

(SET)

- **Department of Civil and Infrastructure Engineering**
  - Construction Engineering and Infrastructure Management
  - Geotechnical and Earth Resources Engineering
  - Structural Engineering
  - Transportation Engineering
  - Water Engineering and Management

- **Department of Information and Communication Technologies**

- Computer Science
- Information Management
- Information and Communications Technologies
- Telecommunications
- Remote Sensing and Geographic Information Systems
- Data Science and Artificial Intelligence
- Internet of Things (IoT) Systems Engineering

- **Department of Industrial Systems Engineering**

- Mechatronics
- Microelectronics and Embedded Systems
- Industrial and Manufacturing Engineering
- Bio-Nano Materials Science and Engineering

DEVELOPMENT (SERD)

- **Department of Food, Agriculture and Bioresources**
  - Agribusiness Management
  - Agricultural Systems and Engineering
  - Aquaculture and Aquatic Resources Management
  - Food Engineering and Bioprocess Technology
  - Food Innovation, Nutrition and Health

- **Department of Energy, Environment and Climate Change**

- Climate Change and Sustainable Development
- Environmental Engineering and Management
- Marine Plastics Abatement
- Regenerative Sanitation
- Sustainable Energy Transition

- **Department of Development and Sustainability**

- Development and Sustainability Gender and Development Studies
- Natural Resources Management
- Development Planning
- Management and Innovation
- Urban Innovation and Sustainability
- Urban Sustainability Planning and Design
- Society and Environmental Governance

(SOM)

- **Business Administration**
  - Marketing
  - Finance
  - Change & Innovation
- **Business Risk and Resilience**
- **Business Analytics and Digital Transformation**
- **International Finance**
- **Banking and Finance**

**INTER-SCHOOL PROGRAMS**

- **Open Master of Engineering/Science in Interdisciplinary Studies (All Schools)**
- **Disaster Preparedness, Mitigation and Management (SET & SERD)**
- **Urban Water Engineering and Management (SET & SERD)**
- **Social Business and Entrepreneurship (SERD & SOM)**
- **Water Security and Global Change (SET & SERD)**





## STUDY OPTIONS AT AIT

### Degree Programs

Specializations across its various aspects of technology and management. Services are designed to address needs and to respond to current.

### Options

On-campus Degree courses online via a platform, with an option of a semester. The minimum time away from career study at the same time.

### Programs

'On-campus only' option for career advancement. A conventional two-year program for those not wanting to pursue a career.

### Programs

For working professionals, programs in specific practice-oriented, based models and frameworks – to the needs. Graduates through this international

### Unified Programs

Earning two degrees – Bachelor from Partner University and Master from AIT, through this 'fast-track' and cost-efficient collaborative program, using summer holidays in the study program as inter-semester. Students have an opportunity to work on a Bachelor's Degree Final-Year Project at AIT, thereby saving at least one semester of study to obtain two degrees.

### Capacity-Building PhD Partnership Programs

Providing human resource capacity development for non-PhD faculty and staff of other partner higher education institutions, enhancing institutional capacities and strengthening academic communities globally. The student can pursue a regular in-person Doctoral program or a program combining residence education with flexible online delivery, through innovative Hybrid Modes of Instruction.

### Dual Degree Programs

Dual degree programs with international peer institutions allow students to study in two approved degree programs at the same time and complete the requirements of both. These programs provide academic enrichment and international mobility for students studying in programs in combination with partner universities around the world.

- Beijing Institute of Technology
- Beijing Normal University
- Brunel University London
- Colorado State University
- IHE Delft Institute for Water Education
- Koc University
- Korea Advanced Institute of Science and Technology
- Kyoto University
- Lomonosov Moscow State University
- National Taiwan University
- Shanghai Ocean University
- Tallinn University of Technology
- Technical University of Munich
- Tsinghua University
- University of Alberta
- University of Iowa
- University of Oulu
- University of Science and Technology of China
- University of Strathclyde
- University of Tokyo
- University of Wallongong
- Vilnius Gediminas Technical University
- **and more ...**

## and GOVERNMENTS

- Asian Development Bank
- Bangchak Corporation Pub Co., Ltd.
- Betagro Pub Co., Ltd.
- Bill and Melinda Gates Foundation
- China Scholarship Council
- Computer & Structure Inc.
- DeepRock (Vanke), Shenzhen
- Dorabot, Shenzhen
- ERASMUS+ / European Union
- German Academic Exchange Service (DAAD)
- Ministry of Foreign Affairs, Government of Japan
- National Science and Technology Development Agency
- Royal Thai Government
- Siam Cement Group Pub Co., Ltd.
- Siam Commercial Bank Pub Co., Ltd.
- TEAM Consulting Engineering and Management Pub Co., Ltd.
- Thai Pipe Industry Co., Ltd.
- United Nations Economic and Social Commission for Asia and the Pacific
- United States Agency for International Development
- World Bank
- **and more ...**



## Program

Program offers an opportunity for students to learn inside and outside the classroom in a partnering environment. Students in this program gain practical knowledge, transversal skills, communication, and will be able to apply personal and professional skills during the period of this program. Students are encouraged to take courses taken at the home university. Exchange scholarships are available and highly competitive.

Opportunity is available to all students who are enrolled in degree programs in various fields in national and international universities as a part of their curriculum. The internship can be of 3 to 6 months and duration can be flexible. The internship can be in the research area of the student's interest. The student reports during the internship. Students gain practical experience, networking and opportunities in future.

AIT also offers minor programs to students to complement the knowledge gained in their major program and can be taken concurrently with each other. The benefits and will be shown during the program. One such minor program is Entrepreneurship.



## SCHOLARSHIPS & FELLOWSHIPS

- HM King's Scholarship & HM Queen's Scholarship
- Loom Nam Khong Pijai (GMSARN Scholarship)
- Asian Development Bank –Japan Scholarship Program
- AIT-UNESCO-IHE Programme
- Joint Japan/World Bank Graduate Scholarship Program
- China Scholarship Council
- Royal Thai Government Fellowship
- AIT Scholarship
- and more ...

## ENTREPRENEURSHIP

An **AIT Entrepreneurship Center** nurtures the entrepreneurial thinking and orientation in students, staff and faculty, and provides programs, mentorship, skills, competitions, and exposure that lead to the start-up and management of new innovative business ventures. The Center aims to enhance the Institute's capability to impact socioeconomic development through hands-on knowledge transfer via start-ups. An Entrepreneurship minor is offered.

Apart from academic programs in three AIT Schools, these Outreach Centers are the connectors for AIT's education and research outreach with industry and society.

### AIT Extension

--Executive education, lifelong learning, skill development through short-courses, trainings, workshops, and seminars

### AIT Solutions

--Innovative consulting/solutions in engineering, technology, environment, infrastructure, education and management

### Geoinformatics Center

--Consulting and capacity building in application of Remote Sensing and Geoinformatics in agriculture, disaster risk management, and environment

### Regional Resource Center for Asia and Pacific

--Advancement of Region's environment and sustainable development goals through research and capacity building

### Belt & Road Research Center

--Research and studies in sustainability issues of the Belt and Road region

### Internet Education and Research Laboratory

--Development, training, and education programs related to internet development and IT topics

### AIT Artificial Intelligence Technology Center

--Research and development to incorporate AI into AIT programs and its application to real-world problems

### Yunus Center at AIT

--Enterprise solutions for SDGs & technologies to alleviate poverty; member of global Yunus network

### AIT Center Vietnam

--Provisions of academic programs, training, and consulting in Vietnam



## Dr. Binda Pandey (Class of 2002)

### Current Position

MP, House of Representative and Chair of Trade Union Policy Institute of GEFONT, Nepal

AIT has added me theoretical clarity which has helped me in my role as a woman and a trade union activist dealing with gender issues for decades. I could apply my academic knowledge to my work on movement and state policy to achieve gender justice. I am always thankful to AIT for enriching me with this academic strength.

