT.Share online platform in coordination with the Office of Special Degrees and Online Programs.

3. Other Activities

Support activities to Partner Universities

The SDP Office supports partner universities in all student affairs and acts as bridge for academic and personal issues of students. It supports all logistics arrangements, such as meeting students at airports, helping them complete the admission process, and supporting all concerned AIT offices with concerns related to Unified Program students. Other recent activities include:

- ♥ Facilitated AIT attendance at Horasis Annual Meeting in Kolkata, India;
- ♥ Signed MoU with New Delhi Institute of Management for DBA program;
- ♥ Organized Workshop with the National Research Council of Thailand (NRCT), the Military Research and Development Centre (MRDC), Creating Research Competency under the Creating Research Competency in Photonics, Digital Technology, and Remote Sensing Applications project jointly organized by NRCT and AIT on July 3-6, 2017 at AIT.

INTERNET EDUCATION AND RESEARCH LABORATORY (intERLab)

DIRECTOR
DR. MONGKOL EKPANYAPONG



1. Introduction

intERLab is the outcome of the plan to establish a fixed location for internet human resources development as endorsed by Asia Pacific Internet organizations during their 2000 AP* Retreat (AP Star: The community of Asia Pacific Internet Organization).

Almost two decades later, intERLab, through the support of many Internet organizations, maintains its focus on research activities. With this comes the maintenance of excellent research facilities and staff, hosting of visiting researchers, and partnerships with top research laboratories worldwide.

Its main functions includes being a center with up-to-date information on Internet development and related information in the region, providing training programs to infrastructure engineers and technologists, educating policy makers, and government employees about applications of the Internet, relating updates to education specialists regarding e-learning technologies, raising awareness of developments and social impacts of technology, and bringing new business practices and their legal implications to the attention of lawyers, business practitioners, and professionals.

2. Mission

To become one of the leading Internet regional centers of excellence for Internet infrastructure HRD centers in the Asia-Pacific region through research, training, and development.

3. intERLab KPI 2015-2017

Key Performance Indicators	KPI Values 2015	KPI Values 2016	KPI Values 2017
Number of partnerships with world-class institutes	4	5	6
Number of trainings, meetings, workshops, and conference participants	145	153	175
Total revenues generated from training and workshops (in THB)	1,091,021.15	1,048,371.59	1,189,417.29
Total research grants received per year (in THB)	2,000,000.00	3,898,540.00	21,857,460.00
Total revenues from consultancy services (in THB)	1,500,000.00	2,000,000.00	2,000,000.00

LANGUAGE CENTER

DIRECTOR
DR. FREEK OLAF DE GROOT

Over 2017, AIT's Language Center (LC) has continued to ensure that students from all over the world are able to succeed in AIT's international environment. The last year has been particularly productive for LC, with over 1,200 students participating in more than 3,100 hours of language-related class time. As a result, LC recorded a small net profit.

In addition to our core activity of developing English for post-graduate students, LC worked with other AIT Units and Schools to offer language-related services where needed. LC's services are instrumental in improving communication and understanding in AIT's diverse environment.

AIT's LC has continued to play a significant role in education both locally and internationally. It has continued to offer its existing package of courses such as the Bridging Program, foreign language courses (see below), and research skills development workshops. In addition, LC has extended its activities to providing teacher training programs.

As part of one of Asia's leading institutions of higher learning, AIT's LC strives for high standards of English proficiency. It works to ensure that undergraduate and postgraduate students have the English skills necessary to study at AIT and to compete in the international community. In 2017, AIT's LC has developed and piloted a new online testing application that allows test-takers to take tests online in a secure environment. Around THB 800,000 was collected from testing.

For exceptional students who have been allowed to enter AIT despite having English scores below AIT's admission requirements, LC offers varying English language courses aimed at rapidly improving students' English abilities until they have reached the level deemed appropriate for their degree program. In 2017, LC continued the co-payment system and recovered about two-thirds of the cost of running these courses. However, LC still needs to heavily subsidize these fees in order to continue to offer these courses.

LC believes in offering language skills beyond English communication. Last year French, Chinese, and Thai were offered to the AIT community. More than 120 students were able to study on these courses at prices substantially lower than the market rate, and THB 150,000 in revenues was generated from these courses.

Other Units and Schools collaborated with LC on various projects over the past year. LC managed and taught six courses for the SET and SERD UG programs. Students sent by the Ministry of Agriculture of Thailand, the Ministry of Higher Education (MoHE) of Afghanistan, and Savannakhet University Laos joined LC's Bridging Program last year.

Due to its revenue-generating projects and the additional income from English language (EL) courses fees, LC was able to recover all operating expenses and close the year with a small profit for the first time in many years. In the coming years, LC intends to focus on maintaining this positive balance and expand its external projects by developing partnerships with institutions in both Southeast Asia and Europe, focusing on English literacy development for students and teachers in the context of 21st-century literacy skills development. Furthermore, LC is expanding its Bridging program to reach out to local students preparing to study abroad.

No.	Definition	Key Performance Indicators (KPI)	Target Years		
			2016	2017	2018
			Actual	Actual	Forecast
1	Expanding Admissions to AIT	% of Bridging Program applicants scoring 5.0 or higher on the Academic Writing Test after exiting the Bridging Program	100%	100%	100%
2	Ensuring a Successful Educational Path	% of attendees graduating on time	100%	100%	100%
3	Graduate Student English Development	% of students below 6.0 attending EL	89.6%	90.6%	90%
4	Financial Contribution to AIT	% of LC budget subsidized by fee-based activities	98.7%	98.9%	106.4%
5	Creating an Effective Education Environment	% of clients rating LC service "better than expected" or above	97%	98%	98%

CENTER OF EXCELLENCE IN NANOTECHNOLOGY

DIRECTOR
PROF. G. LOUIS HORNYAK

1. Summary

The Center of Excellence in Nanotechnology (COEN) is getting ready for a transition that involves identifying a new Director and hiring one new faculty for the nanotechnology academic program. The new director and faculty should be in place by August 2018.

Highlights in 2017 included the appointment of four resident adjunct professors and acquiring new space in the form of three offices and one meeting room. In addition, critical mass of in-house senior researchers and an abundance of students and researchers will enable COEN to restore research levels to a point where they are competitive in the region. The Center has achieved a critical mass of students and enough resident faculty to be able to publish significant studies and support industry-related projects. THB 2.5 million were raised in 2017, with over THB 15 million expected in 2018 (see details below). Over 34 students currently populate the Center's facility, with over 25 of them conducting research.

COEN along with the nanotechnology academic program provide a source of applied science & technology, a brand that is currently lacking at AIT. This brand should be exploited in the near future to ensure greater response from industry and enhanced student enrollment numbers from the fields of physics, chemistry, biology, and chemical engineering, all of which have been previously untapped and under-recruited resources in Thailand and abroad.

2. New Equipment

- Spin coater
- Gas flow measurement apparatus
- Metrohm electrochemical workstation
- Compressor and spray system

3. Resident Adjunct Professors

- Dr. Tanujjal Bora (broad-based nanotechnology)
- Dr. Adrien Dousse (molecular simulation)
- Dr. Khaled Habib (electrochemistry)
- Dr. Sahapong Kruaepch (laser technology and photonics)

4. Grants Won

- White Group (THB 1 million) for solar storage
- Neon Infotech (THB 1.5 million) for antireflection, self-cleaning, light trapping of Si solar systems

5. Proposals Pending

- Bangchak Corporation (THB 5 million) for supercapacitor development (Dr. Tanujjal Bora)
- Donaldson Company (THB 2.5 million) for water absorbers and triboelectric materials (Dr. Adrien Dousse)
- Nanotec Phase III, THB 2 million + THB 2 million cost share, Nanocomposite Electrodes & Miniaturized Energy Storage Devices (Dr. Tanujjal Bora and Prof. Weerakorn Ongsakul)

6. Proposals under Negotiation

- Hempan Corporation (THB 10 million) for nanocellulose applications from cash crops (Dr. Sahapong Kruaepch)

7. Professional Development

- Keynote Address Invitations: 5
- Invited Talks: 9
- Sessions Chaired: 1
- Organizing Committee Invitations: 2
- Guest of Honor: 1

8. Research

- Publications: 4
- Conferences: 2
- Projects in progress: 24
- Expected publications in 2018: 15+

9. KPI Summary

Key Performance Indicators	KPI Value 2015	KPI Value 2016	KPI Value 2017	KPI Target 2018	Remarks
Funding (in THB millions)	0	12.4	2.85	10	Gaining Momentum
Student Achievement (conferences, publications, proceedings, awards)	3	9	10	20	Critical mass achieved
Professional Development (keynotes, invited talks, publications, books, chapters, awards)	5	5	13	15	More faculty participating in 2018
Center Output (students research numbers, technologies applied, patents)	3	5	19	30	More staff, faculty, and students
Outreach (industry seminars, trainings, workshops, community service)	0	0	2	5	Needs more effort

REGIONAL RESOURCE CENTER FOR ASIA AND THE PACIFIC (RRC.AP)

DIRECTOR
MR. OSAMU MIZUNO

RRC.AP supports and collaborates with partners in the implementation of environmental and sustainable development activities in Asia and the Pacific region. RRC.AP complements AIT's research, education, and capacity-building activities toward the achievement of its mission, helping to bridge the gap between the scientific understanding of sustainable development processes and sound policies at national and regional levels. RRC.AP focuses its work on three main thematic clusters: Air and Atmospheric Pollution, Climate Change, and Waste Management, with cross-cutting activities with other environmental issues.

1. Air and Atmospheric Pollution Cluster (AAPC)

RRC.AP has been hosting the Secretariat of major intergovernmental and technical support networks, including the Malé Declaration on Control and Prevention of Air Pollution and its Likely Transboundary Effects for South Asia, and the Atmospheric Brown Cloud (ABC) program. The Secretariat for the Acid Deposition Monitoring Network in East Asia (EANET) co-organized the 17th Session of the Scientific Advisory Committee (SAC17) in Pathum Thani. The session agreed on the draft Periodic Report on the State of Acid Deposition in East Asia and reviewed EANET's Work Program and Budget for the coming year. The 19th Session of the Intergovernmental Meeting (IG19) was also organized at Siem Reap, Cambodia, and the Session endorsed the Report on EANET Progress since IG18. The Second Meeting of the Expert Group on Strengthening the Framework of the Malé Declaration (EG2) and the Sixth Meeting of the Task Force for the Future Development of the Malé Declaration (TFFD6) were successfully concluded in Kathmandu. RRC.AP was tapped to be the Focal Point of Global Alliance on Health and Pollution (GAHP) at the Asian Institute of Technology.

2. Climate Change Cluster (CCC)

The Climate Change Cluster has carried out assessments, trainings, and workshops on adaptation and mitigation. It has conducted a number of training programs on Managing Project Preparation for Climate Change Adaptation, Developing Project Proposals for Climate Change, Low Carbon and Adaptation Initiatives, Mentoring on Climate Change Proposal Development, and the Economics of Climate Change Adap-

tation (ECCA) Training Program, to name a few. Part of the training aimed to develop skills among project proponents that are essential for engaging in or supervising the preparation of bankable climate change adaptation projects that effectively address the most important adaptation needs while attending to the goals and requirements of specific financial backers. The Cluster participated in the International Conference on Resilience Building for Sustainable Development in Armenia and the United Nations Conference (COP 23) in Bonn, Germany, where it conducted two side events.

3. Waste Management Cluster (WMC)

The Waste Management Cluster (WMC) of RRC.AP supported more than ten (10) countries and cities in terms of technical assistance and training for their policy formulations on sustainable waste management. Some of the trainings conducted included a two-day Water Environmental Partnership in Asia (WEPA) workshop on Piggery Wastewater Management and Achieving International Climate Change Commitments in the Waste Sector in Bhutan, Mongolia, and Nepal. WMC also conducted the launching ceremony of the National and City Waste Improvement Strategies and Action Plans, Ulaanbaatar, Mongolia in July and published the Regional Study on Mercury Waste Management in ASEAN countries, Waste Management in ASEAN countries, and Asia Waste Management Outlook.

4. Projects and Fund Mobilization

The RRC.AP secured 19 projects totaling USD 2.03 million (THB 68.07 million) from 18 donor agencies. Major donors include the Ministry of Environment of Japan, IGES, JAIF, UNEP, and OECC.

With the resources secured, 6% was spent on capacity building and raising awareness, 19% on strengthening regional cooperation for addressing air and atmospheric pollution, 20% on regional assessments and capacity development on waste management policies, and the balance (55%) on knowledge creation, regional assessments, and capacity building related to climate change.

5. Key Performance Indicators

No.	Indicators	FY2016	FY2017
1	Number of regional networks assisted for sustainable development	12 Networks	15 Networks
2	Number of partner organizations (governmental & non-governmental)	58	67
3	Number of faculty and students involved	9 faculty members; 16 students	10 faculty members; 14 students
4	Total revenue (funds mobilized)	USD 2,362,849	USD 2,030,090
5	Number of professional staff as a proportion of total RRC.AP staff	0.67	0.76

GEOINFORMATICS CENTER (GIC)

DIRECTOR
DR. LAL SAMARAKOON



There were 14 staff members at GIC during 2017, including two JAXA-seconded and two administrative staff. In the technical staff category, six has a PhD (50%), three had an MSc (25%), and the rest had bachelor's degrees, amounting to a representation of over 75% with higher educational qualifications.

The year 2017 can be highlighted as having promoted a number of consulting projects obtained from clients such as the Asian Development Bank (ADB), the World Bank, and UNESCAP. Its consultancy work, which included the ADB Technical Assistance project on the use of ICT/SBT for DRR conducted in four countries (Armenia, Bangladesh, Fiji, and the Philippines) and the Technical Assistance project for UNESCAP conducted in Fiji, Tonga, the Solomon Islands, the Federated States of Micronesia, and Vanuatu to establish a geo-portal in Pacific Islands, can be highlighted due to the work content, collaboration, and total budget. Both projects involved multi-country and multi-disciplinary application areas, including GIS, remote sensing, ICT, and DRR, where AIT can demonstrate its regional networking superiority.

GIC started investing in high-resolution and real-time mapping using drones. While investing on technical development and promotion of UAV-related consultancy work, GIC provided a 2-day workshop for AIT students and staff free of charge, which attracted many AIT participants. Collaboration with the National Institute for Earthquake Disaster (NIED), Japan was started with a view to exploring project opportunities for the use of low-cost drones for DRR activities.

Joint activities with Japan Aerospace Exploration Agency (JAXA) continued for the 20th year, assisting JAXA-initiated Sentinel Asia by providing emergency mapping products using satellite data to a number of countries in the region for emergency response activities following natural disasters. Under the Sentinel Asia regional initiative, Satellite-based disaster response activities in Indonesia (volcanic eruptions), Korea (earthquakes), and Vietnam (floods) were carried out. During

2017, GIS won projects and trainings worth over USD 6 million, with GIC's income amounting to over USD 2.5 million. Most of these projects were completed successfully, and some are still active. This trend is expected to continue in the coming years thanks to investments in new projects, new areas of applications, and the enabling of strong and competitive partnerships.

MoUs Signed in 2017

- ♥ Kokusai Kogyo Co., Ltd., Japan
- ♥ Air Asia Survey Co., Ltd., Japan
- ♥ RESTEC, Japan

AIT INTERNATIONAL SCHOOL (AITIS)

PRINCIPAL
MR. KEVIN MAURITSON



The mission of the AIT International School is to provide a holistic education in a stimulating and caring international environment that will help build a positive attitude toward learning. Its education is based on values that will support the growth of reflective and responsible members of society.

The following is a list of major accomplishments and milestones for 2017:

- ♥ Incorporated Portfolio Assessment in all elementary grade levels;
- ♥ Hosted 28 students from Indonesia and provided them with an intensive English program and cultural exchange;
- ♥ Participated in a three-day overnight camp to help build leadership skills, confidence, resilience, teamwork, and self-esteem;
- ♥ Raised over THB 600,000 from AIT alumni donors, the PTA, and fund-raising activities to purchase a purpose-built pre-fabricated classroom;
- ♥ The AITIS Student Choir and Traditional Dancers performed for several AIT events (including graduation) as well as in a competition with other Bangkok-based international schools, with AITIS earning Second Place overall;
- ♥ Hosted twelve (12) teachers and educators from Sri Lanka for two (2) days of professional development on Immersive English Techniques and Authentic Assessment in the Elementary Classroom (led by the AITIS Principal);
- ♥ Introduced a student-centered approach and emphasis in all classes to ensure that students are provided with a more hands-on learning experience;
- ♥ Through the implementation of the Technology Improvement Plan, AITIS has a 1-to-1 iPad program for Grades 4 through 6, thus enabling student access to current events, improving research capabilities and opportunities for cooperation with other international students via the worldwide web;

- ♥ 6th-grade students participated in the EduBlogs international competition, with 79% of Grade 6 student's blogs published in Flipboard magazine;
- ♥ Maintained a 97.4% staff retention ratio;
- ♥ Increased student enrollment to 325;
- ♥ Working cooperatively with the National Science and Technology Development Agency (NSTDA), all elementary level students were able to learn through numerous hands-on activities offered by Thailand's leading Science and Technology leaders;
- ♥ Observed: Songkran, Loy Krathong, UN Day, International Day of the Girl Child, Visual Arts Day, Annual AITIS Talent Program, Hour of Code, and the Annual AITIS Fun & Food Fair.

AIT ASSETS

DIRECTOR
MR. WANCHAI SOPHONSAKULRAT



Office of Facilities and Asset Management (OFAM) started operation on July 1, 2014. Its main objective is to manage AIT facilities and assets. The management of facilities and assets can be classified into three (3) groups: A) Campus Maintenance, B) Asset Management, and C) Campus Services.

- a. Campus Maintenance includes: 1. Technical Maintenance; 2. Ground Maintenance and Landscaping; 3. Security; 4. Janitorial Services; 5. Pest Control; and 6. Wastewater Treatment.
- b. Asset Management includes: 1. Accommodation; 2. Auxiliary services; 3. AIT Conference Center; 4. Cafeteria; and 5. Golf Course.
- c. Campus Services include: 1. Office Administration; 2. Call Centers; 3. Motor & Labor Pool; and 4. Reception, Mail, & Phone.

During 2016-2017, AIT's Administration has implemented the concept of Service Center (SC) and Responsibility Center (RC) management. All offices under Administration and the Institute are classified by their functions and responsibilities as well as budgeting either as SC or RC. However, OFAM, which performs functions and responsibilities in both categories, is defined as both RC (AIT assets) and SC (campus services and maintenance). The performance of each unit will be evaluated according to pre-defined KPI values and compared to the target. OFAM thus maintains two KPI sets as both SC & RC. However, only the KPIs of OFAM, as an RC unit for AIT asset management, will be described further.

OFAM Assets generate revenue from five (5) units: 1. Accommodation; 2. Auxiliary (concessionaire) services; 3. AIT Conference Center hotel and dining room; 4. Cafeteria; and 5. AIT golf course. Five (5) KPIs were developed to cover three (3) aspects of business operation strategies, which include;

- 1. Financial performance (surplus of all operations units, % occupancy, & revenues)
- 2. Quality control (customer satisfaction)
- 3. Delivery service (completion time of customer requests)

The data for these indicators for 2016 and 2017 and targeted indicators for 2018 are shown in the table below:

No.	KPI for OFAM RC units	2016	2017	Target 2018
1	Surplus of OFAM RC units (in THB millions)	7.97	7.50	8.00
2	Percentage of occupancy of AITCC hotel (%)	30.79	37.16	40.00
3	Annual AITCC Dining room revenues (in THB millions)	9.98	9.71	10.00
4	Customer satisfaction (average of all units) (%)	69.37	71.53	72.00
5	Completion time of customers' requests (no. of days)	4.3	4.5	4.0

The above data shows that the performance of OFAM Assets in 2017 decreased slightly compared to 2016. However, in 2018, OFAM Assets has plans to improve the performance, especially the revenue-generating aspect, such as an increase in AITCC revenues from the new AITCC Annex, a review of the concessionaire rental structure, improvements in AITCC Dining Services, and a review of accommodation rental rates. Once these improvement plans are executed, OFAM Assets is confident that it will achieve the target set for 2018.

FACULTY, STAFF, STUDENTS, AND ALUMNI AWARDS AND RECOGNITIONS

Recognition of Faculty and Staff

Best Teaching and Research Awards

Best Teaching Awards were given to the following faculty members:

- a. Dr. Pham Huy Giao (GTE/SET) for < 15 students category
- b. Dr. Vimolwan Yukongdi (SOM) for ≥ 15 students category

The teaching award was entirely based on student evaluations and feedback for the courses taught in 2016.

The following faculty members received the Best Research Awards:

- a. Dr. Mongkol Ekpanyapong (ISE/SET) in the Junior category
- b. Prof. M. S. Babel (WEM/SET) in the Senior category

The researcher award was based on the evaluation of faculty's sponsored activities and publications.

School of Engineering and Technology

- ♥ SET's Dr. Sangam Shrestha (CIE Department) released a book in August 2017 on Water-Energy-Food Nexus: Principles and Practices, published by Wiley and co-authored with Dr. P. Abdul Salam and Dr. Anil K. Anal (SERD) and Dr. Vishnu Prasad Pandey, International Water Management Institute (IWMI), Nepal.

- ♥ SET's Dr. Vatcharaporn Esichaikul (ICT Department) and masters student Punchaya Raksasakul, won 1st place at the Swiss Innovation Challenge Thailand 2017.
- ♥ SET's Dr. Indrajit Pal (CIE Department) released a book in September 2017 on Disaster Risk Governance in India and Cross Cutting Issues, co-authored with Dr. Rajib Shaw, a Professor at Keio University, Shonan Fujisawa Campus, Japan.
- ♥ SET's Industrial Systems Engineering (ISE) Department, led by Dr. Pisut Koomsap, will play a leading role in the modernization of Curriculum Development for the Masters Degree Program in Industrial Engineering for Thailand's Sustainable Smart Industries (MSIE4.0) and has been selected for Erasmus+ Capacity Building in Higher Education.
- ♥ SET's Dr. H. T. Luong (ISE Department) and masters student Areeya Choo-ngern won the best paper award in Yogyakarta, Indonesia.

School of Environment, Resources, and Development

- ♥ Dr. Weerakorn Ongsakul was promoted to the rank of Professor by the meeting of the AIT Board of Trustees held on February 16, 2017. Dr. Weerakorn joined AIT as an Assistant Professor in the Energy Program of the School of Environment, Resources and Development (SERD) in January 2001.

- ♥ Dr. Shobhakar Dhakal, Associate Professor and Head of Department of Energy, Environment and Climate Change, co-edited a book entitled Creating Low Carbon Cities, published by Springer, co-edited with Prof. Matthias Ruth, Director of the School of Public Policy and Urban Affairs at Northeastern University.
- ♥ Dr. Indrajit Pal co-edited a book entitled Disaster Risk Governance in India and Cross Cutting Issues. The 19-chapter book, published by Springer, provides an analytical discussion of the status of disaster risk reduction and governance in an Indian context.
- ♥ Dr. Anil Kumar Anal, Head, Department of Food, Agriculture & Bioresources, has published a book entitled Food Processing By-Products and Their Utilization. Edited by Dr. Anil, the book claims to be the first to be dedicated to food processing by-products and their utilization in a broad spectrum.
- ♥ A new book co-authored by Dr. P. Abdul Salam and Dr. Anil K. Anal, explores the Water-Energy-Food nexus in the global perspective, and explores futuristic perspectives in this paradigm. The 19-chapter book was published by Wiley; other co-editors are Dr. Sangam Shrestha of AIT and Dr. Vishnu Prasad Pandey of IWMI, Nepal.

Recognition of Students

- ♥ A new book on Climate Events and Disaster Mitigation: From Policy to Practice co-edited by Prof. Jayant Kumar Routray was released by the Centre for Science and Technology of Non-Aligned and other Developing Countries (NAM S&T Center) in December 2017. This publication is targeted at a wide range of experts ranging from researchers to policy makers, and nongovernmental organizations to governmental officials.
- ♥ AIT was the only university in Asia that has been successful in securing two ERASMUS projects as the Coordinators of both. One of the two projects entitled Curriculum Development of Masters Degree Program in Industrial Engineering for Thailand's Sustainable Smart Industry (MSIE4.0) is led by Dr. Ram Bhujel, Director of the Aqua-Centre and Research Associate Professor at AARM, Department of FAB.

School of Engineering and Technology

- ♥ SET's masters student, Punchaya Raksasakul, won 1st place at the Swiss Innovation Challenge Thailand 2017.
- ♥ SET's masters student, Areeya Choo-ngern won the best paper award in Yogyakarta, Indonesia.

School of Environment, Resources, and Development

- ♥ The family of late Prof. Robert B. Banks announced the creation of a new annual Masters scholarship and prize in memory of the late AIT President. Prof. Robert B. Banks was AIT's third President, serving from 1977 to 1983. The first Robert B. Banks scholarship was received by a SERD candidate who studied for a masters degree in the Energy program.
- ♥ Under the supervision of Dr. Thammarat Koottatep, Mr. Ta Hung Anh, PhD candidate, and Ms. Huayna Paola Villarrage Morales, Research Associate from SERD, were the winners of the "University Challenge" in the 4th International Faecal Sludge Management conference in Chennai, India, February 20-22, 2017. The winner team was awarded INR 10,000 and

certificates as they demonstrated their skills in the development of ideas and strategies for sustainable practices during competition among four teams. They also presented two research papers at the conference.

- ♥ Google Scholar designated two research papers authored by AIT experts as Classic Papers. Announced in June 2017, Google Scholar describes Classic Papers as a collection of widely-cited papers that have stood the test of time in their respective area of research. One of the papers was authored by Naresh Acharya, Pukar Mahat, and N. Mithulananthan (Energy Program), which was identified as a Classic Paper in the field of Power Engineering in the International Journal of Electric Power and Energy Systems. The research was conducted under the supervision of former AIT faculty and one of the co-authors, Dr. N. Mithulananthan.
- ♥ Mr. Gabriel Arome Ataguba, a doctoral student in the AARM Program, was awarded the second best oral presentation at the World Aquaculture Society Asia Pacific Chapter conference in Kuala Lumpur in July 2017.
- ♥ Mr. Hayat Ullah, a doctoral student of Agricultural Systems & Engineering (ASE) was the lone winner from Thailand for the 2017 International Plant Nutrition Institute (IPNI) Scholar Award.

Graduation Prizes in 2017

- ♥ Mr. Manjunatha Venkatappa, doctoral student in NRM, received the 2017 Autumn Cycle Fellowship granted by the International Tropical Timber Organization (ITTO) at the 53rd Session of the International Tropical Timber Council through the Freezailah Fellowship Fund.
- ♥ Miss Pontip Vidyavrapat, a masters student in GDS, saw her proposal entitled "Assessing Peace and Security Situation in the post-conflict "Widows' Village" in Rotan Batu Village, Narathiwat Province, Thailand" selected for the SHAPE-SEA's Research Grants Program for 2018 in December 2017.
- ♥ Mr. Rajan Parajuli, a doctoral student from the Gender and Development Studies Program, under the supervision of Dr. Philippe Doneys, was awarded the Elsevier Atlas Award for December 2017 for his article Exploring the Role of Telemedicine in Improving Access to Healthcare Services by Women and Girls in Rural Nepal as part of his PhD research.

SCHOOL OF ENGINEERING AND TECHNOLOGY

Hisamatsu Prize

- ♥ Sanjana Jain

Wireless Personal Multimedia Communications (WPMC) Prize

- ♥ Amit Prasad Nayak

AB Sharma Memorial Prize

- ♥ Su Kyi

John A. Hrones Prize

- ♥ Apantri Peungnumsa

Hisamatsu Prize

- ♥ Chanuphon Trakarnchaiyo

Tim Kendall Memorial Prize

- ♥ Thanaphorn Sornprom

Mahesh Varma Prize

- ♥ Amarasinghe Arachchilage
- ♥ Samitha Rangana Amarasinghe

Chin Fung Kee Prize

- ♥ Muhammad Danish

Wen-Jei Yang Prize

- ♥ Le Thi Hang

Professor Lal Chand Wadhwa Memorial Prize

- ♥ Prem Chinnaworn
- ♥ Patteera Jensupakarn

Chainarong Na Lamphun Prize

- ♥ Dhiraj Acharya

Hiromichi Seya Prize

- ♥ Sanjana Jain

AIT Alumni Association Prize

- ♥ Muhammad Danish

SCHOOL OF ENVIRONMENT, RESOURCES, AND DEVELOPMENT

C. Kwei Lin Prize

- ♥ Inamul Hassan Abdul Lathief

Yoshiro Takasaki Prize

- ♥ Debashis Roy

Mahadeo N. Solkhe Memorial Prize and AIT Alumni Association Prize

- ♥ Abiral Pant

Robert and Gunta Banks Prize and Chongrak Polprasert Prize

- ♥ Sitichok Tepin

Hisamatsu Prize

- ♥ Smriti Shrestha

Alastair M. North Prize

- ♥ Mahmuda Sultana

Tim Kendall Memorial Prize

- ♥ Le Truong Ngoc Han

Prof. Lal Chand Wadhwa Memorial Prize and Yoh Kurosawa Prize

- ♥ Truong Thi Ai Nhi

Recognition of Alumni

School of Engineering and Technology

- ♥ **Mr. Kyaw Linn**, who graduated with a Professional Masters in Construction, Engineering, and Infrastructure Management from AIT's School of Engineering & Technology (SET) in 2015, was appointed Deputy Minister in the Ministry of Construction, Republic of the Union of Myanmar on June 5, 2017.
- ♥ **Dr. Tissa Illangasekare** (WRE '74) Dr. Tissa was named Member of the Nuclear Waste Technical Review Board (NWTRB) by former US President Barack Obama. He is among the 11 experts named by President Obama on January 6, 2017 for key administration positions.
- ♥ **Dr. R. Logen Logendran** (IEM '80) Dr. R. Logen Logendran received the Award for Technical Innovation in Industrial Engineering from the Institute of Industrial and Systems Engineers (IISE). This award recognizes those who have distinguished themselves through contributions to the welfare of mankind in the field of industrial engineering. The contributions are of the highest caliber and nationally or internationally recognized. The award was formally conferred at the IISE Honors & Awards Banquet, held on Monday May 22, 2017 in Pittsburgh, Pennsylvania, USA.

School of Environment, Resources, and Development

- ♥ SERD alumnus **Thamarak La-Ongnual** was appointed Rector of Ubon Ratchathani Rajabhat University. He received the Royal Command of his appointment on March 18, 2017. Associate Professor Mr. Thamarak graduated with a Masters in Agriculture and Food Engineering from the School of Environment, Resources, and Development (SERD) in 1994. He was also a recipient of a Royal Thai Government (RTG) scholarship at SERD.
- ♥ SERD alumnus **Dr. Devendran Subhakar** (Masters in Energy, 1983) was appointed the first Vice Chancellor of Vellore Institute of Technology Andhra Pradesh (VIT-AP), India in July 2017. VIT-AP is the first university to be established in Amaravati, the new capital of the Indian province of Andhra Pradesh.
- ♥ **Mr. Yubaraj Bhusal**, an alumnus of SERD, who earned a masters in Regional Development Planning and Management in 1996, was appointed CEO of Nepal's National Reconstruction Authority (NRA).
- ♥ **Mr. Sanchai Thiewprasertkul**, an alumnus of EEM (1976) was appointed President of Siam Piwat, the owner and operator of Siam Paragon, Siam Center, and Siam Discovery.

- ♥ Recent SERD graduate **Vasan Narang** (NRM, 2017) was selected as the lone representative from Thailand in the Asian edition of the Youth Voices Capacity Building Workshop 2017 held on May 22-27, 2017 at the UNESCO World Heritage Site, Singapore Botanic Gardens. Organized by the Global Youth Biodiversity Network (GYBN) and hosted by the National Parks Board (NParks) of the Singapore Government, 25 young people from 18 Asian countries participated in the workshop.
- ♥ In recognition of services and outstanding technical contributions to the nation, the Managing Director of Bhutan Power Corporation Ltd. **Gem Tshering** was awarded AIT Alumni Association Distinguished Alumni Award in the Rural and Community Development category. The award was presented during the 46th Governing Board Meeting held on November 3-6 in Taipei, Taiwan
- ♥ **Dr. Sher Jamal Khan**, Associate Professor in the Institute of Environmental Sciences and Engineering (IESE), School of Civil and Environmental Engineering (SCEE), National University of Sciences and Technology (NUST), Islamabad, Pakistan, an AIT/EEM alumni was awarded the Salimuzzaman Siddiqui Prize in Applied Science Technology 2017 in Engineering Sciences for Scientists



under 40 by the Pakistan Academy of Sciences (PAS) at a ceremony held on November 1, 2017 at the PAS Secretariat, Islamabad. This prestigious award was in recognition of his outstanding research work in the subject. Decision of the PAS Council was duly endorsed by TWAS, the Academy of Sciences for the Developing World, Italy. The prize carried a cash award of USD 1,000 and a certificate.

- ♥ **Prof. Somchai Wongwises** (Energy '84)
Prof. Somchai Wongwises was included in the list of 2017 Highly Cited Researchers in the field of Engineering. The Highly Cited Researchers list issued by Clarivate Analytics is an annual list recognizing leading researchers in the sciences and social sciences from around the world. The final new list contains about 3,400 Highly Cited Researchers in 21 fields of the sciences and social sciences. The 2017 list focuses on contemporary research achievement: only Highly Cited Papers in science and social sciences journals indexed in the Web of Science Core Collection during 2005-2015 were surveyed. Highly Cited Papers are defined as those that rank in the top 1% by citations for their field and publication year in the Web of Science. Highly Cited Researchers lead the way in solving the world's biggest challenges.

- ♥ **Dr. M.E. Asadi** (IWRM '01)
Dr. M.E. Asadi is the author of a book entitled Healthy Soils with Conservation Agriculture Systems. Dr. Asadi's main purpose in writing this book was to help create an awareness, especially among farmers community and researchers, of the need and the opportunity for Iran to join the agricultural revolution toward conservation agriculture (CA) practices aiming to enhance the resilience of the farming systems, using less water and other inputs, and lowering the costs of sustainable production while creating healthier soils, the natural resource all humans depend on. As Iran is situated in a dry region of southwest Asia, with 250 mm in annual rainfall, or less than one third of global average rainfall, while more than 92% of renewable water is being consumed in the agricultural sector for the irrigation of crops such as wheat, barley, soybean, maize, and so on. There is no way to use water efficiently to produce more food for Iranian people through agricultural production. In this way, conservation agriculture (CA) is the best way to adapt to arid and semi-arid climatic conditions.

School of Management

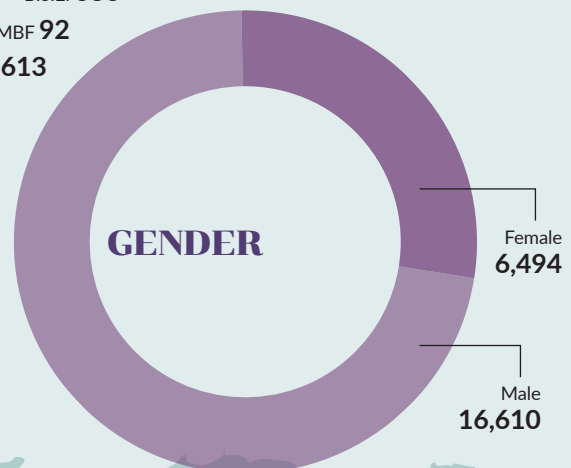
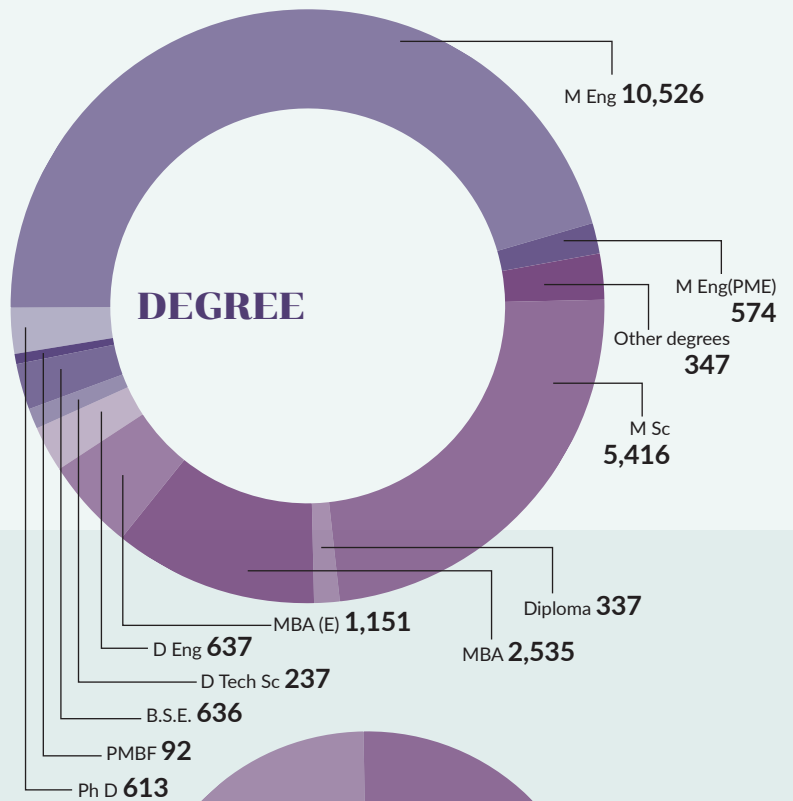
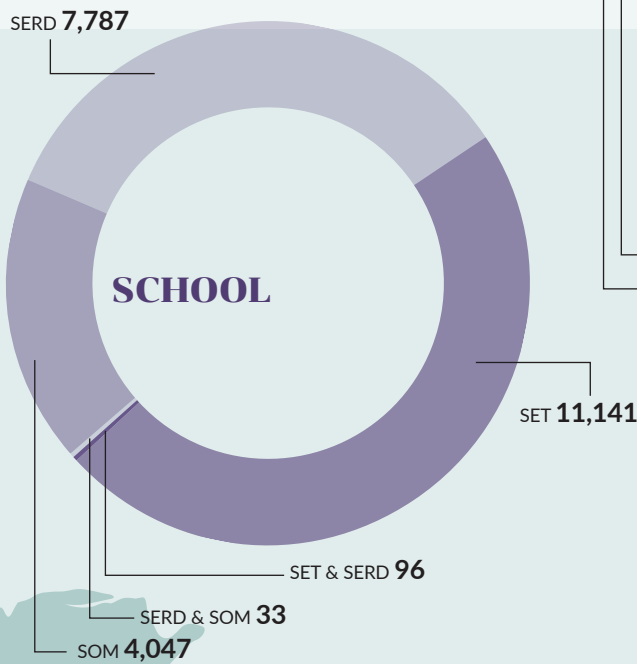
- ♥ **Shamshad Ali Khan** (MOT '97)
Shamshad Ali Khan is currently Chief Executive Officer of Matana

Steel Factory, Bahrain. He received an Award from the Joint Japan World Bank Graduate Scholarship Program at AIT. He is an alumnus from School of Management in Management of Technology, 1997. Shamshad Ali Khan is one of the 30 professionals chosen by the World Bank under 30 Stories of Success, whose interview by the World Bank can be viewed on the World Bank's website.

- ♥ **Dr. Amin Nazifi** (SOM '09)
Dr. Amin ranked among the top students in his class following completion of his first year and was thus selected for the Dual Degree Program at ESCP Europe in Paris, France. The dual degree program was a great opportunity and enabled him to work in the industry for two years at AXA, the second largest insurance company in the world, before starting his PhD and pursuing a career in academia. Dr. Amin recently completed his PhD from the University of Edinburgh and recently became a full-time Lecturer (Assistant Professor) in Marketing at Strathclyde Business School, Glasgow.
- ♥ **Sadichha Shrestha** (SOM '17)
Former Miss Nepal (2010) Sadiccha Shrestha was conferred with Nepal Bidhya Bhusan 'B' medal by the President of Nepal on September 8, 2017 on the occasion of the 38th National Education Day and International Literacy Day.

Alumni at a Glance – Statistics

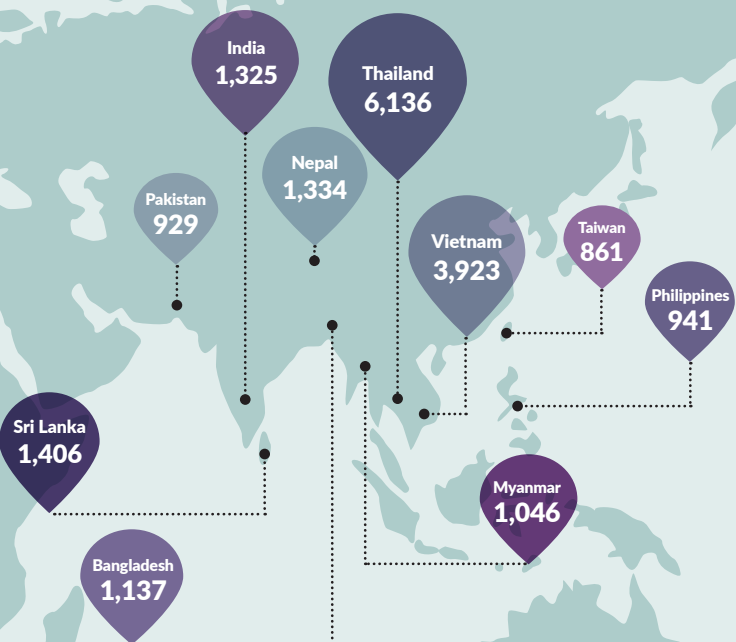
1961 - 2017 ALUMNI BY DEGREE, SCHOOL AND GENDER



1961 - 2017 ALUMNI BY COUNTRY

2017 TOTAL ALUMNI

23,104



CAMPUS REHABILITATION

On February 26, 2015, the Administration received approval from the AIT Board of Trustees to use the rest of the insurance funds to replace, rejuvenate, and upgrade the entire campus infrastructure backbone, namely: (1) the air-conditioning system; (2) the electrical system; (3) the water supply system; (4) the waste water system; and (5) the ground and pavement system.

Brief details on the upgrade of the campus infrastructure backbone in 2017 are shown below:

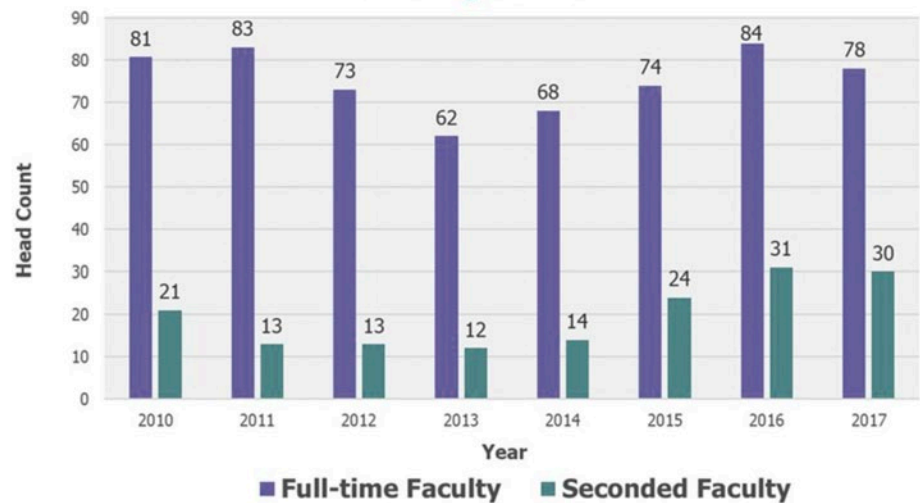
1. Air conditioning system: In 2017, the upgrade of the air-conditioning network in the Administration Building, which included installing new piping, fan coil units, and accessories, was completed. The next project in 2018 will be to upgrade of air-conditioning networks in the Academic North & South buildings. The survey for the designing process has been completed; however, due to the high renovation cost, work may start gradually zone by zone within the available budget.
2. Electrical system: In 2017, 32 street lights on the main road in the campus from the gate to ET building were upgraded to LED lighting for brighter light and higher efficiency. The project will be extended to cover all street lights on the campus in 2018. Improvement and upgrading works at major substations will start in early 2018 and will include upgrading load distribution panels in the dormitories.
3. Water supply: All major works for water supply system improvements are nearly completed. In 2017, the piping replacement in Student Villages 1 and 2, ST 4-6, and ST 9-12 areas were completed. In addition, all old and damaged fire hose cabinets on the campus have been upgraded.
4. Wastewater system: The upgrading of the wastewater pipe network in Student Villages 1 and 2 have been started and should be completed by January 2018. The renovation of Cafeteria and SU Snack Bar piping were also completed. The next project will be improvements to pumps at pumping stations all over the campus.
5. The ground and pavement system of the main road will start in early 2018 in time for the AIT Library Grand Opening.

In addition to these main backbone infrastructure projects, other major renovation projects were successfully completed in 2017. These projects include: a) renovation of Dormitories F and H; b) improvements to roofing in the ITServe Building; c) renovation of the tennis court near the Library; d) improvement to the football field behind the Administration Building; e) renovation of the AIT swimming pool; and f) installation of new vinyl ceiling in walkway from the AIT Conference Center Building to the Administration Building and the AIT Extension Building. Another new project completed successfully in 2017 was the construction of the AIT Clock Tower, which has now become the new landmark of the Institute.

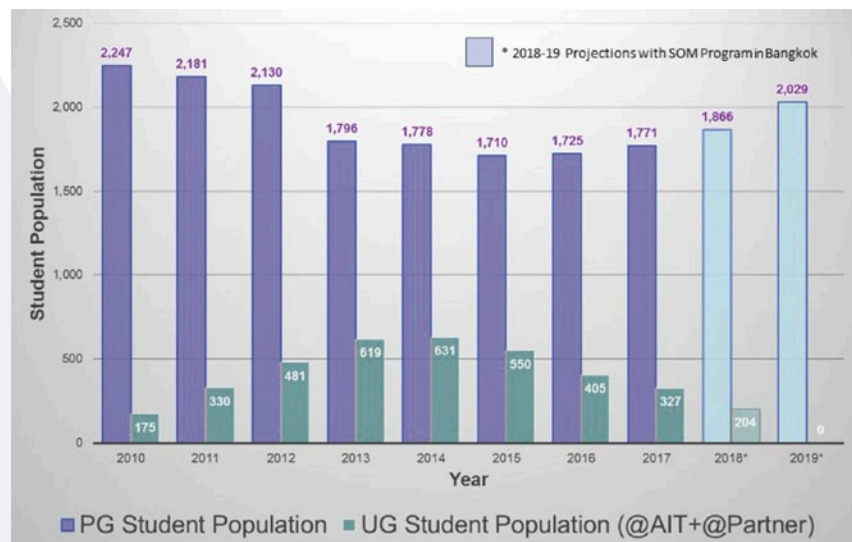
AIT KEY FIGURES & TRENDS

Faculty and Students

FACULTY TRENDS

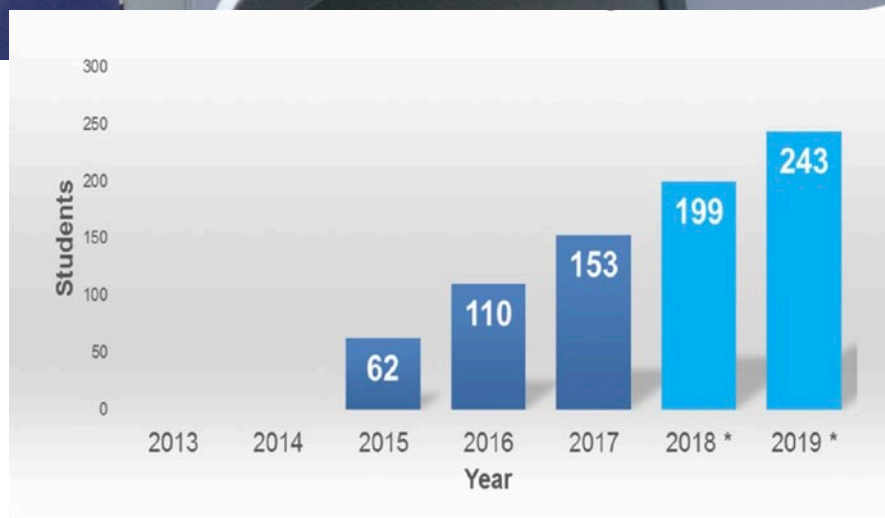


STUDENT POPULATION: POSTGRADUATE VS UNDERGRADUATE

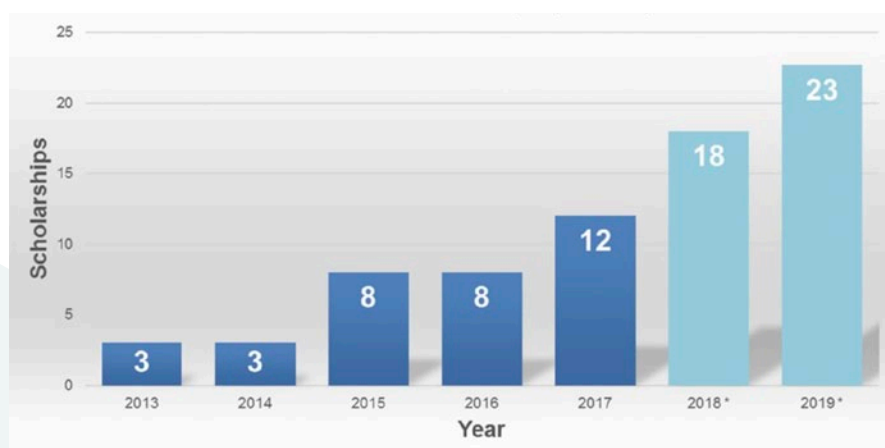




UNIFIED BACHELOR/ MASTER PROGRAM

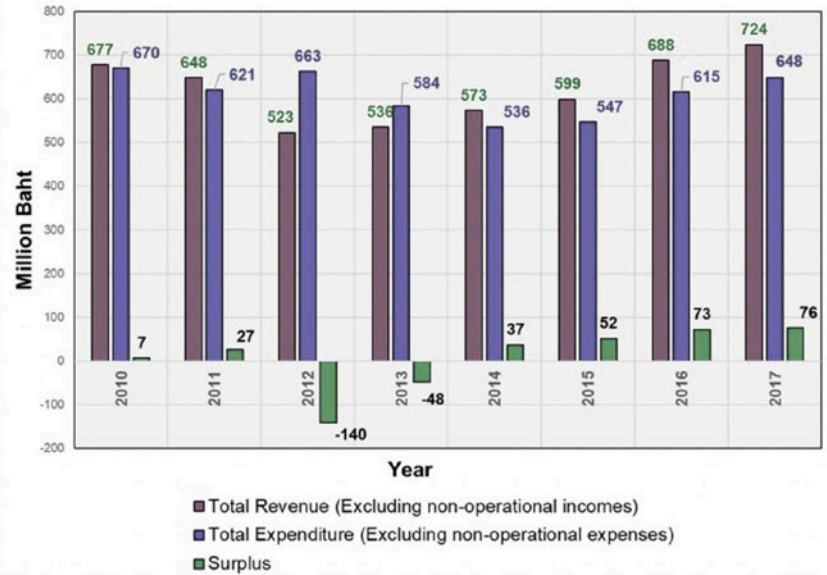


INDUSTRIAL SCHOLARSHIPS (CADV)

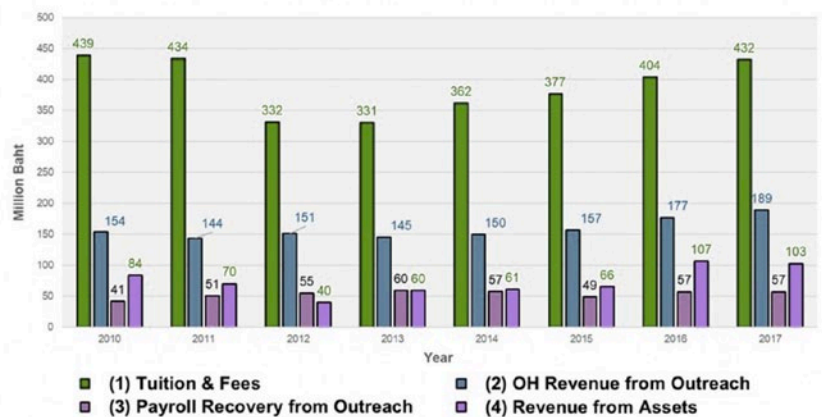


Financial Performance

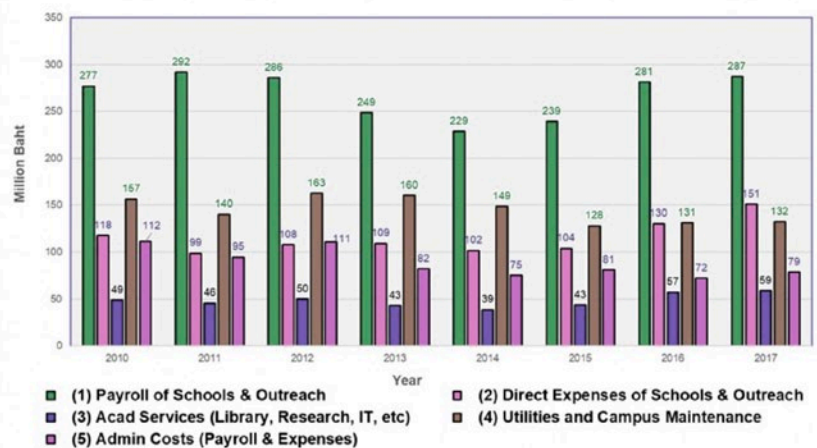
2010-2017 OPERATIONAL PERFORMANCE OF AIT



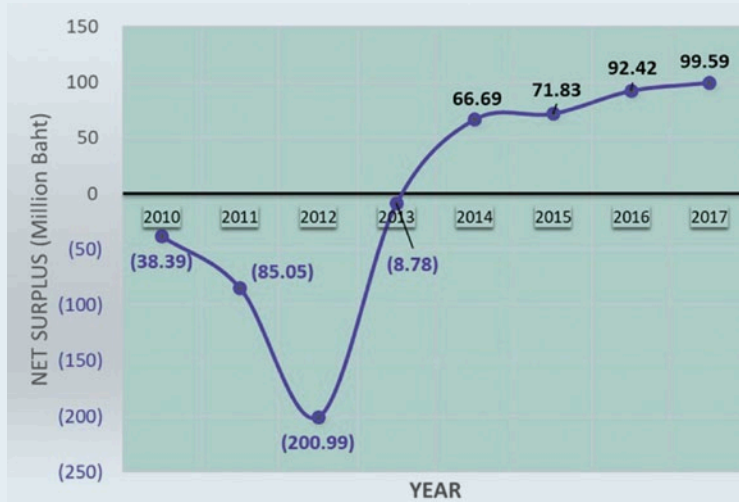
COMPONENTS OF AIT REVENUES



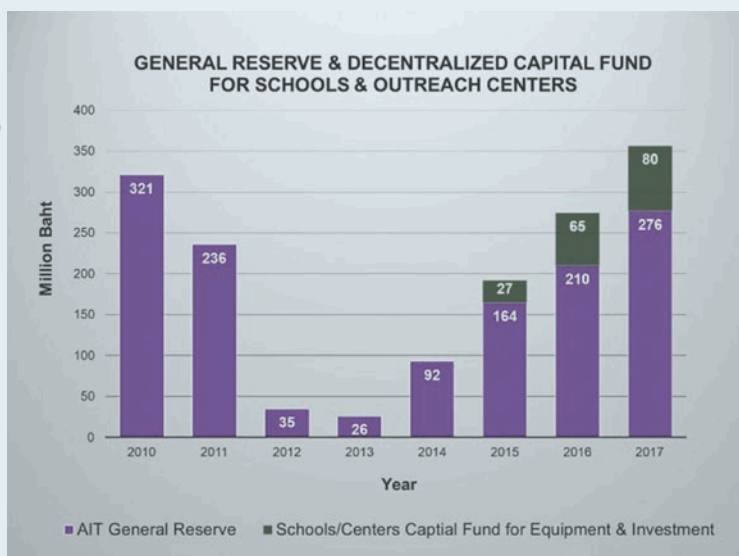
COMPONENTS OF AIT EXPENDITURES



ANNUAL SURPLUS 2010-2017



GENERAL RESERVE & DECENTRALIZED CAPITAL FUND FOR SCHOOLS & OUTREACH CENTERS



FUNDRAISING

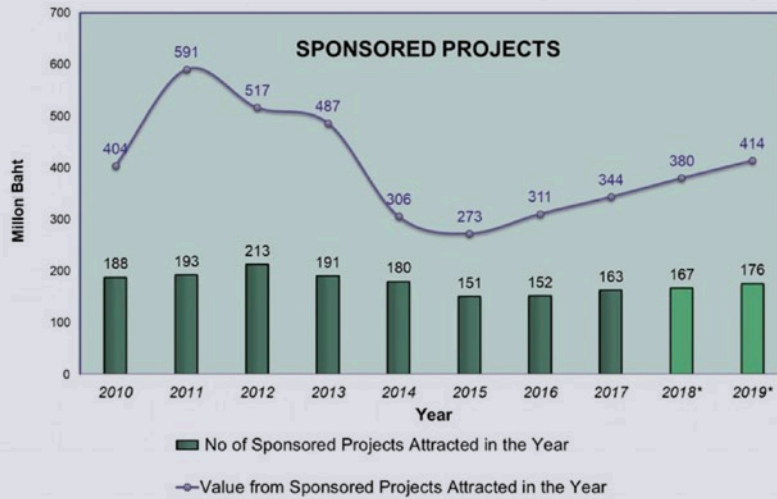
Asian Institute of Technology Summary of Raised Funds For the Years 2012 to 2016

Donor	Fund Amount in THB 1,000						Remarks
	2012	2013	2014	2015	2016	Total	
(1) Scholarships & Fellowships							Donations received from various donors for the scholarship grants to be given to qualified students
Governments	140,908	118,347	179,246	163,184	164,570	766,255	
International Organization	-	-	421	-	3,037	3,458	
National Government Agencies	37,857	25,242	36,071	18,893	31,598	149,662	
Business, Foundation, Private and Others	13,510	17,049	24,660	51,792	25,766	132,798	
Total	192,276	160,638	240,419	233,869	224,971	1,052,173	
(2) Projects under Sponsored fund							Donations received from service providers or project donors
Governments	80,054	107,242	68,916	99,378	69,995	425,585	
International Organization	125,032	55,272	80,688	44,884	71,103	376,978	
National Government Agencies	42,875	46,908	56,202	22,247	25,933	194,165	
Business, Foundation, Private and Others	119,138	63,331	61,088	231,824	255,912	741,283	
Total	377,099	272,753	266,893	398,333	422,943	1,738,022	
(3) Library Modernization	In addition to CE Fund, Flood Relief Fund and a part of FoAIT Fund that donors indicated to be used for Library.						Donations received from various donors for the renovation of Library damaged by flood
Governments	-	-	-	-	-	-	
International Organization	-	-	-	-	-	-	
National Government Agencies	-	-	-	5,000	-	5,000	
Business, Foundation, Private and Others	-	-	1,036	58,583	1,264	60,883	
Total	-	-	1,036	63,583	1,264	65,883	
(4) Secondment Faculty							Equivalent mid-point salary (using AIT salary scale) of the corresponding faculty assigned to AIT from other Universities/Organization.
Governments	12,399	11,435	6,810	9,999	13,812	54,456	
International Organization	11,427	10,236	6,602	4,127	3,999	36,391	
National Government Agencies	7,530	6,152	7,661	7,415	7,997	36,755	
Business, Foundation, Private and Others	5,391	8,453	5,361	2,365	2,000	23,770	
Total	36,747	36,277	26,434	23,906	28,008	151,372	
(5) Agency Funds for Non-Scholarship Activities & Assets	Funds in Agency A/C for Endowment, Equipment, Overseas Local Currencies, Transitory Fund, etc.						Endowment Fund donated by various agencies for specific purposes and Transitory Fund to Institutional Support
Governments	68,548	55,582	431	-	-	124,561	
International Organization	1,196	745	-	-	-	1,941	
National Government Agencies	49	15	-	-	-	64	
Business, Foundation, Private and Others	1,480	914	1,328	2,301	4,863	10,887	
Total	71,273	57,256	1,759	2,301	4,863	137,453	
Total							
Governments	301,909	292,606	255,463	272,561	248,377	1,370,857	
International Organization	137,654	66,252	87,711	49,011	78,139	418,768	
National Government Agencies	88,312	78,317	99,934	53,555	65,528	385,646	
Business, Foundation, Private and Others	149,509	89,749	93,493	346,865	290,005	969,622	
Grand Total	677,385	526,924	536,541	721,992	682,049	3,144,892	
Average of 5 years (in THB 1,000)						628,978	

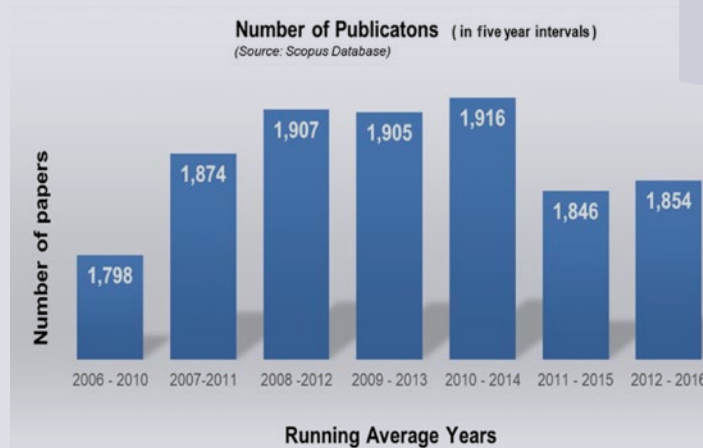
Finance Office 4 Jun 2018

Research Output

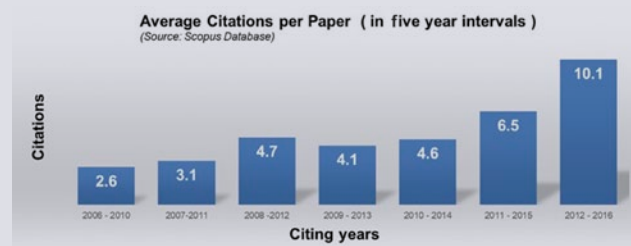
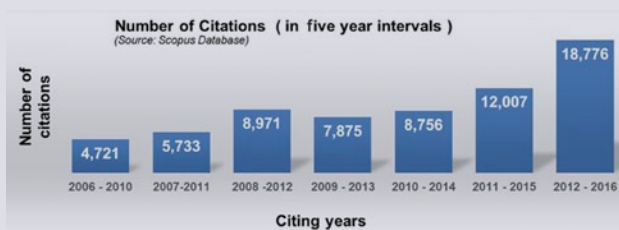
SPONSORED PROJECTS 2010-2017



RESEARCH OUTPUT



RESEARCH QUALITY



Performance: Schools & Centers

RESPONSIBILITY CENTERS

Schools

SCHOOL OF ENGINEERING & TECHNOLOGY (SET)

Departments:

- ◆ Civil & Infrastructure Engineering (CIE)
- ◆ Information & Communication Technologies (ICT)
- ◆ Industrial Systems Engineering (ISE)

SCHOOL OF ENVIRONMENT, RESOURCES & DEVELOPMENT (SERD)

Departments:

- ◆ Food, Agriculture & Bioresources (FAB)
- ◆ Energy, Environment & Climate Change (EECC)
- ◆ Development & Sustainability (DS)

Outreach & Research Centers

AIT EXTENSION

AIT SOLUTIONS

AITCV

CCA@ AIT

AITIS

LANGUAGE CENTER

SPECIAL & ONLINE DEGREES

COENANO

RRCAP

GIC

INTERLAB

AIT ASSETS

RC FINANCIAL PERFORMANCE 2017

All figures in Million Baht

Responsibility Centers - RC		REVENUES (Operating Fund 10-22+24)				EXPENDITURES (Operating Fund 10-21+24)										Surplus Adjustment				Surplus (deficit) credited to RC	Share of 40% Surplus to Capital Fund			
		(1) Net Tuition & Fees	(2) Internal Transfers	(3) Research Training, Consulting	(3) Assets	RC-based Expenses					Campus-wide Expenses					Surplus	Residual (Closed Projects)	Provision for Doubtful Debts	Space charge (3000/Sqm) for Year 1 RC					
						(1) Salaries and Benefits	(2) Payroll Recovery from projects	(3) Direct Expenses	(4) Academic Services	(5) Utilities & Campus Maintenance	(6) Central Admin													
												(B1)	(B2)	(B3)	(B4)							(B5)	(B6)	(B11)
RC1	SET ALL																			41.87	14.81			
	SET Regular	247.34	-1.21	13.07		96.69	-4.36	29.21	30.74	29.12	35.33	42.46	0.10	-1.46	0.00				41.11					
	SET Outreach (Fund 21)	0.00	0.00	9.91		5.76	-0.10	3.45				0.80							0.80					
	SET Vietnam	2.55	0.00	0.00		0.13	0.00	2.66				-0.23							-0.23					
RC2	SERD ALL																		-4.68	1.64				
	SERD Regular	134.40	-0.83	12.13		67.24	-2.30	11.66	17.35	21.29	22.24	8.23	0.33	-2.15	0.00				6.42					
	SERD Outreach (Fund 21)	0.00	0.00	1.21		3.70	-1.52	0.77				-1.74							-1.74					
RC3	SOM ALL																		-10.58	0.00				
	SOM Regular	38.16	-0.09	2.55		18.22	-0.28	4.98	5.69	5.08	6.39	0.54	0.00	0.81	0.00				1.16					
	SOM Vietnam	2.08	0.00	0.00		0.11	0.00	1.05				0.92							0.92					
	SOM Bangkok Campus	3.15	0.00	0.00		0.09	0.00	15.71				-12.65							-12.65					
RC4	AIT Extension (w/ 827 sq.m. rent)				17.83	28.83	-20.06	1.36	1.50	2.21	3.30	0.69	9.40	0.00	-2.88	7.11	2.49							
RC5	AIT Solutions (w/ 812 sq.m. rent)				47.46	10.43	-3.50	24.05	0.96	1.44	4.00	10.07	1.49	0.00	-2.40	9.16	3.21							
RC6	AIT Language Center	4.41	2.13	0.00		4.41	-2.15	1.18	0.19	1.01	0.68	1.20				1.20	0.42							
RC7	AIT International School				36.35	22.75	0.00	1.87	1.06	2.73	4.49	3.46				3.46	1.21							
RC8	Interlab	1.26			4.03	-3.56	0.00	0.15	0.65	0.23	-0.23					-0.23								
RC9	Cell Nanotechnology				0.28	0.43	0.00	0.17	0.06	0.28	0.11	-0.77				-0.77								
RC10	GIC				3.62	9.88	-11.74	0.00	0.25	1.02	0.41	3.81				3.81	1.33							
RC11	ACISAI				0.00	0.00	0.00	0.00	0.08	0.20	0.06	-0.34				-0.34								
RC12	RRC AP				11.03	9.40	-10.44	0.10	0.58	1.16	1.35	8.89				8.89	3.12							
RC13	Institute (Faculty Secondment)				32.20	0.00	0.00	32.20	0.00	0.00	0.00	0.00				0.00	0.00							
RC14	AIT Asset under OFAM				0.00	102.77	4.96	0.00	20.48	0.00	66.20	0.00	11.13	0.00	0.00	5.37	16.50	5.78						
		432.10	0.00	188.90	102.77	287.04	-66.01	150.92	58.62	132.39	78.66	76.22	11.33	-2.99	0.00	84.56	33.82							
		60%	26%	14%	44%	-9%	23%	9%	20%	12%														
		723.77				58.44						41.6%				76.22								
						647.56										76.22								
(S1)	AIT Operation Total															76.22								
(S2)	Residual of Closed Sponsored programs															11.33								
(S3)	Provision for Students' debts															-2.99								
(S4)	AIT Non-Operation (Bank interest, etc)															15.03								
TOTAL ANNUAL SURPLUS																99.59								

- Responsibility Center(s) generates surplus (revenue expenditure) and keeps a part of its surplus for capital investment.
- RC1-RC3 are Academic RCs, the rest are Non-Academic RCs.
- AIT Extension and AIT Solutions are Year 1 RCs. Annual performance of Year 1 RCs is evaluated based on business environment including space rent of 550 Baht/sqm, which is allowed given merit award to staff.
- Assets RCs (RCs) manage AIT's assets, generate fair income and use its net surplus to subsidize 50% of the cost of utilities and outsourced campus maintenance (B1).
- Payroll Recovery (B2) - the RC's cost recovery of RC paid faculty and staff time used for sponsored programs. It is listed as negative expenses.
- Academic Service (B3) - library and research services, Purchasing office, Alumni Office, Purchasing and Office of Student Affairs.
- Utilities and Campus Maintenance (B4) - electricity, water supply, water treatment, integrated infrastructure maintenance. 50% will be subsidized by revenues generated from institute assets.
- Residual (B5) and (B6) projects are included to RCs who own the projects.
- Provision of Student Debts (B7) are debited to Schools of the institute students.
- Space charges (B8) of 550 Baht per sq.m. will be debited to Year 1 RCs, thus enabling Year 1 RC to exercise fair calculation of its subsidized surplus.
- 50% of the annual operation surplus will be shared in Capital Fund AIC, 40% for contributing RCs and 10% for Institute, which can be accumulated for future capital investment.
- Year 1 is allowed to budget a supplementary 10% of its net surplus (after merit, or 5.00% before merit), as last year merit award, to its payroll of the year after.

RC PERFORMANCE TRENDS : SURPLUS (DEFICIT) IN MILLION BAHT

Responsibility Centers - RC	2010	2011	2012	2013	2014	2015	2016	2017
SET	21.80	34.18	(52.74)	(15.14)	28.58	17.87	47.66	41.67
SERD	14.35	10.81	(39.87)	(22.38)	(6.24)	(0.44)	(6.95)	4.68
SOM	12.60	5.12	(6.38)	(3.18)	4.58	7.65	(6.19)	(10.58)
AIT Extension	6.50	9.35	6.49	21.03	13.75	16.23	8.55	7.11
AIT Solution	(4.03)	1.80	3.81	3.53	5.56	8.33	9.84	9.16
Language Center	(4.00)	(8.29)	(5.68)	(5.68)	(3.56)	(1.37)	(0.37)	1.20
AIT International School	(7.95)	(5.25)	(12.77)	(8.94)	(3.07)	1.74	5.23	3.46
Interlab	(1.47)	(3.13)	(1.55)	(3.35)	0.27	(0.11)	1.18	(0.23)
CoE Nanotechnology							0.04	(0.77)
GIC							(0.61)	3.81
SDCC / ACISAI							0.37	(0.34)
RRCAP							(8.13)	8.89
Assets Fund 24	4.80	0.35	(2.16)	1.25	0.54	1.26	23.02	16.50
Other RCs (SET SERD Labs)	(28.71)	(6.38)	(7.83)	1.10	4.13	2.76	1.53	Note
AIT Operation Surplus	13.88	38.56	(118.68)	(31.76)	44.54	53.92	75.35	84.56
AIT Non-Operation Surplus	(52.27)	(123.61)	(82.31)	22.98	22.15	17.91	17.07	15.03
AIT TOTAL SURPLUS	(38.39)	(85.05)	(200.99)	(8.78)	66.69	71.83	92.42	99.59

FINANCIAL PERFORMANCE TREND 2010-2017

Responsibility Centers		Earned Capital Fund (mB)			
		2015	2016	2017 (F)*	Total
1	SET	8.63	14.72	6.94	30.29
2	SERD	0.00	0.00		0.00
3	SOM	3.69	0.00		3.69
4	Language Center	0.00	0.00	2.11	2.11
5	AIT Extension	7.84	2.64	1.36	11.84
6	AIT Solution	4.02	3.04	0.21	7.27
7	AIT International School	0.84	1.62	0.34	2.80
8	Interlab	0.00	0.36		0.36
9	CoE Nanotechnology			0.21	0.21
10	GAC			1.21	1.21
11	ACISAI			0.34	0.34
12	RRC.AP			0.88	0.88
13	SET Outreach (fund 21)	1.33	0.64	0.58	2.55
14	SERD Outreach (fund 21)				0.00
15	Institute (Faculty Secondment)	0.00	0.00	0.00	0.00
16	Assets fund 24	0.61	7.11	1.71	9.43
11	Common Pool for Loan	0.00	7.54	3.98	11.52
Total Allocated Capital Fund		26.96	37.67	19.87	84.50

All figures are in million Baht

* This is forecast and may be adjusted to be accurate.

CAPITAL FUND EARNED BY RCs

FINANCIAL SUSTAINABILITY OF FIELDS/ DEPARTMENTS

SET Fund 10	2011	2012	2013	2014	2015	2016
CEIM	5,080,307	1,822,519	2,032,446	9,590,256	10,977,704	15,975,691
DPMM	2,676,501	166,330	1,706,815	2,218,583	(1,785,942)	38,806
GTE	628,620	(4,551,144)	(774,045)	4,410,424	1,037,965	55,799
OTM	4,257,509	(1,885,076)	(597,513)	31,367	(1,752,235)	(1,479,629)
STE	3,679,392	(1,374,870)	(1,342,761)	(929,587)	2,074,760	8,090,563
TRE	8,102,933	(2,917,212)	191,605	(932,049)	622,932	1,258,065
WEM	8,829,483	4,493,051	10,478,167	13,118,958	9,156,602	2,424,599
CEI DEPARTMENT	33,254,746	(4,246,401)	11,694,713	27,507,952	20,331,786	26,363,894
CSIM	1,947,274	(14,998,077)	(9,395,400)	(7,267,094)	(10,084,273)	(5,377,784)
ICT	3,522,974	980,051	744,719	1,045,680	1,101,589	1,270,993
RSGIS	7,118,056	3,837,013	3,056,681	5,175,531	9,835,482	14,253,762
TC	(6,047,756)	(8,193,947)	(5,104,923)	(77,225)	(777,078)	(986,060)
ICT DEPARTMENT	6,540,548	(18,374,960)	(10,698,924)	(1,123,108)	75,720	9,160,911
IME	(2,948,497)	(14,854,961)	(11,503,771)	(8,057,964)	(2,446,863)	(3,886,580)
MT/MIC	10,955,260	4,315,928	993,568	(846,640)	(582,750)	4,484,377
NANO	776,430	495,716	155,040	(1,802,757)	(2,685,323)	(1,365,936)
ISE DEPARTMENT	8,783,193	(10,043,317)	(10,355,163)	(10,707,362)	(5,714,936)	(768,139)
UG	6,757,048	(3,268,525)	6,428,100	21,602,392	15,174,937	26,260,787
DEAN SET	(19,643,707)	(16,197,053)	(10,942,121)	(8,690,299)	(11,800,171)	(14,462,857)
SET SCHOOL	35,691,829	(52,130,256)	(13,873,394)	28,589,576	18,067,336	46,554,596
AARM	3,231,939	(5,614,976)	313,639	2,148,688	688,256	(3,293,136)
ASE	3,645,590	(3,360,180)	(1,951,670)	(1,233,995)	1,352,624	(391,555)
FBT	3,392,861	(6,676,467)	(1,628,553)	(1,138,855)	(1,530,461)	(3,080,135)
PPT	(2,757,916)	(5,748,029)	(2,289,225)	(1,522,110)	(1,274,382)	(620,190)
FAB DEPARTMENT	7,512,474	(21,399,652)	(5,555,809)	(1,746,272)	(763,962)	(7,385,016)
CCSD	660,000	2,473,537	3,309,161	1,858,745	824,890	2,681,964
Energy	3,140,961	(2,979,390)	(12,652,821)	(9,559,590)	(9,655,431)	(6,204,910)
EEM	2,794,624	(5,906,203)	(3,583,939)	7,123,916	16,840,153	10,438,086
MBA-EB	0	682,000	1,517,225	1,716,326	1,680,740	1,913,224
UWEM	0	0	0	0	1,490,000	1,701,600
EECC DEPARTMENT	6,595,586	(5,730,057)	(11,410,374)	1,139,397	11,180,352	10,529,963
GDS	4,572,277	6,280,989	3,519,230	3,394,149	(1,944,390)	(3,086,669)
NRM	7,466,218	(26,158)	1,728,507	6,493,025	3,761,936	3,440,594
RRDP	(272,252)	(4,708,684)	(3,657,623)	(5,139,906)	(3,994,127)	(7,745,566)
UEM	(1,390,132)	1,069,708	3,507,898	1,443,423	787,987	2,157,252
DS DEPARTMENT	10,376,112	2,615,856	5,098,012	6,190,691	(1,388,595)	(5,234,389)
UG	0	0	0	(1,129,348)	(333,632)	4,209,244
DEAN SERD	(14,463,005)	(16,261,215)	(10,512,301)	(9,977,361)	(9,031,882)	(8,736,616)
SERD SCHOOL	10,021,168	(40,775,068)	(22,380,472)	(5,522,894)	(337,719)	(6,616,814)

SOM Fund 10	2011	2012	2013	2014	2015	2016
ALL PROGRAMS	5,069,711	(11,968,756)	(3,057,666)	4,779,181	7,927,628	(6,047,275)
DEAN SOM	(830,091)	(268,336)	(122,678)	(202,161)	(198,016)	(135,784)
SOM SCHOOL	4,239,620	(12,237,092)	(3,180,344)	4,577,020	7,729,613	(6,183,060)



Key Performance Indices

NINE KPIS FOR SCHOOL EVALUATION

SCHOOL	2012	2013	2014	2015	2016	2017	AVERAGE
KPI1 - Number of Staff / Faculty (lower --> more efficient)							
SET	2.2	3.2	3.2	2.9	2.6	2.6	2.8
SERD	2.3	3.1	3.2	3.3	3.4	3.4	3.1
SOM	1.1	1.4	1.0	1.1	1.4	1.7	1.3
AIT	2.1	2.9	2.9	2.9	2.8	2.9	2.7
KPI2 - Number of Students / Faculty (lower --> better support to students)							
SET	19.4	21.8	21.2	21.1	21.2	22.2	21.2
SERD	14.8	15.4	15.3	14.3	14.4	13.8	14.7
SOM	46.3	57.0	44.7	46.8	46.6	35.4	46.1
AIT	21.1	23.1	22.0	21.0	20.6	19.8	21.3
KPI3 - Course credits taught / Faculty (higher --> more educational productivity)							
SET	13.5	17.2	15.1	16.5	13.6	13.4	14.9
SERD	10.5	11.9	10.8	10.7	9.5	9.1	10.4
SOM	34.5	42.3	26.5	27.7	29.0	27.1	31.2
AIT	15.1	17.8	14.9	15.2	13.2	12.8	14.8
KPI4 - # Master's Graduates / Faculty (higher --> higher output of master's graduates)							
SET	6.0	8.8	5.9	6.5	6.2	7.2	6.8
SERD	4.3	6.5	4.4	4.0	4.3	4.7	4.7
SOM	17.3	21.1	14.9	15.3	17.4	10.1	16.0
AIT	6.8	9.3	6.6	6.4	6.4	6.4	7.0
KPI5 - # Doctoral Graduates / Faculty (higher --> higher output of doctoral graduates)							
SET	0.9	1.2	0.9	0.4	0.6	0.6	0.8
SERD	1.0	0.8	1.1	0.7	0.9	1.0	0.9
SOM	1.4	1.7	1.1	1.2	2.6	1.6	1.6
AIT	1.0	1.0	1.0	0.6	0.9	0.8	0.9
KPI6 - Value (mB) of Sponsored Programs & Projects / Faculty (higher --> more industrial relevance)							
SET	1.84	1.78	2.49	1.78	2.01	0.92	1.80
SERD	1.76	0.60	0.97	0.93	1.10	3.50	1.48
SOM	4.40	4.27	0.00	1.78	1.78	0.00	2.04
AIT	2.14	1.55	1.49	1.41	1.61	1.92	1.69
KPI7 - # Publication / Faculty (higher - better research performance of average faculty)							
SET	2.6	3.7	3.6	2.8	1.9		2.9
SERD	3.0	4.0	3.7	4.0	3.4		3.6
SOM	1.1	1.8	0.9	1.1	1.4		1.3
AIT	2.5	3.6	3.3	3.1	2.5		3.0
KPI8 - No. of Patents in the School (higher --> more innovative product)							
SET	1	0	1	1	0	1	0.7
SERD	3	1	9	3	6	3	4.2
SOM	0	0	0	0	0	0	0.0
AIT	4	1	10	4	6	4	4.8
KPI9 - Financial Surplus (mB) / Faculty (higher --> more financial productivity by average faculty)							
SET	(1.16)	(0.38)	0.95	0.59	1.23	0.83	0.34
SERD	(1.00)	(0.65)	(0.17)	(0.01)	(0.20)	(0.20)	(0.37)
SOM	(0.49)	(0.35)	0.42	0.85	(0.88)	(3.35)	(0.64)
AIT	(1.00)	(0.50)	0.40	0.36	0.45	0.04	(0.04)

Source: VPAA 22/12/2017

Faculty Performance

FACULTY PORTFOLIO BY AGE GROUPS

#	Faculty Name	Age	Current Rank at AIT	DPMT	Overall Publication (SCOPUS)	Refereed Publication (SCOPUS)	Citations (SCOPUS)	H-Index (SCOPUS)	Value of Projects	Financial Productivity
(1) RETIRED FACULTY UNDER SPECIAL CONTRACT (NON-REGULAR/PART-TIME/ADJUNCT ENGAGEMENT)										
1	Athapol Noomhorm	64.12	Professor	SERD	94	80	1532	21	0.14	(1.13)
2	Nguyen Oanh		Professor	SERD	93	72	2093	22	8.99	1.45
3	Gopal Bahadur Thapa		Professor	SERD	63	58	968	16	-	(0.42)
4	Amararatne Yakupitiyage		Associate Professor	SERD	42	39	553	15	-	(0.17)
5	Soparth Pongquan		Associate Professor	SERD	4	4	9	1	-	(0.36)
6	Erik L.J. Bohez		Associate Professor	SET	88	65	1250	19	14.10	0.51
7	Voratas Kachitvichyanukul		Professor	SET	62	37	764	12	3.00	0.98
8	Noppadol Phien-Wej		Associate Professor	SET	26	17	283	8	-	(0.27)
9	Sumanta Siengthai		Professor	SOM	41	25	199	8	-	1.28
10	M. Nazrul Islam		Professor	SOM	3	1	18	2	19.04	2.98
10	Age Average →	64.12	Age-group average →		52	40	767	12	4.53	0.49
(2) FULL-TIME FACULTY AT [55-61] AGE BRACKET (INCLUDE THOSE UNDER 61 YEARS OLD LAST CONTRACT)										
1	Chettivappan Visvanathan	58.77	Professor	SERD	141	112	2376	29	12.28	1.70
2	Sivanappan Kumar		Professor	SERD	96	80	2060	26	4.75	0.48
3	Ajit P. Annachhatre		Professor	SERD	60	48	1235	16	0.10	0.25
4	Jayant K. Routray		Professor	SERD	56	47	410	11	2.19	0.17
5	Rajendra Prasad Shrestha		Professor	SERD	62	47	328	9	1.95	1.04
6	Oleg Shipin		Associate Professor	SERD	33	31	463	10	0.33	1.20
7	Mukand Singh Babel		Professor	SET	113	93	1282	20	5.41	2.48
8	Pennung Wannitchai		Professor	SET	56	42	1114	14	3.37	0.36
9	Giao Pham		Associate Professor	SET	31	26	346	8	2.95	(0.10)
10	Phan Minh Dung		Professor	SET	48	24	3149	13	-	(1.40)
11	Sumanta Guha		Professor	SET	51	23	177	5	-	(0.76)
12	Vatcharaporn Esichaikul		Associate Professor	SET	51	18	266	8	-	(0.93)
13	Gregory Chiu		Professor of Practice*	SET	9	2	4	1	-	(0.83)
14	Barbara Igel		Professor	SOM	31	20	358	8	-	1.17
15	Vimolwan Yukongdi		Assistant Professor	SOM	14	6	68	6	-	0.19
15	Age Average →	58.77	Age-group average →		57	41	909	12	2.22	0.33
(3) FULL-TIME FACULTY AT [50-55] AGE BRACKET										
1	Weerakorn Ongsakul	52.60	Professor	SERD	166	71	1779	21	21.41	(1.08)
2	Mokbul Ahmad		Associate Professor	SERD	39	33	137	6	1.35	0.63
3	Anil Anal		Associate Professor	SERD	51	32	1053	11	1.24	2.11
4	Pakkeer Abdul Salam		Associate Professor	SERD	33	28	834	16	15.08	0.84
5	Vilas Nitivattananon		Associate Professor	SERD	32	27	318	8	11.16	1.74
6	Kyoko Kusakabe		Professor	SERD	34	24	110	6	22.19	0.50
7	Ram Bhujel		Ries Associate Professor	SERD	10	9	142	6	13.32	0.61
8	Philippe Doney		Associate Professor	SERD	7	7	9	2	-	3.98
9	Nitin Tripathi		Professor	SET	105	84	880	16	8.35	1.93
10	Luong Huynh		Associate Professor	SET	29	25	287	9	0.10	0.46
11	Chotchai Charoenngam		Associate Professor	SET	31	20	169	7	-	2.41
12	Than Lin		Assistant Professor	SET	9	9	35	4	0.05	2.00
13	Teerapat Sanguankotchakorn		Associate Professor	SET	42	4	111	6	-	(0.74)
13	Age Average →	52.60	Age-group average →		45	29	451	9	7.25	1.18
(4) FULL-TIME FACULTY AT AGE [45-50] BRACKET										
1	Thammarat Koottatep	47.98	Associate Professor	SERD	52	41	659	14	30.81	8.71
2	Shobhakar Dhakal		Associate Professor	SERD	42	18	814	12	4.96	0.87
3	K. Salin		Assistant Professor	SERD	14	11	130	6	2.80	(0.05)
4	John Kuwornu		Associate Professor	SERD	9	8	16	3	0.05	(0.00)
5	Matthew Dailey		Associate Professor	SET	89	31	927	16	16.53	0.23
6	Manukid Parnichkun		Professor	SET	66	31	564	12	5.36	0.39
7	Bonaventura Hadikusumo		Associate Professor	SET	31	24	359	8	60.30	5.78
8	Pisut Koonsap		Associate Professor	SET	40	20	130	6	0.14	(0.87)
9	Yuosre Badir		Associate Professor	SOM	30	23	147	7	-	3.30
10	Lawrence Abeln		Dean and Professor	SOM	Scopus data base did not show any result					19.19
10	Age Average →	47.98	Age-group average →		37	21	375	8	14.02	1.83
1	Loc Nguyen	42.09	Assistant Professor	SERD	23	22	239	9	0.05	(0.13)
2	Nophea Sasaki		Associate Professor	SERD	18	16	100	5	0.39	(0.29)
3	Indrajit Pal		Assistant Professor	SERD	2	2	0	0	0.20	(0.57)
4	Sangam Shrestha		Associate Professor	SET	65	48	1022	12	1.90	2.06
5	Kannawee Kanitpong		Associate Professor	SET	22	18	234	8	32.93	1.22
6	Mongkol Ekpanyapong		Assistant Professor	SET	62	14	220	7	14.95	1.17
7	Attaphongse Tapanugssanagorn		Assistant Professor	SET	44	11	258	9	-	0.69
8	Djoen Santoso		Assistant Professor	SET	12	9	45	5	0.14	1.05
9	Salvatore Virdis		Assistant Professor	SET	8	6	25	3	-	0
10	A.M.Harsha Abeykoon		Assistant Professor	SET	29	4	35	3	-	(0.27)
11	Vatcharapol Sukhotu		Assistant Professor	SOM	5	4	5	1	-	0.83
11	Age Average →	42.09	Age-group average →		26	14	198	6	4.60	0.52
(6) FULL-TIME FACULTY AT [35-40] AGE BRACKET										
1	Avishek Datta	39.21	Assistant Professor	SERD	61	56	234	9	1.87	0.45
2	Peeyush Soni		Associate Professor	SERD	43	34	207	8	2.98	1.18
3	Jai Singh		Assistant Professor	SERD	49	19	187	7	0.50	(0.22)
4	Joyee Chatterjee		Assistant Professor	SERD	10	10	107	5	0.24	(0.32)
5	Duc Nguyen		Assistant Professor	SET	30	28	593	15	-	(0.22)
6	Sarawat Ninsawat		Assistant Professor	SET	9	7	25	3	2.90	0.66
7	Sanyogita Andriyas		Lecturer	SET	5	5	4	2	0.34	0.72
8	Surachet Pravinvongvuth		Assistant Professor	SET	7	4	111	5	5.06	(0.31)
8	Age Average →	39.21	Age-group average →		27	20	184	7	1.74	0.24
(7) FULL-TIME FACULTY AT [30-35] AGE BRACKET										
1	Sohee Kim	34.60	Assistant Professor	SERD	2	2	2	0	0.09	0.15
2	Punchet Thammarak		Lecturer	SET	1	1	1	0	-	0.32
2	Age Average →	34.60	Age-group average →		2	2	2	0	0.04	0.23
69	Institute Age Average	51.19	Institute average →		41	28	501	9	5.47	0.75

UPDATED PUBLICATION, CITATION AND H-INDEX OF AIT FACULTY (19 OCTOBER 2017)

#	Faculty Name	Current Rank	H-Index		Cited Documents		No of Citations	
			SCOPUS	GOOGLE SCHOLAR	SCOPUS	GOOGLE SCHOLAR	SCOPUS	GOOGLE SCHOLAR
1	Prof Yamamoto Kazuo	Professor	34	NA	154	NA	3968	NA
2	Prof Chettiyappan Visvanathan	Professor	30	NA	145	NA	2485	NA
3	Prof Sivanappan Kumar	Professor	26	NA	98	NA	2151	NA
4	Prof Nguyen Oanh	Professor	22	NA	89	NA	2295	NA
5	Prof Athapol Noomhorm	Professor	21	28	94	176	1589	2935
6	Prof Mukand Singh Babel	Professor	21	NA	113	NA	1410	NA
7	Dr Weerakorn Ongsakul	Professor	21	NA	166	NA	1943	NA
8	Dr Erik L.J. Bohez	Associate Professor	19	23	89	124	1346	2132
9	Prof Gopal Bahadur Thapa	Professor	18	NA	65	NA	1087	NA
10	Prof Nitin Tripathi	Professor	17	21	105	175	959	1746
11	Dr Pakkeer Abdul Salam	Associate Professor	17	NA	33	43	879	NA
12	Prof Ajit P. Annachatre	Professor	16	NA	60	NA	1333	NA
13	Dr Matthew Dailey	Associate Professor	16	25	89	138	988	2263
14	Dr Amararatne Yakupitiyage	Associate Professor	15	NA	42	NA	580	NA
15	Prof Phan Minh Dung	Professor	14	24	50	88	3331	6644
16	Prof Penning Warnitchai	Professor	14	NA	57	NA	1178	NA
17	Dr Thammarat Kootatop	Associate Professor	14	NA	54	NA	704	NA
18	Prof Voratas Kachitvichyanukul	Professor	13	20	62	262	846	1762
19	Dr Shobhakar Dhakal	Associate Professor	13	21	42	105	867	2237
20	Dr Sangam Shrestha	Associate Professor	13	16	67	104	1080	1879
21	Dr Manukid Parnichkun	Professor	12	17	66	98	593	1053
22	Dr Avishek Datta	Assistant Professor	12	16	64	97	364	697
23	Prof Jayant K. Routray	Professor	11	18	56	123	447	1083
24	Dr Oleg Shipin	Associate Professor	11	14	34	71	492	834
25	Dr Anil Anil	Associate Professor	11	13	51	80	1126	2004
26	Dr Attaphongse Tapanussanagorn	Assistant Professor	11	14	45	69	289	564
27	Prof Rajendra Prasad Shrestha	Professor	10	NA	62	NA	358	NA
28	Dr Luong Huynh	Associate Professor	10	11	29	48	313	633
29	Dr Bonaventura H.W. Rodikusumo	Associate Professor	10	13	33	59	429	1010
30	Dr Pham Giao	Associate Professor	9	NA	31	NA	373	NA
31	Dr Vilas Nitivattananon	Associate Professor	9	11	32	67	338	666
32	Dr Chotchai Charoenngam	Associate Professor	9	14	31	60	232	623
33	Dr Peeyush Soni	Associate Professor	9	11	43	378	246	626
34	Dr Loc Nguyen	Assistant Professor	9	10	23	26	243	360
35	Dr Sununta Siengthai	Professor	8	NA	41	NA	219	NA
36	Prof Barbara Igel	Professor	8	NA	32	NA	374	NA
37	Dr Noppadol Phien-Wej	Associate Professor	8	NA	26	NA	286	NA
38	Dr Vatcharaporn Esichakul	Associate Professor	8	13	51	97	292	626
39	Dr Yuosre Badr	Associate Professor	8	12	31	44	178	495
40	Dr Pisut Koomsap	Associate Professor	8	9	41	67	188	337
41	Dr Kunawee Kanitpong	Associate Professor	8	NA	22	NA	246	NA
42	Dr Kyoko Kusakabe	Professor	7	15	34	124	130	742
43	Dr Mokbul Ahmad	Associate Professor	7	TBC	39	TBC	149	TBC
44	Dr Nophea Sasaki	Associate Professor	7	15	20	118	178	868
45	Dr K.R. Salin	Assistant Professor	7	NA	14	NA	139	NA
46	Dr Mongkol Ekpanyapong	Assistant Professor	7	11	62	81	236	502
47	Dr Jai Singh	Assistant Professor	7	9	49	70	206	381
48	Dr Ram Bhujel	Research Associate Professor	6	14	10	76	149	655
49	Dr Teerapat Sangunkotchakorn	Associate Professor	6	9	42	71	134	246
50	Dr Vimolwan Yukongdi	Assistant Professor	6	NA	14	NA	74	NA
51	Prof Sumanta Guha	Professor	5	NA	53	NA	188	NA
52	Dr Djoen Santoso	Assistant Professor	5	7	12	31	50	123
53	Dr A.M.Marsha Abeykoon	Assistant Professor	5	6	42	62	95	130
54	Dr Joyee Chatterjee	Assistant Professor	5	7	10	13	117	291
55	Dr Surachet Pravinvongvuth	Assistant Professor	5	7	7	17	121	193
56	Dr Than Lin	Assistant Professor	4	NA	10	NA	43	NA
57	Dr Salvatore Viridis	Assistant Professor	4	4	8	12	30	65
58	Dr Indrajit Pal	Assistant Professor	4	5	8	23	101	167
59	Dr John Kuwornu	Associate Professor	3	13	11	84	18	506
60	Dr Sarawat Nimsawat	Assistant Professor	3	5	9	41	28	81
61	Prof M. Nazrul Islam	Professor	2	NA	3	NA	20	NA
62	Dr Sanyogita Andriyas	Lecturer	2	NA	8		5	NA
63	Dr Philippe Doneys	Associate Professor	2	4	7	19	10	159
64	Dr Gregory Chiu	Professor of Practice	1	NA	9	NA	4	NA
65	Dr Soparth Pongguan	Associate Professor	1	NA	4	NA	9	NA
66	Dr Vatcharapol Sukhota	Assistant Professor	1	NA	5	NA	6	NA
67	Dr Sohee Kim	Assistant Professor	1	NA	2	12	1	NA
68	Dr Punchet Thammarak	Lecturer	0	1	1	3	0	1
69	Dr Duc Nguyen	Assistant Professor	TBC	NA	TBC	NA	TBC	NA

Institute World Ranking



by Subject 2018

AIT was world-ranked in 8 subjects of the 2017 QS World University Rankings by Subject.

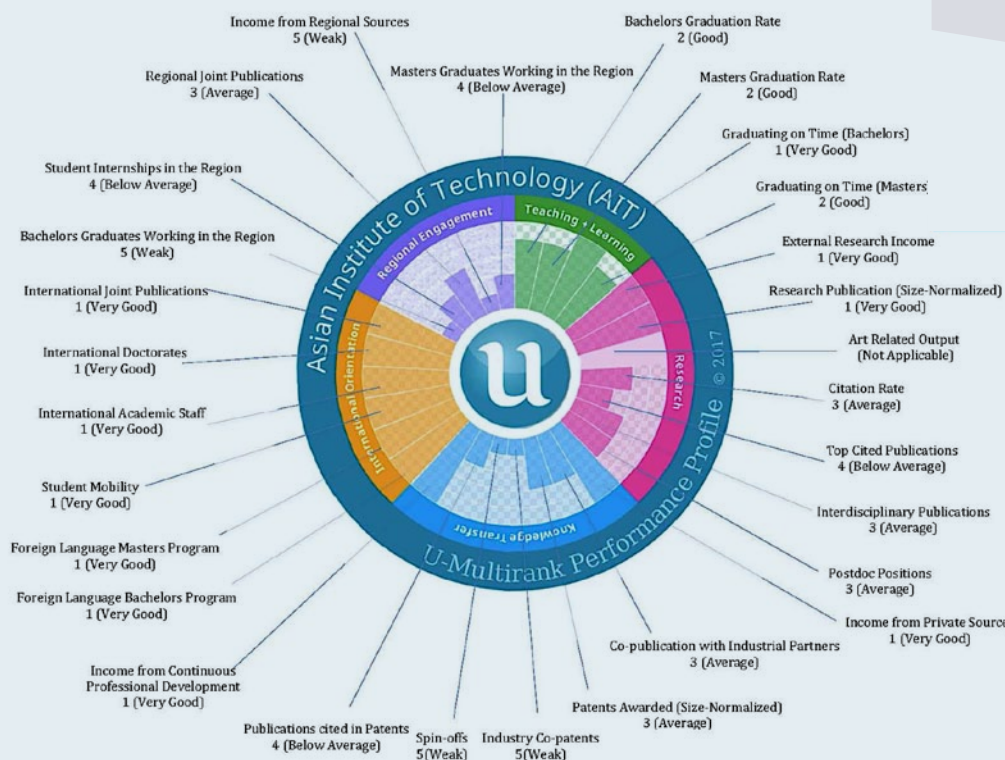
**2018 QS WORLD
UNIVERSITY
RANKINGS BY
SUBJECT: ASIAN
INSTITUTE OF
TECHNOLOGY**

No.	QS Subject	World Ranking				Asia	Thailand
		2015	2016	2017	2018	2018	2018
1	Architecture & Built Environment	NR	NR	101-150	101-150	18	1
2	Civil and Structural Engineering	151-200	151-200	151-200	101-150	30	1
3	Environmental Studies	151-200	201-250	151-200	151-200	28	2
4	Computer Science & Information Systems	301-400	351-400	451-500	351-400	86	2
5	Electrical & Electronic Engineering	NR	251-300	301-350	251-300	72	2
6	Mech. Aero. & Manufacturing Engng.	NR	NR	351-400	301-350	96	3
7	Business and Management Studies	NR	NR	251-300	201-250	47	3
8	Agriculture and Forestry	NR	NR	NR	201-250	42	4

As post-graduate institute, AIT is only eligible in QS Rankings by Subject.



2017 RATING BY EU SUPPORTED U-MULTIRANK



AIT RANKS JOINT NO. 1 IN THE WORLD



30.9.2017
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University Graduate students: high Foreign degree seeking students: high

International Orientation		Foreign language bachelor programme	Foreign language master programme	Student Mobility	International academic staff	International joint publications	International doctoral degrees
Asian Inst. Tech	TH	A	A	A	A	A	A
ESSEC Business School Cergy	FR	A	A	A	A	A	A
EDHEC Business School	FR	A	A	A	A	A	A
Grenoble Ecole de Management	FR	A	A	A	A	A	A
U Groningen	NL	A	A	A	A	A	A
U Luxembourg	LU	A	A	A	A	A	A
Maastricht U	NL	A	A	A	A	A	A
U St. Gallen	CH	A	A	A	A	A	A



2017 U-MULTIRANK

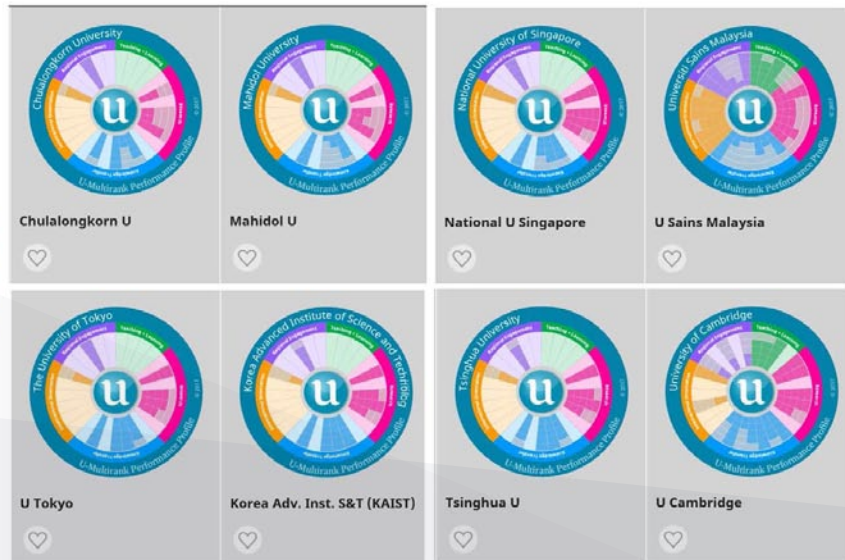
12 Excellent Areas of Asian Institute of Technology (AIT)

Dimension Components	Score
INTERNATIONAL ORIENTATION	
1 International academic staff	A (Excellent)
2 International joint publications	A (Excellent)
3 Student Mobility	A (Excellent)
4 Foreign language bachelor programs	A (Excellent)
5 Foreign language master programs	A (Excellent)
6 International doctoral degrees	A (Excellent)
TEACHING AND LEARNING	
7 Graduating on time	A (Excellent)
RESEARCH	
8 Research Publication (size normalized)	A (Excellent)
9 External research income	A (Excellent)
KNOWLEDGE TRANSFER	
10 Income from continuous professional development	A (Excellent)
11 Income from private sources	A (Excellent)
12 Graduate Companies *	A (Excellent)



* New parameter which is not displayed in the original Sunburst Diagram.

2017 RATING BY EU SUPPORTED U-MULTIRANK



Reference: U-Multirank Sunburst Diagrams 2017



2017 Institutional Ranking - Universities of Science and Technology

<https://www.umultirank.org/#/printTable?trackType=illustrative&lightMode=undefined&ranking=61&sortCol=overallPerformance&sortOrder=desc§ion=illustrativeRanking&valueLetterMode=showLetter&name=null>

INSTITUTIONAL																
13.10.2017 www.umultirank.org																
Rank	University of Science & Technology	Country	Teaching & Learning		Research				Knowledge Transfer				International Orientation			
			Bachelor graduation rate	Masters graduation rate	Citation rate	Research publication s (size-normalise d)	Art related output	Top cited publication s	Co-publication s industrial partners	Patents awarded (size-normalise d)	Spin-offs	Publicatio ns cited in patents	Student mobility	Internation al academic staff	Internation al joint publication s	Internation al doctorate degrees
43	Tech U Graz	AT	C	B	C	A	B	B	A	B	A	A	B	A	A	B
44	UoT Agder	NO	C	B	C	A	B	B	A	B	A	A	B	A	A	A
45	UoT Agder	NO	C	B	C	A	B	B	A	B	A	A	B	A	A	A
46	Nagasaki U Tech	JP	A	B	D	A	-	D	A	A	B	A	B	C	D	A
47	Japan Adv. Inst. Sci & Tech	JP	-	B	C	A	D	C	A	A	E	A	C	A	D	A
48	Advanced Inst. Sci & Tech	JP	-	B	C	A	-	B	A	A	B	A	C	A	D	A
49	UoT Agder	NO	C	B	C	A	B	B	A	B	A	A	B	A	A	A
50	U Science & Tech China	CN	-	-	A	A	-	A	C	B	-	C	-	-	C	-
51	Gwangju Inst. Sci & Tech	KR	-	-	C	A	-	C	B	A	-	A	-	-	C	-
52	Nagasaki U Tech	JP	A	B	D	A	-	D	A	A	B	A	B	C	D	A
53	UoT Agder	NO	C	B	C	A	B	B	A	B	A	A	B	A	A	A
54	Swinburne U Tech	AU	-	-	A	D	-	A	C	D	-	D	-	-	A	-
55	Lappeenranta U Tech	FI	-	-	C	A	E	C	B	E	A	D	A	A	A	B
56	UoT Agder	NO	C	B	C	A	B	B	A	B	A	A	B	A	A	B
57	UoT Agder	NO	C	B	C	A	B	B	A	B	A	A	B	A	A	B
58	U Stuttgart	DE	D	C	A	B	-	A	B	A	A	A	B	A	B	C
59	Kyushu U	JP	A	B	C	A	-	D	A	A	D	A	C	B	D	B
60	Asian Inst. Tech	TH	B	B	C	A	-	D	C	C	E	D	A	A	A	A
61	Ben Gurion U	IL	A	B	C	A	-	C	C	A	D	A	D	A	B	E
62	Ozyegin U	TR	C	C	A	C	C	A	B	E	A	E	C	A	A	-
63	Virginia Tech	US	-	-	B	A	-	B	B	A	-	B	-	A	C	-
64	INPT Toulouse	FR	-	-	B	A	C	A	B	A	E	D	A	-	B	B
65	U Tech Troyes	FR	A	B	B	B	B	A	B	B	D	B	A	A	B	A
66	Norwegian U Science & Tech	NO	D	B	B	A	A	B	B	C	C	B	A	A	B	A
67	U Aveiro	PT	B	B	B	A	A	B	C	D	A	D	B	A	A	B

AIT is ranked for the first time by EU's U-Multirank as World's No. 60 among world's universities of science and Technology in 2017.

47 KEY FIGURES OF AIT

PARAMETERS		2010	2011	2012	2013	2014	2015	2016	2017
(1) FACULTY AND STAFF (Ref. Office of Human Resource Service)									
1	Full-time Faculty	81	83	73	62	68	74	84	78
2	Seconded Faculty	21	13	13	12	14	24	31	30
3	Adjunct/Visiting Faculty	79	61	57	92	223	176	129	130
4	Total Faculty	181	164	156	165	305	274	244	238
5	Supporting Staff	575	564	548	527	546	582	568	581
(2) GRADUATE (PG) STUDENTS & ALUMNI (Ref. Office of Student Affairs / Office of Advancement)									
6	Tuition Rate for 2-Year Master Program, mBaht	0.752	0.752	0.752	0.752	0.752	0.752	0.752	0.848
7	Tuition Rate for 3-Year Doctoral Program, mBaht	1.296	1.296	1.296	1.296	1.296	1.296	1.296	1.484
8	Countries Composition of PG Students	62	56	64	67	61	49	48	52
9	PG Student Population	2,247	2,181	2,130	1,796	1,778	1,710	1,725	1,771
10	Total Thai PG Students	897	883	787	569	533	509	536	533
11	Countries Composition of total PG Alumni	85	87	88	94	97	100	101	101
12	Total PG Alumni Population	17,526	18,242	19,023	19,795	20,378	20,941	21,526	22,928
13	Total PG Alumni from Thailand	4,830	5,066	5,326	5,556	5,698	5,811	5,924	6,086
14	PG Students Receiving Majesty & GMS Scholarships (2 Intakes)	30	41	0	61	39	60	60	60
15	PG Students Benefited from RTG Fellowships (2 Intakes)	176	144	0	44	81	121	116	95
16	PG Students Benefited from AIT Fellowships (2 Intakes)	239	302	213	265	197	326	331	419
17	PG Students Supported by Other Gov/Agencies (2 Intakes)	66	57	86	79	92	46	51	41
18	Self-supported / External Supported PG Students (2 Intakes)	231	259	250	162	319	340	384	265
19	No. of Master Graduates this year	727	637	669	695	505	514	516	526
20	No. of Doctoral Graduates this year	76	95	96	78	78	49	69	69
(3) UNDERGRADUATE (UG) STUDENTS IN THE PIPELINE (Ref. Office of Student Affairs)									
21	Countries Composition of UG Students	10	11	12	12	14	9	8	8
22	Total UG Student Population (including at partner universities)	175	330	481	619	631	550	405	327
(4) RESEARCH (Ref. Sponsored Programs Unit) - [* These figures of the last year in the sheet are normally incomplete and still need to be updated progressively.]									
23	International Journal published in the Year *	423	269	249	268	243	244	218	NA
24	Conference Papers published in the Year *	174	118	171	104	101	138	114	NA
25	No of Sponsored Projects Attracted in the Year	188	193	213	191	180	151	152	163
26	Value from Sponsored Projects Attracted in the Year	404	591	517	487	306	273	311	344
(5) FINANCE, mBaht (Ref. Office of Finance)									
27	Total Asset at AIT Campus at Year End	2,006	1,763	1,970	1,815	1,855	2,010	2,127	2,096
28	Operational Revenue (F10+F21+F24)	677	648	523	536	573	599	688	724
29	(1) Tuition & Fees	439	434	332	331	362	377	404	432
30	(1.1) Tuition Revenue from RTG Fund	142	130	49	24	55	84	114	135
31	(1.2) Tuition Revenue from Other Govs and Agencies	102	88	83	89	93	61	40	49
32	(1.3) Tuition Revenue From Private/External Sources	196	216	199	218	214	232	250	248
33	(2) Revenue from Overheads of all Outreach Programs	154	144	151	145	150	157	177	189
34	(3) Revenue from Assets	84	70	40	60	61	66	107	103
35	Operational Expenditure (F10+F21+F24)	670	621	663	584	536	547	615	648
36	(1) Salaries at Schools and Income-Generating Units	277	292	286	249	229	239	281	287
37	(2) Payroll Recovery from Outreach (Negative Expenses)	-41	-51	-55	-60	-57	-49	-57	-60
38	(3) Direct Expenses of Schools and Outreach Units	118	99	108	109	102	104	130	151
39	(4) Academic Services (Library, Research, Campus IT, etc)	49	46	50	43	39	43	57	59
40	(5) Utilities and Campus Maintenance	157	140	163	160	149	128	131	132
41	(5.1) Shared by Assets	84	70	40	60	61	66	66	66
42	(5.2) Shared by RCs (Schools & Outreach)	73	70	123	101	88	62	66	66
43	(6) Administration Overheads (Payroll & Expenditures)	112	95	111	82	75	81	72	79
44	Operational Surplus (Deficit)	7	27	-140	-48	37	52	73	76
45	Non-operational surplus (deficit)	10	-56	-12	37	26	25	20	23
46	Annual Surplus (Deficit)	17	-29	-152	-12	63	77	92	100
47	Closed Project Residuals, less Investment, less RC Capital Funds **	-55	-56	-49	3	4	-5	-46	-33
48	Annual Increment to General Reserve	-38	-85	-201	-9	67	72	46	67
49	AIT General Reserve Fund at Year End	321	236	35	26	92	164	210	276

Financial Statement and Auditor's Report

To the Board of Trustees of Asian Institute of Technology

Opinion

I have audited the financial statements of Asian Institute of Technology ("Institute"), which comprise the statement of financial position as at 31 December 2017, the statement of revenues and expenses, changes in fund balances and cash flows for the year then ended, and notes, comprising a summary of significant accounting policies and other explanatory information.

In my opinion, the accompanying financial statements present fairly, in all material respects, the financial position of the Institute as at 31 December 2017 and its financial performance and cash flows for the year then ended in accordance with the Thai Financial Reporting Standard for Non-Publicly Accountable Entities (TFRS for NPAEs).

Basis for Opinion

I conducted my audit in accordance with Thai Standards on Auditing (TSAs). My responsibilities under those standards are further described in the Auditor's Responsibilities for the Audit of the Financial Statements section of my report. I am independent of the Institute in accordance with Code of Ethics for Professional Accountants issued by the Federation of Accounting Professions that is relevant to my audit of the financial statements, and I have fulfilled my other ethical responsibilities in accordance with these requirements. I believe that the audit evidence I have obtained is sufficient and appropriate to provide a basis for my opinion.

Responsibilities of Management for the Financial Statements

Management is responsible for the preparation and fair presentation of the financial statements in accordance with TFRS for NPAEs, and for such internal control as management determines is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, management is responsible for assessing the Institute's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless management either intends to liquidate the Institute or to cease operations, or has no realistic alternative but to do so.

Auditor's Responsibilities for the Audit of the Financial Statements

My objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes my opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with TSAs will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these financial statements.

As part of an audit in accordance with TSAs, I exercise professional judgment and maintain professional skepticism throughout the audit. I also:

- ♥ Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, design and

perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for my opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.

- ♥ Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Institute's internal control.
- ♥ Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by management.
- ♥ Conclude on the appropriateness of management's use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the Institute's ability to continue as a going concern. If I conclude that a material uncertainty exists, I am required to draw attention in my auditor's report to the related disclosures in the financial statements or, if such disclosures are inadequate, to modify my opinion. My conclusions are based on the audit evidence obtained up to the date of my auditor's report. However, future events or conditions may cause the Institute to cease to continue as a going concern.
- ♥ Evaluate the overall presentation, structure and content of the financial statements, including the disclosures, and whether the financial statements represent the underlying transactions and events in a manner that achieves fair presentation.

I communicate with management regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that I identify during my audit.

(Sasithorn Pongadisak)

Certified Public Accountant

Registration No. 8802

KPMG Phoomchai Audit Ltd.

Bangkok

31 May 2018

Note	Contents
1	General information
2	Basis of preparation of the financial statements
3	Significant accounting policies
4	Cash and cash equivalents
5	Current investments
6	Accounts receivable
7	Property and equipment
8	Accounts payable and accrued expenses
9	Employee benefit obligations
10	Assets held on behalf of, and amounts due to, donors
11	Employee benefit expenses
12	AIT Center in Vietnam (AITVN)
13	Commitments
14	Contingent liabilities

These notes form an integral part of the financial statements.

The financial statements issued for Thai statutory and regulatory reporting purposes are prepared in the Thai language. These English language financial statements have been prepared from the Thai language statutory financial statements, and were approved and authorised for issue by the President of the Institute on 31 May 2018.

1. General information

The Asian Institute of Technology, the “Institute”, is a regional post-graduate institution. The Institute operates on a not-for-profit basis. The Institute is located at the following addresses

Thailand: Km. 42 Paholyothin Highway, Klong Luang, Pathumthani, Thailand.

Branch: Building B3, University of Transport and Communications, Lang Thuong Ward, Dong Da Dist., Hanoi, Vietnam

The principal activities of the Institute are providing programs in engineering, science, advanced technologies and related management and administration.

2. Basis of preparation of the financial statements

The financial statements are prepared in accordance with Thai

Financial Reporting Standard for Non-publicly Accountable Entities (TFRS for NPAEs); guidelines promulgated by the Federation of Accounting Professions (FAP).

In addition, the Institute has complied with Thai Financial Reporting Standard for Publicly Accountable Entities as follows:

TFRS	Topic
TAS 7 (revised 2016)	Statement of Cash Flows

The FAP has issued a number of revised TFRS which are effective for annual financial periods beginning on or after 1 January 2017, and have not been adopted in the preparation of these financial statements. The revised TFRS that are relevant to the Institute’s operations is as follows:

TFRS	Topic
TAS 7 (revised 2017)	Statement of Cash Flows

Management has made a preliminary assessment of the potential initial impact on the Institute’s financial statements of the revised TFRS and expects that there will be no material impact on the financial statements in the period of initial application.

The financial statements are prepared and presented in Thai Baht, rounded in the notes to the financial statements to the nearest thousand unless otherwise stated. They are prepared on the historical cost basis except as stated in the accounting policies.

The preparation of financial statements in conformity with TFRS for NPAEs requires management to make judgements, estimates and assumptions that affect the application of policies and reported amounts of assets, liabilities, income and expenses. Actual results may differ from estimates.

Estimates and underlying assumptions are reviewed on an ongoing basis. Revisions to accounting estimates are recognised in the year in which estimates are revised and in any future periods affected.

Information about significant areas of estimation uncertainty and critical judgements in applying accounting policies that have the most significant effect on the amount recognised in the financial statements is included in the following notes:

Note 9 Employee benefit obligations
Note 14 Contingent liabilities

Fund accounting

To ensure observance of limitations and restrictions placed on the use of the resources available to the Institute, the books of account of the Institute are maintained in accordance with the

principles of “fund accounting” which is appropriate for a non-profit organisation. This is the procedure by which resources for various purposes are classified for accounting and reporting purposes into funds, which are in accordance with activities or objects specified. Within each fund group, fund balances which are restricted by outside sources are so indicated and are distinguished from unrestricted fund allocated to specific purposes by action of the governing board. The governing board retains full control of unrestricted funds to use in achieving institutional objectives.

The purposes and objects of the funds are as follows:

Unrestricted Current Fund (Fund 10)

This fund is the operating account of most of the academic and administrative units of the Institute. It is available for general operating purposes without restrictions, such as might be imposed by a grant agency or donor.

Unrestricted Fund-General (Fund 21)

This fund is the operating account of support units that offer academic-related services and certain administrative functions.

Restricted Endowment Fund (Fund 22)

The Endowment Fund is used where donors have stipulated, as a condition of their gift, either the principal is to be maintained inviolate and in perpetuity or used along with the income to meet the objectives of the endowment.

Restricted Program Fund (Fund 30 and Fund 31)

The program fund includes academic and non-academic programs. Non-academic programs is subject to restrictions by donors or other agencies limiting its use for funding specific research projects, conference, short courses, workshops or similar projects.

Unrestricted Fund-Integrated facility management (Fund 24)

This fund includes the operating account of the Institute for asset maintenance and for the provision of the Institute's non-core operations, mainly on integrated facilities management service.

Restricted Fund-General Reserve (Fund 23)

The annual surplus of the unrestricted funds and the excess of the activities under Sponsored Program fund that were completed during the year, are transferred to the General Reserve each year. General Reserve funds are held for future use.

Capital Fund (Fund 41)

This fund holds the Institute's property and equipment, including library books.

Agency Fund (accounted for as Fund 50 and Fund 60)

These funds are held on behalf of donors and other agencies and are disbursed in accordance with their instructions. The Institute has no title to these funds and the associated revenues and expenses have been excluded from the statement of revenues and expenses. The assets held on behalf of these others have been disclosed in the statement of financial position together with the associated liability for the same amount to these other parties.

3. Significant accounting policies

The accounting policies set out below have been applied consistently to all periods presented in these financial statements.

(a) Basis of preparation

The financial statements of the Institute comprise the funds of the Institute and those of its branch to which it holds title.

Branch

The Branch is an autonomous or semi-autonomous operating entity within an organisation which does not have a separate legal identity. The Branch has separately identifiable assets, liabilities, cash flows, revenues and expenses over which it has accountability.

(b) Foreign currencies

Foreign currency transactions

Transactions in foreign currencies are translated into Thai Baht at the foreign exchange rates ruling at the dates of the transactions.

Monetary assets and liabilities denominated in foreign currencies at the reporting date are translated to Thai Baht at the foreign exchange rates ruling by the Bank of Thailand at that date. Foreign exchange differences arising on translation are recognised in the statement of revenues and expenses.

Non-monetary assets and liabilities measured at cost in foreign currencies are translated to Thai Baht using the foreign exchange rates ruling at the dates of the transactions.

Foreign entity

The assets and liabilities of foreign entity are translated to Thai Baht at the foreign exchange rates ruling at the reporting date.

The revenues and expenses of foreign entities are translated to Thai Baht at rates approximating the foreign exchange rates ruling at the dates of the transactions.

Foreign exchange differences arising on translation are recognised in the statement of revenues and expenses.

(c) Cash and cash equivalents

Cash and cash equivalents comprise cash balances, call deposits and highly liquid short-term investments.

(d) Accounts receivables

Accounts receivable are stated at their invoice value less allowance for doubtful accounts.

The allowance for doubtful accounts is provided for inactive students. Bad debts are written off when incurred.

Bad debts recovered are recognised in other income in the statement of revenues and expenses.

(e) Property and equipment

Owned assets

Property and equipment are stated at cost less accumulated depreciation and losses on decline in value.

Cost includes expenditure that is directly attributable to the acquisition of the asset. The cost of self-constructed assets includes the cost of materials and direct labour, any other costs directly attributable to bringing the assets to a working condition for their intended use, the costs of dismantling and removing the items and restoring the site on which they are located and capitalised borrowing costs. Purchased software that is integral to the functionality of the related equipment is capitalised as part of that equipment.

Donated assets are stated at fair value at the time of donation, deemed cost. Subsequently they are stated at the deemed cost less accumulated depreciation.

When parts of an item of property and equipment have different useful lives, they are accounted for as separate items (major components) of property and equipment.

Gains and losses on disposal of an item of property and equipment are determined by comparing the proceeds from disposal with the carrying amount of equipment, and are recognised net within other income in the statements of revenues and expenses.

Subsequent costs

The cost of replacing a part of an item of property and equipment is recognised in the carrying amount of the item if it is probable that the future economic benefits embodied within the part will flow to the Institute, and its cost can be measured reliably. The carrying amount of the replaced part is derecognised. The costs of the day-to-day servicing of property and equipment are recognised in the statements of revenues and expenses as incurred.

Depreciation

Depreciation is calculated based on the depreciable amount, which is the cost of an asset, or other amount substituted for cost, less its residual value.

Depreciation is charged to the statement of revenues and expenses on a straight-line basis over the estimated useful lives of each component of an item of property and equipment. The estimated useful lives are as follows:

Campus development	10 years
Building improvement	10 years
Buildings	40 years
Furniture and equipment	5,10 years
Transportation equipment	8 years
Library assets	6 years

No depreciation is provided on assets under construction.

(f) Losses on decline in value

The carrying amounts of the Institute's assets are reviewed at each reporting date to determine whether there is any indication of a permanent decline in value. If any such indication exists, the assets' recoverable amounts are estimated. A loss on decline in value is recognised if the carrying amount exceeds its recoverable amount. A loss on decline in value is recognised in the statement of revenues and expenses.

(g) Payables

Payables are stated at cost.

(h) Provisions

A provision is recognised if, as a result of a past event, the Institute has a present legal or constructive obligation that can be estimated reliably, and it is probable that an outflow of economic benefits will be required to settle the obligation. Provisions are determined by the best estimate method.

Employee benefits

Obligations for retirement benefits are recognised using the best estimate method at the reporting date.

Defined contribution plans

Obligations for contributions to the Social Securities Fund, Provident Fund and Insured Saving Fund are recognised as expenses in the statement of revenues and expenses as incurred.

(i) Revenue

Revenue received for the provision of goods and services are recognised in the period in which the goods are provided or the services rendered.

Tuition income and other fees

Tuition income and other fees are recognised on an accrual basis.

Research Grant and Contract service income

Research grant and contract service income received from Donors/Sponsors under Sponsored Program Fund (Fund 30) is recognised when service are rendered and projects are completed.

Support operations income

Support operations income are recognised as services are provided.

Training income

Training income are recognised as services are provided.

Donations

Due to the absence of any obligation on the donor to make the donation and the uncertain nature of the timing of receipt, donations have to be recognised on a cash basis.

Contribution in kind (Faculty secondments income)

These represent services donated to the Institute in the form of a secondment of faculty or staff and where the value is estimated based on the approved Institute professional salary scale. The amounts are recognised as revenues and expenses in the unrestricted general fund.

Interest income and other income

Interest income and other income are recognised in the statement of revenues and expenses as it accrues.

(j) Expenses

Lease payments

Payments made under operating leases are recognised in the statement of revenues and expenses on a straight-line basis over the term of the lease. Lease incentives received are recognised in the statement of revenues and expenses as an integral part of the total lease expense, over the term of lease.

Contingent lease payments are accounted for by revising the minimum lease payments over the remaining term of the lease when the lease adjustment is confirmed.

(k) Income tax

No income tax provision is made in the financial statements as the Institute is exempt from payment of income tax in accordance with the notification issued in the Royal Gazette dated 25 October, 2510 B.E. (1967).

Except for services rendered by the Conference Center, the Institute has been exempted from Value Added Tax (VAT), un-

der Section 4(4) of the Royal Decree issued under the Revenue Code governing exemption from Value Added Tax (No. 239), B.E. 2534 which was additionally amended under the Royal Decree (No. 254) B.E. 2535.

4. Cash and cash equivalents

	2017	2016
	<i>(in thousand Baht)</i>	
Bank accounts	321,611	270,159
Fixed deposits with maturity three months or less	2,988	50,723
Total	324,599	320,882

5. Current investments

	2017	2016
	<i>(in thousand Baht)</i>	
Fixed deposits with more than three months maturity	637,153	671,249
Less Deposits pledged as collateral	(15,100)	(15,100)
Net	622,053	656,149

At 31 December 2017, fixed deposits of Baht 15.1 million (2016: Baht 15.1 million) were pledged as collateral for bank overdraft facility and outstanding letters of guarantee issued by the same bank (see Note 13).

6. Accounts receivable

	2017	2016
	<i>(in thousand Baht)</i>	
Tuition and other fees	28,027	81,788
Others	44,506	64,831
	72,533	146,619
Less allowance for doubtful accounts	(15,317)	(12,159)
Net	57,216	134,460
Bad and doubtful debts expenses for the year	2,986	11,339

7. Property and equipment

	Campus development	Building and building improvement	Furniture and equipment	Transportation equipment	Library assets	Assets under construction	Total
<i>(in thousand Baht)</i>							
COST							
At 1 January 2016	340,562	994,921	435,781	14,484	284	38,497	1,824,529
Additions	9,220	101	25,053	4,178	6,378	41,521	86,451
Transfers	34,544	(6,183)	773	1,813	-	(30,947)	-
Foreign currency translation	-	(34)	(64)	(8)	-	-	(106)
At 31 December 2016 and 1 January 2017	384,326	988,805	461,543	20,467	6,662	49,071	1,910,874
Additions	23,889	42	45,254	1,702	1,087	41,562	113,536
Transfers	46,057	-	4,874	-	-	(50,931)	-
Foreign currency translation	-	(209)	(816)	(257)	-	-	(1,282)
At 31 December 2017	454,272	988,638	510,855	21,912	7,749	39,702	2,023,128
DEPRECIATION							
At 1 January 2016	109,413	669,376	351,427	9,930	249	-	1,140,395
Depreciation charge for the year	31,596	23,599	31,188	1,341	686	-	88,410
Foreign currency translation	96	(2,280)	1,445	739	-	-	-
At 31 December 2016 and 1 January 2017	-	(29)	(37)	(11)	-	-	(77)
Depreciation charge for the year	141,105	690,666	384,023	11,999	935	-	1,228,728
Transfer	35,706	23,570	30,926	1,777	1,238	-	93,217
Foreign currency translation	-	(194)	(714)	(247)	-	-	(1,155)
At 31 December 2017	176,811	714,042	414,235	13,529	2,173	-	1,320,790
NET BOOK VALUE							
At 31 December 2016	243,221	298,139	77,520	8,468	5,727	49,071	682,146
At 31 December 2017	277,461	274,596	96,620	8,383	5,576	39,702	702,338

The gross amount of fully depreciated property and equipment that was still in use as at 31 December 2017 amounted to Baht 631 million (2016: 577 million).

8. Accounts payable and accrued expenses

	2017	2016
	<i>(in thousand Baht)</i>	
Advance from students	64,738	110,944
Accrued staff expenses	46,030	37,232
Accounts payable from operation	38,670	36,241
Accrued operating expenses	9,365	13,976
Provision for insured saving fund tax	8,340	9,365
Withholding tax payable	5,773	4,729
Others	17,680	16,962
Total	190,596	229,449

9. Employee benefit obligations

	2017	2016
	<i>(in thousand Baht)</i>	
At 1 January	18,407	18,575
Provisions made	913	952
Provisions used	(1,981)	(1,120)
At 31 December	17,339	18,407

10. Assets held on behalf of, and amounts due to, donors

The agency fund represents amounts held on behalf of donors and other agencies and are disbursed in accordance with their instructions. The Institute has no title to these funds or the associated revenues and expenses. The fund balances as at 31 December 2017 and 2016 and revenues and expenses for the years then ended were as follows:

	2017	2016
	<i>(in thousand Baht)</i>	
Funds received from donors	461,325	381,471
<i>Application of funds</i>		
• Salaries and other benefits	4,572	2,882
• Scholarships	283,219	342,772
• Contracted services	31,403	34,466
• Communication, travel and utility expenses	1,472	1,983
Total funds applied	320,666	382,103
Income under expenses for the year	140,659	(632)
<i>Assets held on behalf of donors</i>		
Cash and deposits at financial institutions	(85,234)	(33,269)
Current investments	424,106	361,146
Accounts receivable and other current assets	29,275	33,751
Total assets held on behalf of donors	368,147	361,628
<i>Balance at 1 January:</i>		
• Amounts due to donors	126,933	143,982
• Amounts due to donors - AITVN	439	(153)
Income under expenses for the year	140,659	(632)
Transfers to other funds	(3,894)	(15,775)
Foreign currency translation	(11)	(50)
Balance at 31 December	264,126	127,372
Liabilities	104,021	234,256
Transfer from asset held on behalf of, and amounts due to, UNEP RRC.AP	104,021	-
	368,147	234,256
Total amounts due to donors	361,628	375,940

11. Employee benefit expenses

	2017	2016
	<i>(in thousand Baht)</i>	
Wages and salaries	419,184	380,861
Contribution to provident fund and insured saving fund	20,885	17,910
Social security costs	5,423	5,352
Personal income tax of employees	392	555
Other costs	6,072	5,547
Total	451,956	410,225

Provident Fund

The Institute contributes to the fund at rates of 5% to 7% of their basic salary, and the employees contribute to the fund at rates 3% to 15% of their basic salary. The fund is managed by TISCO Assets Management Co., Ltd.

12. AIT Center in Vietnam (AITVN)

The Institute has a branch operation in Hanoi, Vietnam of which the purpose of its operation is to:

- ♥ Educate and train students, technocrats, business managers and other professionals; and
- ♥ Organise research outreach and development activities as well as the transfer of technologies as required by the economic development of the country.

The results of the operations which have been included as part of the results of the Unrestricted Fund - General (Fund 21), Restricted Fund - Program Fund (Fund 30), and Capital Fund (Fund 41) were summarised below:

	2017	2016
	<i>(in thousand Baht)</i>	
Income	56,809	68,856
Expenses	(72,353)	(90,657)
Income under expenses	(15,544)	(21,801)

Financial statements for the years ended 31 December 2017 and 2016 have been prepared and approved by management of the branch.

Significant accounting transactions between the Institute and its branch were eliminated from these financial statements.

13. Commitments

Land lease

The Institute successfully renewed the lease with the Thammasat University on 10 June 2005. The new lease also contains a Memorandum of Understanding between the Institute and Thammasat University, concerning academic co-operation, as an integral part of the new lease agreement to lease land for 30 years from 19 January 2001 to 18 January 2031 in the amount of Baht 600,000; on expiry of the lease agreement it will give the Institute the right to continue to lease the land. However, the consideration for this discount is that should the lease not be renewed and the land reverts to Thammasat University (University), so all buildings and infrastructure on the Institute's site will become the property of the University.

Furthermore, the lease is contingent on a Memorandum of Understanding (MOU) between the University and the Institute. The MOU provides that the Institute will make available and fund a total of sixty scholarships over the thirty-year life of the land lease agreement. Scholarships made in accordance with the MOU will cover tuition fees for qualified lecturers from the University, selected by the University, to pursue a Doctoral degree at the Institute. At 31 December 2017, the scholarship commitment amounted to totaling Baht 9 million (2016: Baht 76.5 million).

Service Agreement

On 20 June 2014, the Institute entered into agreement with SN Service Solutions Co., Ltd. whereby such company will provide technical maintenance included preventive and collective maintenance of academic building, residence and field zone. Under terms of the agreements, the Institute is committed to pay management fee to SN, at the rate as indicated in the agreement. The term of the management agreement is for 5 years, counting from the effective date and will end on 30 June 2019. The agreements can be extended by notifying in writing at least 90 days prior to the end of the initial term as specified in the said agreement.

On 20 June 2014, the Institute entered into agreement with Professional Maid Co., Ltd. whereby such company will provide cleaning service. Under terms of the agreements, the Institute is committed to pay management fee to such company, at the rate as indicated in the agreement. The term of the management agreement is for 2 years, counting from the effective date and will end on 30 June 2016. The agreements can be extended by notifying in writing at least 90 days prior to the end of the initial term as specified in the said agreement. On 1 July 2016, the Institute and Professional Maid Co., Ltd. had agreed to revise the management fee and term of the agreement as indicated in the addendum. The revised term of the management agreement is for 3 years, counting from the effective date of the addendum and will end on 30 June 2019.

On 20 June 2014, the Institute entered into agreement with Green Tree Arborist Co., Ltd. whereby such company will provide landscape management service. Under terms of the agreements, the Institute is committed to pay management fee to such company, at the rate as indicated in the agreement. The term of the management agreement is for 2 years, counting from the effective date and will end on 30 June 2016. The agreements can be extended by notifying in writing at least 90 days prior to the end of the initial term as specified in the said agreement. On 1 July 2016, the Institute and Green Tree Arborist had agreed to revise the management fee and term of the agreement as indicated in the addendum. The revised term of the management agreement is for 3 years, counting from the effective date of the addendum and will end on 30 June 2019.

On 20 June 2014, the Institute entered into agreement with VP Service Management Co., Ltd. whereby such company will provide management of hotel service and food & beverage of AITCC. Under terms of the agreements, the Institute is committed to pay management fee to such company, at the rate as indicated in the agreement. The term of the management agreement is for 3 years, counting from the effective date and will end on 30 June 2017. The agreements can be extended by notifying in writing at least 90 days prior to the end of the initial term as specified in the said agreement.

On 1 November 2017, the Institute entered into agreement with VP Service Management Co., Ltd. whereby such company will provide management of hotel service of AITCC. Under terms of the agreements, the Institute is committed to pay management fee to such company, at the rate as indicated in the agreement. The term of the management agreement is for 3 years, counting from the effective date and will end on 31 October 2020. The agreements can be extended by notifying in writing at least 90 days prior to the end of the initial term as specified in the said agreement.

Bank guarantees

At 31 December 2017, bank guarantees which were issued by the bank on behalf of the Institute in respect of bank overdraft facility and certain performance bonds as required in the normal course of operations of the Institute amounted to totalling Baht 1.9 million (2016: Baht 1.9 million). These bank guarantees were collateralised by AIT's fixed deposits as discussed in Note 5.

Others

At 31 December 2017, the Institute had obtained credit facilities for bank overdraft totaling

Baht 5 million (2016: Baht 5 million) which were collateralised by AIT's fixed deposits as discussed in Note 5. Bank overdrafts bore interest at the rate of fixed deposits plus 1.25 % per annum (2016: fixed deposits plus 1.25% per annum).

14. Contingent liabilities

Labour case

At 31 December 2017, there were two labour cases in regards to the breach of employment contracts and are still pending at the Supreme Court and the Central Labour Court. However, on 13 March 2018, the Supreme Court rendered its judgment to dismiss for a labour case in accordance with the Court of First Instance's previous judgment. The judgment thus has become absolute by the dismissal of the case. For another labour case, the Central Labour Court rendered its judgment to dismiss on 30 January 2018. However, the plaintiff has appealed to the Court on 11 May 2018.

The management believes that the outcome of the outstanding case will be in favour of the Institute and the ultimate outcome cannot be presently and reliably determined or quantified. Thus, no provision is recorded in the accompanying financial statements as at 31 December 2017.

Institute Administration

PRESIDENT

Prof. Worsak Kanok-Nukulchai

VICE-PRESIDENTS

Academic Affairs

Prof. Sivanappan Kumar

Administration

Prof. Kazuo Yamamoto

Development

Mr. Surendra Shrestha

DEANS

School of Engineering & Technology

Prof. Voratas Kachitvichyanukul

School of Environment, Resources & Development

Prof. Rajendra Prasad Shrestha

School of Management

Prof. Lawrence S. Abeln

EXECUTIVE DIRECTORS / DIRECTORS

RESPONSIBILITY CENTERS

AIT Extension

Dr. Jonathan L. Shaw

AIT Solutions

Dr. Naveed Anwar

AIT Center in Vietnam (AITCV)

Dr. Fredric W. Swierczek

Special Degree and Online Programs

Prof. Nitin Kumar Tripathi

Internet Education & Research Laboratory (intERLab)

Dr. Mongkol Ekpanyapong

Regional Resource Centre for Asia and the Pacific (RRC.AP)

Mr. Osamu Mizuno

Center of Excellence in Nanotechnology (CoE-Nano)

Prof. G. Louis Hornyak

Geoinformatics Centre (GIC)

Dr. Lal Samarakoon

Language Center

Dr. Freek de Groot

AIT International School (AITIS)

Mr. Kevin Mauritson

AIT Assets

Mr. Wanchai Sophonsakulrat

SERVICE CENTERS

Office of the Secretary to the President (OPRE)

Ms. Chotiros Mongkolchotirat

Office of the Institute Secretary (OIS)

Mr. Karma Rana

Office of Academic Administration (OAA)

Ms. Izel Ann Mojado-Dante

Office of Finance (OFIN)

Mr. Noppadon Rittipongshusit

Office of Human Resources Services (OHRS)

Mr. Jiraphong Bumpenyoo (interim)

Office of Student Affairs (OSA)

Ms. Laarni B. Roa

AIT Library (LIB)

Ms. Pranee Kiriyanant

Office of Host Country Relations (OHCR)

Ms. Chalita Lertwinyu

Office of Advancement (OADV)

Mr. Sanjeev Jayasinghe

Office of External Relations (OEXR)

Mr. Shawn P. Kelly

Office of Media and Communications (OMCO)

Mr. Bajinder Pal Singh

Office of Facilities and Assets Management (OFAM)

Mr. Wanchai Sophonsakulrat

Office of Procurement, Inventory and Assets (OPIA)

Ms. Pakkamol Dherapongsthada

Appendix 3

Faculty Members

HONORARY FACULTY

The Institute is deeply grateful that Her Royal Highness Princess Maha Chakri Sirindhorn has seen fit to share her expertise and experience with faculty, staff and students as an Honorary Faculty Member. In this singular position, Her Royal Highness is associated with the Information and Communications Group, School of Engineering & Technology.



EMERITUS PROFESSORS

Balasubramaniam, A.S.

B.Sc., Ceylon Univ., Sri Lanka; Ph.D., Cambridge Univ., UK

Bergado, Dennes

B.S.C.E., Mindanao State Univ., Philippines; M.Eng., AIT, Thailand; Ph.D., Utah State Univ., USA

Edwards, Peter

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Weber, Karl E.

M.A., Dr. Phil, Heidelberg Ruperto-Carola Univ., Germany

FULL-TIME FACULTY

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B.A., Univ. of Pennsylvania, USA; M.Phil., Ph.D., Cambridge Univ., UK.

Professor and Dean (International Economics; International Labor; Cross Cultural Management; Collective Intelligence; Smart Data as next generation to Big Data)

Dean: School of Management

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Assistant Professor (Mobile robotics; bilateral control; motion control; active vibration suppression and haptics)

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School of Engineering & Technology

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Associate Professor (Economic geography; regional and rural development planning; community development; Non-Governmental Organizations; civil society; globalization; climate change adaptation)

Department of Development & Sustainability

School of Environment, Resources and Development

Anal, Anil Kumar

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Agriculture, Pakistan; M.Sc., Ph.D., AIT, Thailand;

Associate Professor (Food Engineering & Bioprocess Technology Field of Study, Food and Pharmaceutical Biotechnology, Dairy and Meat Process Technology, Food Colloids and Biopolymers, Functional Foods, Risk Analysis and Safety in Food Supply Chain and Processing; Bionano encapsulation; Nanotechnology Applications in Food Industries; Bionanotechnology; Agriculture & Food Technology; Functional Properties of Proteins and Polysaccharides)

Department Head, Department of Food, Agriculture, & Bioresources

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Lecturer (Irrigation Water Management; Application of Intelligent Systems approaches in Water Resources Management problems; Erosion Studies; Climate Change in Agriculture; Applications of GIS and remote sensing to water resource problems)

Department of Civil & Infrastructure Engineering

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Chains; Availability-based and Reliability-based Maintenance; Fuzzy Quality Control Charts; Statistical Design of Experiments; Network Flows Related Problems]

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Department of Information & Communication Technologies

School of Engineering & Technology

Mohanty, Brahmanand

B.Sc., S.A.I.C.E., India; M.Sc., AIT, Thailand; Ph.D., Institut National Polytechnique of Toulouse, France

Visiting Faculty (Integrated Approach to Energy System Analysis; Cleaner Production and Ecoefficiency; Green Buildings and Industries)

Department of Energy Environment & Climate Change

School of Environment, Resources, & Development

Nagai, Masahiko

B.Sc., St. Cloud State Univ., USA ; M.Sc., AIT, Thailand; Ph.D., Univ. of Tokyo, Japan

Visiting Associate Professor (Spatial Information Engineering: Remote Sensing, GIS, Image Processing, GPS and Mobile Mapping and Environmental Information Science: Data Interoperability, Ontology, Standardization and Database Management)

Department of Information & Communication Technologies

School of Engineering & Technology

Nakamura, Tai

B.S., Univ. of Tokyo, Japan; M.S., Stanford Univ., USA ; M.E., Ph.D., Univ. of Tokyo, Japan

Visiting Faculty (Avionics Rocket Systems; Spacecraft Dynamics & Control; International Space Station Utilization; Utilization of Drones for Disaster Monitoring)

Department of Information & Communication Technologies

School of Engineering & Technology

Nguyen, Loc Thai

B.Sc., Can Tho Univ., Vietnam; M.Sc., AIT, Thailand; Ph.D., Ohio State Univ., USA

Assistant Professor (Non-thermal Food Processing Technologies; Mathematical

Simulation in Food Engineering; Transport Phenomena of Food Processes; Integrated Electrochemistry-based Biosensors; Novel Sensing Platforms Based on Nanomaterials]

Department of Food, Agriculture, & Bioresources

School of Environment, Resources, & Development

Nguyen, Thi Phuoc Lai

B.A. Univ. of Hue, Vietnam; M.Sc., Univ. of Bologna, Italy; Ph.D., Univ. of Sassari, Italy

Assistant Professor (Coupled Human-Environment Systems; Social Dimensions of Climate and Environmental Changes; Agri-environmental Policy, Water Governance)

Department of Development & Sustainability

School of Environment, Resources, & Development

Ninsawat, Sarawut

B.Sc., Silpakorn Univ., Thailand; M.Sc., AIT, Thailand;

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Assistant Professor Professor (WebGIS; OGC Web Services & Specifications; SensorWeb; LBS; Mobile GIS Application)

Department of Information & Communication Technologies

School of Engineering and Technology

Nitivattananon, Vilas

B.Eng., Chulalongkorn Univ., Thailand; M.A., Thammasat Univ., Thailand; M.Eng., AIT, Thailand; Ph.D., Univ. of Pittsburgh, USA

Associate Professor (Management of Infrastructure and Services; Waste Recycling and Systems Management; Urban Environmental Management; Water Engineering and Management Economic and Environmental Assessment; Climate Change Risk Assessment and Adaptation; Disaster Management in Urban Infrastructure Planning]

Department of Development & Sustainability

School of Environment, Resources, & Development

Oanh, Nguyen Thi Kim

Dip. Eng., Odessa Hydrometeorology Inst., Ukraine; M.Eng., D.Eng., AIT, Thailand

Professor (Air Pollution Engineering and Management; Transboundary Pollution; Air Pollution and Climate Interaction; Environmental Monitoring and Modeling; Exposure Assessment; Integrated Industrial Environment Management; Meteorology and Climate Science)

Department of Energy Environment & Climate Change

School of Environment, Resources, & Development

Ongsakul, Weerakorn

B.Eng., Chulalongkorn Univ., Thailand; M.S., Ph.D., Texas A&M Univ., USA

Professor (Artificial Intelligence Applications to Power Systems; Parallel Processing Applications; Power System Operation & Control; Power System Deregulation & Restructuring)

Department of Energy Environment & Climate Change

School of Environment, Resources, & Development

Pal, Indrajit

B.Sc., Jadavpur Univ., India, M.A., Garhwal Univ., India, M.Sc., Jadavpur Univ., India; Ph.D. Vidyasagar Univ., India

Assistant Professor (Disaster Preparedness; Mitigation and Management, Disaster Risk Governance; Disaster Risk Reduction; Hazard, Risk and Vulnerability Assessment; GIS & Remote Sensing Applications in Disaster Risk Management; Climate Change Adaptation; Incident Command System and Participatory Disaster Risk Management)

Department of Civil & Infrastructure Engineering

Department of Development and Sustainability

Joint appointment with the School of Engineering & Technology, and School of Environment, Resources, & Development

Parnichkun, Manukid

B.Eng., Chulalongkorn Univ., Thailand; M.Eng., Ph.D., Univ. of Tokyo, Japan

Professor (Robotics Control and Measurement; Design and Development of Hardware and Software of Mechatronic Devices; New Robot Mechanisms; Novel Control Algorithms; Innovative Measurement Concepts)

Department of Industrial Systems Engineering

School of Engineering & Technology

Phien-wej, Noppadol

B.Eng., Chulalongkorn Univ., Thailand; M.S., Ph.D., Univ. of Illinois at Urbana-Champaign, USA

Associate Professor [Tunneling and Underground Excavations in Rocks and Soils; Slope Stability and Retaining Structures; Landslides; Earth Structures and Dams; Pile Foundations; Buried Pipes and Culverts; Geological Hazards]

Department of Civil & Infrastructure Engineering

School of Engineering & Technology

Pravinvongvuth, Surachet

B.Eng., Chulalongkorn Univ., Thailand; M.Eng., AIT, Thailand; Ph.D., Utah State Univ., USA

Assistant Professor (Traffic Simulation; Intelligent Transportation Systems; Travel Demand Forecasting; Discrete Choice Modeling; Transportation Infrastructure Investment)

Department of Civil & Infrastructure Engineering

School of Engineering & Technology

Routray, Jayant K.

B.Sc.(Hons.), Ravenshaw College, Odisha, India; M.Sc., Ph.D., Utkal Univ., Bhubaneswar, India;

Professor (Regional and Rural Development Planning; Rural-Urban Relations; Regional Planning Methods and Techniques; Disaster Risk Reduction and management; Climate Change Induced Adaptation; and GIS Applications)

Department of Development & Sustainability

School of Environment, Resources, & Development

Salam, P. Abdul

BSc. Eng.(Hons), Univ. of Peradeniya, Sri Lanka; M.Eng., D.Eng., AIT, Thailand

Associate Professor (Bioenergy; Renewable Energy; Energy Conservation and Efficiency; Energy, Environment, and Climate Change Issues; Heat Recovery Systems]

Department of Energy Environment & Climate Change

School of Environment, Resources, & Development

Salin, R. K.

BSc., M.Sc., Kerala Agriculture Univ., India, Ph.D., Central Institute of Fisheries Education, India

Assistant Professor (Applied Genetics; Selective Breeding; Hatchery Management and Grow-out Techniques; Biofloc technology; Climate Change in Fisheries and Aquaculture; GIS for Integrated Coastal Resources Management)

Department of Food, Agriculture, & Bioresources

School of Environment, Resources, & Development

Sasaki, Nophea

B.Sc., Royal Univ. of Agriculture, Cambodia; M.Sc., Shinshu Univ. Japan; Ph.D., Gifu Univ., Japan

Associate Professor (Forest Carbon Management; Selective Logging Forest Carbon Accounting and Modeling; Ecological Modeling; Low-Carbon Project Development; Integrated REDD+ Project Management; Biodiversity Conservation; Payment for Ecosystem Services; Climate Policy)

Department of Development & Sustainability

School of Environment, Resources, & Development

Sanguankotchakorn, Teerapat

B. Eng., Chulalongkorn Univ., Thailand; M.Eng., D.Eng., Tokyo Institute of Technology, Japan

Associate Professor (Data Communications; Broadband Integrated Services Digital Networks; Multimedia Communications and Systems; Network Quality of Service)

Department of Information & Communication Technologies

School of Engineering & Technology

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B.Eng., Parahyangan Catholic Univ., Indonesia; M.Eng., AIT, Thailand; Ph.D., Saitama Univ., Japan

Assistant Professor (Infrastructure Management in Developing Countries; Construction Project Management; Public Transportation; Non-motorized Transportation; Risk Management)

Department of Civil & Infrastructure Engineering

School of Engineering & Technology

Shipin, Oleg V.

M.Sc., Univ. of Saratov; D.Sc., Inst. of Biochemistry and Physiology, Moscow, Russia

Associate Professor (Ecological Engineering for Climate Change Adaptation; Environmental Impact Assessment; Microbial Biotechnology and Nanotechnology; Natural Systems – Ponds and Wetlands – as Wastewater Treatment Systems; Microbial Aspects of Environmental Engineering; Health and Ecological Risk assessment; EIA & Disaster Management)

Department of Energy Environment & Climate Change

School of Environment, Resources, & Development

Shrestha, Rajendra Prasad

B.Sc., Haryana Agricultural Univ., India; M.Sc., D.Tech.Sc., AIT, Thailand

Professor Sustainable Land Management; Natural Resources Degradation and Environmental Indicators; Land Use-Climate, Geoinformatics]

Department of Development & Sustainability

Dean: School of Environment, Resources, & Development

Shrestha, Sangam

M.Sc., Tribhuvan Univ., Nepal; M.Sc., AIT, Thailand; Ph.D., Univ. of Yamanashi, Japan

Associate Professor (Climate Change and Adaptation; Integrated Water Resources Management; Hydrology and Water Quality

Modeling; Groundwater Development and Management, Sustainable Water Management Policy)

Department of Civil & Infrastructure Engineering

Department of Industrial Systems Engineering

School of Engineering & Technology

Singh, Jai Govind

B.Eng., Motilal Nehru National Institute of Technology, India; M.Tech.; Ph.D., Indian Institute of Technology

Associate Professor (Power System Planning; Operation and Control; FACTS Controllers; Restructuring of Electric Industry, Demand-side management; Grid Integration of Renewable Energy Resources; Power Distribution Systems; Smart Grid; Micro Grid)

Department of Energy Environment & Climate Change

School of Environment, Resources, & Development

Soni, Peeyush

B.Eng., College of Technology & Engineering, India; M.Eng., Ph.D., AIT, Thailand

Associate Professor (Sustainable Agricultural Mechanization; Design & Testing of Agricultural Machinery; Precision Agriculture; Analytical Techniques & Decision Tools for Agribusiness]

Department of Food, Agriculture, & Bioresources

School of Environment, Resources, & Development

Sukhotu, Vatcharapol

B.Eng., Kasetsart Univ., Thailand; M.Eng., Univ. of Houston, USA, Ph.D., Texas A&M Univ., USA

Assistant Professor (Operation Management; Supply Chain Management)

School of Management

Siengthai, Sununta

B.A., Chulalongkorn Univ., Thailand; M.A., Ph.D., Univ. of Illinois, USA

Professor (Human Resources Management and Firm Performance; Organizational Behavior; Industrial Relations; Performance Management]

School of Management

Taparugssanagorn, Attaphongse

B.Eng., Chulalongkorn Univ., Thailand; MSc., Technische Universität Kaiserslautern, Germany; Dr. Tech, Univ. of Oulu, Finland

Assistant Professor (Smart Energy Grids; Optimal Energy Scheduling; Smart Grid Communications Using Cognitive Radio-based Spectrum Sensing for Cognitive Radio Systems; MIMO-OFDMA

Cooperative Relay Systems; Cognitive Radio-based Wide Coverage Rural Broadband on TV White Spaces; Resource Allocation for MIMO-OFDMA Systems; Digital Image Processing]

Department of Information & Communication Technologies

School of Engineering & Technology

Thammarak, Punchet

B.Eng., Chulalongkorn Univ., Thailand; Ph.D., Univ. of Texas, USA

Lecturer (Computer Methods of Structural Analysis; Finite Element Methods in Engineering; Finite Element Methods; Dynamic Problem & Wave Propagation Analysis; Absorbing Boundary Conditions; Material Nonlinearities; Soil-Structure Interactions; Precast Concrete Structures]

Department of Civil & Infrastructure Engineering

School of Engineering & Technology

Tripathi, Nitin Kumar

B.Tech., Regional Eng. College, Warangal, India; M.Tech., IIT.; Ph.D., IIT., Kanpur, India

Professor (Remote Sensing and GIS for Disaster Mitigation; GIS; Remote Sensing: RFID and Vehicle Tracking; Indoor Positioning Systems; Environment, Disaster; Agriculture; Health; Applications]

Department of Information & Communication Technologies School of Engineering & Technology

Director of Special Degree Programs

Visvanathan, Chettiyappan

B.Tech., IIT, Madras, India; M.Eng., AIT, Thailand; D.Eng., Institut National Polytechnique, Toulouse, France

Professor (Cleaner Production; Industrial Environment Management; Membrane Technology for Water and Wastewater Treatment; Solid Waste Management; Environmental Hazards Mitigation)

Department of Energy Environment & Climate Change

School of Environment, Resources & Development

Virdis, Salvatore

M.Sc., Univ. of Siena, Italy; Masters in DESS, Université Pierre et Marie Curie UOMC, Paris, France; Ph.D., Univ. of Siena, Italy

Assistant Professor (Applied Geological Sciences and Remote Sensing: Geo-Information and Earth Observation Science; Remote/Proximal Sensing Techniques; Advanced Geospatial Modelling for Natural and Non-natural Processes from Field- to Landscape-scale on Range of Timescales from Seasonal to Decadal Processes; Dynamics of Physical Landscapes; Social and Human Dimensions of Geographical Problems)

Department of Information & Communication Technologies

School of Engineering & Technology

Warnitchai, Pennung

B.Eng., Chulalongkorn Univ., Thailand; M.Eng., Ph.D., Tokyo Univ., Japan

Professor (Structural Dynamics; Earthquake Engineering: Seismic Hazard Assessment; Earthquake-resistant Design of Structures); Wind Engineering: Wind Effects on Structures; Aero-elasticity; Wind Tunnel Model Tests; Bridge Engineering: Control of Structural Vibration)

Department Head, Department of Civil & Infrastructure Engineering

School of Engineering & Technology

Winijkul, Ekborn

B.Eng., Chiang Mai Univ., Thailand; M.Eng., AIT, Thailand; Ph.D., Univ. of Illinois, USA

Assistant Professor (Air Pollution Emission Inventory; Household Emission Distribution and Mitigation Scenarios; Transportation Emission Reduction Strategies; Air Quality Monitoring and Modeling)

Department of Energy Environment & Climate Change

Wityangkun, Apichon

B.Eng., King Mongkut's Inst. of Tech., Ladkrabang, Thailand; M.Eng., AIT, Thailand; D.Eng., Univ. of Tokyo, Japan

Visiting Faculty (Large-Scale Spatial Data Processing & Mining; Trajectory Data Processing; Mobile Computing; Human Activity and Behavior Analysis; Parallel Processing; Cloud Computing Platforms; Sensor Networks; Real-time Monitoring Systems; Sensor-based Unmanned Aerial Vehicles: UAV

Department of Information & Communication Technologies

School of Engineering & Technology

Yamamoto, Kazuo

B.Sc., M.Sc., Ph.D., Univ. of Tokyo, Japan

Visiting Professor (Water Reclamation; Waste Management; Membrane Technologies]

Department of Energy Environment & Climate Change

Vice President for Administration

Yukongdi, Vimolwan

B.B.A., Assumption Univ., Thailand; M.B.A., Univ. of Pittsburgh, USA; Ph.D., Univ. of Melbourne, Australia

Assistant Professor

(Human Resources Management and Organizational Behavior)

Head of MBA Programs

School of Management

Appendix 4

Partnership Agreements 2017

In 2017, the Office of External Relations (OEXR) organized, facilitated, and hosted official visits from seventy-six (76) universities, institutions, organizations, and governments from twenty-six (26) countries as well as the United Nations to discuss and plan collaboration, cooperation, and partnerships. These countries included: Austria, Bangladesh, Bhutan, Brunei, Canada, China, Finland, Germany, India, Indonesia, Japan, Korea, Lao PDR, Malaysia, Myanmar, Nepal, Panama, Pakistan, Peru, the Philippines, Spain, Taiwan, Thailand, Timor-Leste, the United States, and Vietnam.

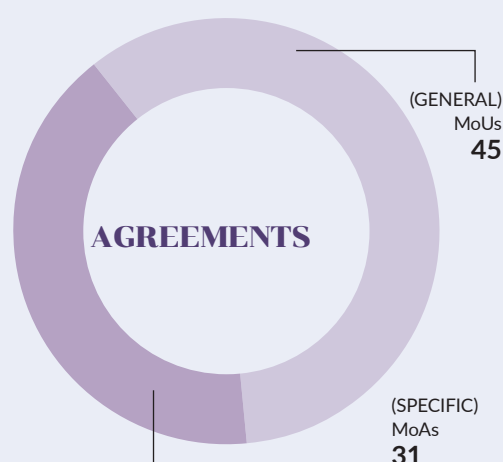
Seventy-six (76) institute-level agreements – Memorandums of Understanding (MOU) and Memorandums of Agreement (MOA) – were signed with partners representing twenty-three (23) countries: Austria, Bangladesh, Belgium, Bhutan, Cambodia, Canada, China, Denmark, Finland, France, India, Indonesia, Japan, Malaysia, Myanmar, Pakistan, the Philippines, Singapore, Sri Lanka, Sudan, Sweden, Thailand, and Vietnam. OEXR assisted the entry of the Embassies of Canada, Laos, and Cambodia to Thailand as new members of the AIT Board of Trustees.

Strategic partnership meetings and international promotion missions took place with the Government of China and universities in China, Lao PDR, Myanmar, Thailand, and Japan. OEXR organized an annual AIT Open House 2017 and took the lead in coordinating AIT's participation at the OCSC International Education Expo 2017. OEXR supported the organization of AIT participation at AIT Days in Laos, Nepal, Myanmar, and the Philippines and the UNESCAP Sustainable Development Goals (SGD) Week from November 28 to December 2, 2017 at UNESCAP, Bangkok.

International Mobility: Under Key Action 1 – Teaching and Learning Mobility under Erasmus+: one (1) student attended VGTU (Lithuania); and (1) student and 1 staff attended and visited the University of Granada, Spain. OEXR coordinated the visits of nine (9) AIT students to Ochanomizu University Summer Program, Japan for two (2) weeks, and 5 students for an exchange program under the Sakura Science Project with full scholarships at Ochanomizu University, Japan.

AGREEMENTS 2017

SCHOOL / UNIT / CENTER	
SET	9
SERD	15
SOM	1
LC	1
AIT Extension	6
AIT Solutions	4
RRC.AP	5
SDP / Unified Program	8
TOTAL	49
SERVICE CENTERS	
President's Office	11
OEXR	13
OADV	2
OHCR	1
TOTAL	27



Memorandums of Understanding

AIT PARTNER	COUNTRY	EFFECTIVE DATE	EXPIRY DATE	DESCRIPTION
VITO NV	Belgium	2017-01-01	2017-12-31	VITO and AIT agreed to be partners in the organization of the G-STIC conference on October 23-25, 2017 in Brussels, Belgium. AIT will take the lead in the “Urbanization” and “Agriculture” streams at this international conference.
Central Institute of Forensic Science (CIFS)	Thailand	2017-02-27	2020-02-26	To exchange information regarding the body of knowledge in investigation of traffic accidents on the scene, injury factors, and autopsy information, as well as relevant information needed for accident prevention beneficial to the general public. To develop educational research that benefits the social sector in terms of in-depth study and for statistical reference. Innovations for boosting road safety and prevention of road accidents leading to reduced injury and death incidence.
Universitas Negeri Malang	Indonesia	2017-03-21	2022-03-20	To enable UM faculty members and graduates to apply for admission to degree and non-degree programs at AIT with Indonesian or AIT scholarships or international funding support.
SHE Foundation	India	2017-03-23	2022-03-22	Student Recruitment Agency (SRA) for Unified International Bachelor Masters Degree Program.
Phnom Penh International University	Cambodia	2017-03-29	2022-03-28	Cooperation in many areas, such as student exchanges, faculty exchanges, and dual degrees. Mentorship partnership.
Asia Euro University	Cambodia	2017-03-29	2022-03-28	Cooperation in many areas, such as student exchanges, faculty exchanges, and dual degrees. Mentorship partnership.
Interfaculty Department of Geoinformatics (Z_GIS), University of Salzburg	Austria	2017-04-06	2022-04-05	Exchange of students through a mobility and exchange program; admission and registration rules apply according to the respective host institution frameworks.
MTR Academy, Hong Kong	China	2017-04-04	2020-04-04	General partnership
Myanmar Engineering Society (MES)	Myanmar	2017-04-29	2022-04-29	Professional masters degree program
Eastern Economic Corridor of Innovation, EECi	Thailand	2017-05-04	2027-05-04	AIT joins the Government of Thailand's initiative to develop the EECi.
Siam University	Thailand	2017-05-11	2022-05-10	Promoting collaboration in various academic activities; exchange of students, faculty, and staff to participate in joint research projects; unified degree program; joint organization of technical meetings, international workshops, conferences, seminars, and symposiums.
Kyoto University	Japan	2017-05-31	2022-05-30	Renewal of Institute-level partnership.
Universitas Gadjah Mada (UGM)	Indonesia	2017-06-08	2022-06-07	<ul style="list-style-type: none"> ♥ Development and implementation of collaborative training programs. ♥ Organization of joint academic and research activities. ♥ Exchange of research and teaching staff. ♥ Exchange of students. ♥ Exchange of academic materials and other information.

AIT PARTNER	COUNTRY	EFFECTIVE DATE	EXPIRY DATE	DESCRIPTION
Power Grid Company of Bangladesh Ltd (PGCB)	Bangladesh	2017-06-09	2022-06-08	<ul style="list-style-type: none"> Formation of detailed plan of activities for collaboration. Collaboration on the development and conduct of high-quality customized professional development courses for junior, mid-level, and senior officers. Support for officers of Power Grid Company of Bangladesh Ltd. to attend open courses offered by AIT Extension. Sharing of data intelligence and education materials. Assisting with promoting each other's activities.
Nagaoka University of Technology (NUT)	Japan	2017-06-12	2022-06-12	Partnership renewal.
Thailand Center of Excellence for Life Sciences (TCELS)	Thailand	2017-06-13	2019-06-12	<ul style="list-style-type: none"> To develop cooperation between AIT and TCELS. Establishment of a Technology Development Office at AIT under the guidance of TCELS. Human resources development for technology transfer professionals. Management of IP portfolio to maximize the value of commercialization.
University of Jember (UNEJ)	Indonesia	2017-06-16	2022-06-15	<ul style="list-style-type: none"> Development of a strategic partnership between AIT and UNEJ in all relevant aspects, particularly in the fields of study of interest to both UNEJ and AIT's three schools. Participation in national and international projects in certain areas of interest. Conduct collaborative research between AIT and UNEJ.
University of Toledo	USA	2017-06-20	2022-06-20	Unified Program and Academic exchange.
Ochanomizu University	Japan	2017-07-01	2022-06-30	Renewal of Partnership agreement.
Sukkur Institute of Business Administration	Pakistan	2017-07-12	2022-07-11	<ul style="list-style-type: none"> Masters and Doctoral degree programs. Certificate and Diploma programs. Exchange of faculty and staff. Exchange of students. Conduct joint / dual degree programs. Short term training programs. Joint research programs.
Asian Disaster Preparedness Center (ADPC)	Thailand	2017-07-14	2018-03-31	Renewal of partnership.
China-ASEAN Innovation & Entrepreneurship Education Alliance of Universities	China	2017-07-28	2017-07-28	22 higher education institutions with consensus on establishment of China-ASEAN Innovation & Entrepreneurship Education Alliance of Universities.
Institute of Urban Environment, Chinese Academy of Sciences (IUE-CAS)	China	2017-08-05	2021-04-30	General partnership

AIT PARTNER	COUNTRY	EFFECTIVE DATE	EXPIRY DATE	DESCRIPTION
China Science Map-Universe Technology Co., Ltd. (MAPUNI) affiliated with Beijing Normal University (BNU)	China	2017-08-18	2022-08-18	<p>AIT entered into agreement with China Science Map-Universe Technology Co., Ltd. (MAPUNI), with an industrial base of geographic information technology and remote sensing technology applications of the Chinese Academy of Sciences (CAS). It also focuses on research integration between enterprises and universities.</p> <ul style="list-style-type: none"> MAPUNI is keen to collaborate on water and environmental management with AIT for possible business activities expansion in Southeast Asia. One concrete activity includes establishing a joint laboratory on water and environmental management. <p>Other possibilities are to cooperate on research projects, exchange of students and researchers, sharing of academic publications, and jointly conducting workshops and conferences.</p>
Institute for Global Environmental Strategies (IGES), H.Q. Hayama	Japan	2017-08-21	2022-08-20	<ul style="list-style-type: none"> Collaboration on policy research and related operations toward achieving sustainable development in Asia and the Pacific. To promote concrete cooperation, and specific modalities of collaboration and the preparation of project proposals for joint funding.
Stockholm Environment Institute (SEI) – SEI Asia Centre (Bangkok, Thailand)	Sweden/Thailand	2017-08-22	2022-08-21	Strategic Partnership to work on particular platforms for capacity building and funds mobilization, lectures and seminars, post-graduate supervision and examination, and internship opportunities.
Centre de Cooperation Internationale de Recherche Agronomique pour le Développement (CIRAD)	France	2017-08-29	2018-08-31	Agreement to extend the Specific Memorandum of Understanding (SMoU) signed on May 25, 2015 with regard to the hosting of French faculty member Dr. Nicolas Fayse (CIRAD) by AIT.
Jönköping University	Sweden	2017-09-04	2027-09-04	Partnership renewal.
Northwestern Polytechnic University (NPU)	China	2017-09-15	2022-08-14	Cooperation Agreement on Jointly Developing Community of Innovation and Entrepreneurship.
Nagaoka University of Technology (NUT)	Japan	2017-09-04	2022-09-03	Academic exchange.
Women Organizing for Change in Agriculture and Natural Resource Management (WOCAN)	USA	2017-09-20	2022-09-19	Training and Capacity Building Programs in Climate Change, Gender, Environment, and Sustainable Development.
Chiba University	Japan	2017-10-16	2022-08-30	Academic exchange and cooperation.
Siam University	Thailand	2017-11-05	2022-11-05	Unified Degree Program.
World Wildlife Fund (WWF) – Washington, DC.	USA	2017-10-24	2018-10-23	To enable broad-based, Institute-level strategic cooperation between AIT and WWF, specifically for advancing natural and nature-based flood management within an integrated flood management approach as represented in the publication Natural and Nature-based Flood Management: A Green Guide (FGG).

AIT PARTNER	COUNTRY	EFFECTIVE DATE	EXPIRY DATE	DESCRIPTION
Fair Agora Asia	Thailand	2017-10-25	2022-10-24	To enable cooperation between AIT and FAA by engaging joint activities related to sustainable aquaculture and scaling-up of technology driven aquaculture management programs through application of smart devices that help in data collection and to facilitate Good Aquaculture Practices in shrimp, freshwater prawn, and fish farms in Thailand.
Balochistan Development Network (BDN)	Pakistan	2017-11-17	2020-11-16	<ul style="list-style-type: none"> ♥ Cooperation on capacity building activities for development. ♥ Collaboration on research including but not limited to issues related to poverty and local governance. ♥ Collaboration on preparing proposals for development projects and programs to be submitted to funding organizations and entities for consideration. ♥ AIT assisting in building capacity of BDN's strategic leadership, organizational structure, and operations to empower and enable BDN to benefit the people of Balochistan. ♥ Joint organization of technical meetings, international workshops, conferences, seminars, and symposia to address development issues and solutions for Balochistan. ♥ Collaborating on development of policy recommendations for Balochistan, in which policy recommendations are developed through recognized data gathering and data analysis procedures so as to provide optimal recommendations for Balochistan that consider the local environment, social and economic resources, and constraints. ♥ Collaboration on assessing social and environmental impacts of development projects and subsequently developing mitigation strategies and proposals to address negative impacts of projects.

AIT PARTNER	COUNTRY	EFFECTIVE DATE	EXPIRY DATE	DESCRIPTION
The Institution of Engineers, Singapore (IES)	Singapore	2017-11-17	2022-11-16	<p>To enable cooperation between AIT and IES for conducting joint activities in the fields of capacity building and project development pertaining to three priority areas: climate change, urban transformations, and Sustainable Development Goals (SDGs). Activities within the scope of this MoU are:</p> <ul style="list-style-type: none"> ♥ Capacity building in the broad emerging topics of Climate Change, Urbanization, and Sustainable Development Goals (SDGs). ♥ The capacity building envisaged includes: education (MSc and PhD); joint applied research at local and national levels; and trainings targeting executive to professional levels. ♥ Develop joint project proposals to implement innovative solutions on the above topics for funding by Nordic countries and Singapore; ♥ Develop joint knowledge products to enhance knowledge and subsequent application of responses to address the challenges posed in the three priority areas.
Druk Green Power Corporation Limited	Bhutan	2017-11	2020-11	<ul style="list-style-type: none"> ♥ Formation of a detailed plan of activities for collaboration; ♥ Collaboration on the development and conduct of long-term and short-term customized professional development courses for DGPC professionals within MoU's objectives; ♥ Collaboration on the development and conduct of postgraduate certificate, masters, and professional masters degree programs for DGPC engineers and management staff in line with objectives of the MoU; ♥ Provision of support for DGPC officers and subsidiary companies to attend open courses offered by AIT Extension; ♥ Assisting with promoting each other's activities

AIT PARTNER	COUNTRY	EFFECTIVE DATE	EXPIRY DATE	DESCRIPTION
Ministry of Education, Government of Sri Lanka	Sri Lanka	2017-11	2020-11	<ul style="list-style-type: none"> Formation of a detailed plan of activities for collaboration. Modalities of each type of collaboration, associated activities, and financial aspects shall be mutually agreed upon on a case-by-case basis in separate Contracts of Service (CoS). Collaboration on the development and conduct of high-quality customized professional development courses. If any additional areas for human resources development is needed besides those mentioned above, these shall be decided with mutual consultation between both parties. Support for Ministry of Education officers to attend open courses offered by AIT Extension; Sharing of data, intelligence, and education materials; Assisting with promoting each other's activities.
Thaklong Municipality of Pathumthani Province	Thailand	2017-11-22	2020-12-22	General partnership
New Delhi Institute of Management (NDIM)	India	2017-11-27	2022-11-27	General partnership
Meinhart Pte., Ltd	Singapore	2017-12	2018-12	One full scholarship for 2018.
Computer and Structures Incorporated	USA	2017-12	2018-12	One full scholarship for 2018.
Shanghai Ocean University	China	2017-12	2022-12	Exchange and Joint Research activities in Aquaculture, Fisheries, Food Science, Marine Science, and Resources and related activities.
Food and Agriculture Organization (FAO)	Thailand	2017-12	2018-12	To organize a regional workshop in Bangkok in March 2018.
Zhejiang Institute of Freshwater Fisheries	China	2017-12	2022-12	Prepare and workshop report and regional synthesis paper.
Bhutan Power Corporation (BPC)	Bhutan	2017-12-11	2022-12-10	Exchange and Joint Research activities in Aquaculture, Fisheries, Food Science, Marine Science, and Resources and related activities. New Scholarship program to enroll BPC, Bhutan employees in AIT's Masters programs, with 5 Masters scholarships in 2018 and 5 per year until 2022. At least 25 scholarships in the 5-year period of the agreement.

Memorandums of Agreement

AIT PARTNER	COUNTRY	EFFECTIVE DATE	EXPIRY DATE	DESCRIPTION
Vlaamse Instelling Voor Technologisch Onderzoek (VITO)	Belgium	2017-01-01	2017-12-31	Organize G-STIC conference on October 23-25, 2017 in Brussels, Belgium (VITO and FAB/SERD)
Vlaamse Instelling Voor Technologisch Onderzoek (VITO)	Belgium	2017-01-01	2017-12-31	Organize G-STIC conference on October 23-25, 2017 in Brussels, Belgium (VITO and EECC/SERD)
Research Center for Culture and Tourism, University of Udayana (UNUD)	Indonesia	2017-01-03	2019-01-02	To conduct the activities related to the UEM/SERD project affecting Coastal Areas Governance in the Context of Rapid Tourism Urbanization and Climate Change in Southeast Asia.
Petra Christian University (PCU)	Indonesia	2017-01-20	2022-01-19	Establishment of Unified International Bachelor/ Masters Degree Program.
IGES Secondment Staff for Climate Change Asia CCA	Japan	2017-03-01	2018-03-31	Secondment of IGES staff to RRC.AP
DHI Academy (Renewal)	Denmark	2017-03-23	2022-03-22	Provision of special licenses, faculty exchanges, internships, and research at DHI, joint professional training courses, and collaborative research at PhD level
SHE Foundation	India	2017-03-23	2022-03-22	Student Recruitment Agency (SRA) for Unified International Bachelor/Masters Degree Program.
Dr. Guanxin Yao (Contract)	China	2017-04-19	2018-04-18	The FOS International Energy Journal (IEJ) entered into a one-year instrument with Dr. Guanxin Yao to have exclusive rights to publish scientific articles from China in the IEJ in one Special Issue, Volume 17, 2017. This is on a one-time only trial basis. Dr. Guanxin will compensate the IEJ, paying USD 600 per article.
Index International Group Co Ltd	Thailand	2017-05-30	2019-03-30	New scholarships provided by Index International Group Co. Ltd.
University of Science and Technology of the Southern Philippines (USTP), Cagayan de Oro	Philippines	2017-05	2022-05	To support USTP scholars to attend AIT through academic scholarships.
Kyoto University	Japan	2017-06-16	2022-06-15	
Eight-Japan Engineering Consultants Inc. (E-JEC)	Japan	2017-06-19	2019-09-08	1 Master's scholarship for August 2017 Intake
Ochanomizu University	Japan	2017-07-01	2022-06-30	Student exchange
KS Global Research SDN Bhd.	Malaysia	2017-07-05	2018-07-05	
Public Health Institute (PHI), Khartoum	Sudan	2017-08-07	2022-08-06	Two-stage Masters Degree Program in Disaster Preparedness, Mitigation, and Management (DPMM) Program with specialization in Public Health Disaster Management (PHDM) starting from August 2017 Semester.
Bangchak Corporation Public Limited (BCP)	Thailand	2017-07-25	2022-07-25	The purpose of this agreement is to establish Bangchak Initiative and Innovation Center at AIT (BIIC@AIT) to inculcate entrepreneurship and the creation of enterprises based on knowledge innovation, especially focusing on green sustainable technology.

AIT PARTNER	COUNTRY	EFFECTIVE DATE	EXPIRY DATE	DESCRIPTION
Myanmar Engineering Society (MES), Mandalay Region Chapter	Myanmar	2017-08-25	2022-08-24	Professional Masters degree program in Project Management Construction offered by SET/ AIT. This program was successful run previously with the Ministry of Construction, Myanmar.
Siam University (SU)	Thailand	2017-09-11	2022-09-11	To initiate a Unified Degree Program.
Nagaoka University of Technology (NUT)	Japan	2017-09-04	2022-09-03	Student exchanges
Cooperation Agreement - Northwestern Polytechnic University (NPU)	China	2017-09-15	2022-09-15	Cooperation Agreement on Jointly Developing a Community of Innovation and Entrepreneurship.
Chiba University	Japan	2017-10-16	2023-05-27	Student Exchanges
Contract for Professional Services - United Nations Development Program (UNDP)	Thailand	2017-10-17	2018-05-31	Contract
Fair Agora Asia	Thailand	2017-10-25	2022-10-24	To engage in joint research and capacity building activities between AIT and FAA in matters related to the fields of sustainable aquaculture and fisheries, seafood certification, traceability methodology, developing frameworks for standards, machine-to-machine data collection, etc. and to support farmers for the mutual benefits of both organizations. AIT will provide technical support to FAA in collecting, triangulating, and analyzing data from aquaculture farms, seafood capture, and processing industries in Thailand and elsewhere by extending AIT's network with aquaculture and fisheries enterprises in the region.
United Nations (UNESCAP)	Thailand	2017-10-25	2018-04-30	To accept UNESCO offer to WEMS / AIT Solutions for USD 50,000 project awarded to AIT.
South Asian Institute of Technology and Medicine (SAITM)	Sri Lanka	2017-11-12	2022-11-12	Unified International Bachelor-Masters Degree Program
The Institution of Engineers, Singapore (IES)	Singapore	2017-11-17	2022-11-16	To jointly deliver a professional development workshop entitled Managing Project Preparation for Climate Change Mitigation and Adaptation, which will focus on developing capacities in Asia to prepare for, finance, and implement "bankable" climate change mitigation and adaptation projects. Through its Climate Change Asia initiative, AIT has carried out a number of such workshops and training courses at both national and regional levels since April 2016. IES and AIT will replicate these workshops in Singapore.

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JIS College of Engineering	India	2017-11-25	2022-11-25	
Vietnam Electricity (EVN)	Vietnam	2017-12-01	2022-12-31	To initiate a 5-year scholarship program with EVN.
Jönköping University	Sweden	2017-12-04	2027-12-04	
Savannakhet University	Laos	2017	2017	English Language Bridging Program by AIT Language Center for English Department faculty members of Savannakhet University.
University of Oulu	Finland	2017-12-18	2022-12-17	To initiate new International Double Degree Masters Program in Telecommunications and Wireless Communications between AIT and the University of Oulu. Scheduled to start in August 2018.