THAI-NICHI INSTITUTE OF TECHNOLOGY (TNI)

GO GLOBAL WITH OUR INTERNATIONAL PROGRAM

TO CHALLENGE YOUR FUTURE

WWW.TNI.AC.TH

INTER.TNI.AC.TH

HISTORY OF TNI

THAI-NICHI INSTITUTE OF TECHNOLOGY (TNI) WAS ESTABLISHED BY THE TECHNOLOGY PROMOTION ASSOCIATION (THAILAND-JAPAN) (TPA) WHOSE MISSION IS TO DISSEMINATE KNOWLEDGE TO THAI PERSONNEL FOR THE ECONOMIC AND INDUSTRIAL PROSPERITY OF THAILAND.

In 2007, TNI officially opened its door to students offering undergraduate and graduate programs with the innovative learning style of Monozukuri (Dedication, Creativity, and Development) and the ultimate philosophy "to develop knowledge and enrich industry so as to improve the economy and society".

TNI offers various bachelor's and master's degree programs in the fields of engineering, information technology, and management, to meet the demand from business and industrial sectors in Thailand and overseas for knowledgeable employees. TNI's graduates are guaranteed employment upon graduation in various Thai, Japanese, and joint-venture companies operating locally and abroad.

Reaching a decade of establishment in 2017, and producing numerous high-quality and skillful graduates for both Thai and international markets, TNI is now stepping forward to a new era of international recognition with the launch of international programs in three fields that provide more advanced knowledge to students consistent with the institute's practical core values.

TNI FOUNDER

In 1973, a group of philanthropists studying and training in Japan established the Technology Promotion Association (Thailand-Japan) (TPA) with assistance from Japanese society and under the direction of Mr. Goichi Hozumi and Mr. Sommai Hoontrakul, who was Thailand's Minister of Finance four times. TNI was founded by TPA, on September 29th, 2006 and officially opened on August 2nd, 2007. TPA has, therefore, contributed to economic cooperation between Thailand and Japan for many decades.

UNDERGRADUATE PROGRAM

THAI PROGRAM

Faculty of Engineering (B.Eng.)
- Automotive Engineering (AE)
- Production Engineering (PE)
- Computer Engineering (CE)
- Industrial Engineering (IE)
- Electrical Engineering (EE)

Faculty of Information Technology (B.Sc.)
- Information Technology (IT)
- Multimedia Technology (MT)
- Business Information Technology (BI)
- Digital Technology in Mass Communication (DC)

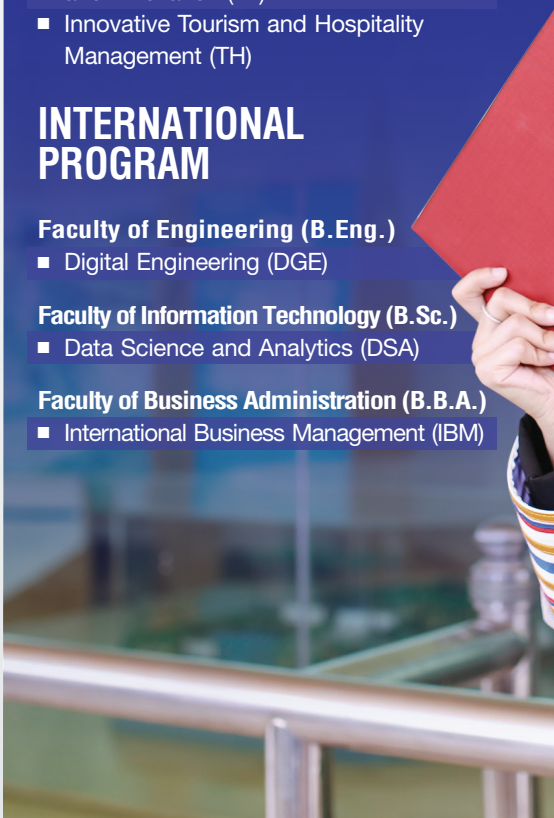
Faculty of Business Administration (B.B.A.), (B.Acc.)*
- Business Administration (Japanese) (BJ)
- International Business Management (IB)
- Accountancy (AC)*
- Japanese Human Resources Management (HR)
- Creative Marketing (CM)
- Logistics and Supply Chain Management (LM)
- Management of Production Technology and Innovation (MI)
- Innovative Tourism and Hospitality Management (TH)

INTERNATIONAL PROGRAM

Faculty of Engineering (B.Eng.)
- Digital Engineering (DGE)

Faculty of Information Technology (B.Sc.)
- Data Science and Analytics (DSA)

Faculty of Business Administration (B.B.A.)
- International Business Management (IBM)



GRADUATE PROGRAM

Faculty of Engineering
- Engineering Technology (M.Eng.- MET)

Faculty of Information Technology
- Information Technology (M.Sc. – MIT)

Faculty of Business Administration
- Innovative Industrial Management (M.B.A. – IIM)
- Strategic Planning and Management for Entrepreneurs (M.B.A. – SME)
- Japanese Business Administration (M.B.A. – MBJ)

DGE BACHELOR OF ENGINEERING IN DIGITAL ENGINEERING

Digital Engineering (DGE) is the 1st international program of the Faculty of Engineering. It commenced in academic year 2018. The convergence of mechanical and electronic engineering, coupled with intelligent embedded software, has fostered digitally innovative products and services, leading to increasing demand for digital system design using various emerging technologies. Digital engineers who are capable of integrating knowledge of Artificial Intelligence (AI), Internet-of-Things (IoT), System Integration (SI), Robotics, and Smart Automation are needed to meet the demand in government and industrial sectors, particularly in the Thailand 4.0 transformation era.

The DGE program includes fundamental courses involving Electrical and Electronics Engineering, Communications, and Computer Science. Specializations and core competency courses in the DGE program are divided into three concentrations: 1) Data Science and Analytics, 2) Mechatronics and Robotics, and 3) Digital Industry. The DGE curriculum is unique and differs from other universities. The list of subjects includes Artificial Intelligence Techniques, Intelligent Human-Computer Interaction, Industrial Robotics, Machine Learning and Data Analytics, Fog and Cloud Computing, Big Data Engineering, System Integration, and Internet-of-Things.

Students in the DGE international program are expected to be keen, knowledgeable, and skillful in digital technologies and have perspectives in economics, start-up entrepreneurship, and innovation management.

With well-equipped facilities and highly-experienced international faculty's members, the DGE program offers a potential alternative for students looking to become digital engineers and serves the technology-based society of the future.

The strengths of the DGE program include:
- Integrates fields of Electrical and Electronics Engineering, Communications, and Computer Science
- Differentiates from other universities with unique curriculums
- Implements project-oriented and problem-based teaching and learning systems

DSA BACHELOR OF SCIENCE IN DATA SCIENCE AND ANALYTICS

According to the quote "the Sexiest Job of the 21st century" by Harvard Business Review, data scientists are the most-wanted personnel and have the most highly paid jobs globally. A recent report on Big Data by McKinsey Global Institute projects a shortage of 1.5 million data scientists within the next decade. Furthermore, initiatives such as the Thailand 4.0 policy and continuous ASEAN Economic Community (AEC) collaboration promotes growing career opportunities for data scientists that require education of the Centennial generation to produce a skilled workforce in this field.

The Data Science and Analytics (DSA) program presents a new breed of multi-disciplinary fields of study, combining statistics and IT with visualization to make informed and strategic decisions in business. Our program aims to produce graduates of the next generation who can transform existing data of various sizes and forms into meaningful information that enhances strategic decision-making and sharpens competitive edge in future business operations. The graduates can not only join IT companies but can work in any industry that acquires massive volumes of data and requires advanced analytics and modelling.

Careers for graduates in this field include Data Scientist, Data Architect, Business Intelligence Analyst and Developer, Database Specialist, IoT and Wearable Product Analyst, Strategic Data Analyst, Social Network Analyst, Security and Forensic Data Analyst, Research Scientist, IT Consultant, and Entrepreneur/Business Owner.

The DSA curriculum comprises object-oriented programming, database management systems using SQL, and R and Python programming, the two most influential and popular programming languages in the data science community. In addition, students will learn data analytics and statistical modelling methods and apply these concepts to real business cases during big data analytics and data analytics for E-commerce courses. Moreover, students will utilize lessons from data visualization to communicate information quickly and clearly between data science team members and executive management. They will also learn how to develop and manage effective marketing and business strategies on social media. Our laboratory will incorporate practical industry tools and environments.

In conclusion, students in the DSA program will not only learn theories but also best practices using Monozukuri ways of teaching to transform data into insights, discover hidden patterns, and predict future trends to enhance business advantages.

The strengths of the DSA program include:

- The 1st of its kind at undergraduate level
- Offers multi-disciplinary fields of study, combining mathematics, statistics, computer science, and business
- Focuses on industries that will be the main engines of the digital economy under the Thailand 4.0 policy

IBM BACHELOR OF BUSINESS ADMINISTRATION IN INTERNATIONAL BUSINESS MANAGEMENT

The International Business Management (IBM) program offers a unique curriculum and experience for students. IBM has an extensive global reach, offering business operations courses in various global economic zones: Europe, America, Africa, ASEAN, China, and Japan.

The IBM program provides core undergraduate business courses that enhance both interpersonal and organizational skills through real-life and hands-on business experiences, which would facilitate students' readiness to face and work in dynamic and multinational business environments. The IBM program also implements innovative business models, strategic technology management, cross-cultural management, and creative business plans, some of which are unique to this institute. For example, TNI is the only institute in Thailand that enforces and promotes Monozukuri, the Omotenashi service method, and other social consciousness concepts.

The strengths of the IBM program include:

- Encompasses Marketing 4.0 and Digital Era
- Promotes business start-up initiatives
- Emphasizes Toyota Production System and Kaizen Method
- Implements Strategic Technology Method and Creativity & Idea Generation

In the IBM program, students are fluent in communicating in Thai, English and Japanese in a business context. TNI is the only higher education institute in Thailand that teaches and requires students to learn three languages.

Lastly, IBM has recently launched the 3+1 program, a collaboration with Southern New Hampshire University allowing students to earn a dual undergraduate degree.

VOICES FROM TNI ALUMNI

ADISA PRAPHANWORAKHUN (AM) AND CHAYANON CHAENGSUK (JOHN)
Faculty of Engineering
(Production Engineering: PE)
Partners of Filterfine Thailand Co., Ltd.

In collaboration with one of Malaysia's leading corporations, Adisa and Chayanon established a branch to supply industrial machines and components to the Thai market. Both parties shared a similar goal of success but they had different areas of valuable experiences gained from TNI. "Besides being awarded a scholarship to study at TNI, I discovered that the distinctive assets I acquired from TNI were not only strictly academic but also analytical and observational skills, cultivation of which was embedded in every subject offered here. Most importantly, although I had never learnt Japanese before, the university's pre-sessional courses prepared me to acquire linguistic skills. This increased my confidence and expanded my employment opportunities. Graduating from TNI gave me a better chance to find employment in leading Japanese and other companies. We were well-groomed with 'Monozukuri' and 'Kanban', the essential cultural principles in the workplace in Japan and the global stage," said Adisa.

"I realized Thailand is one of Japan's most active business hubs, therefore, my attitude toward Japanese enterprises had always been positive since I was in high school, so TNI automatically became my next destination. At TNI, my vision and knowledge have broadened and I've gained a Japanese perspective through several activities. For instance, entering the Karakuri Competition gave me the opportunity to stay in Japan for two weeks to learn and live in Japanese culture. My learning development progressed in parallel with my confidence as the university's profile among Japanese companies is highly reputable," said Chayanon.

CHARANPAT BOONYUNG (NAT)
Faculty of Business Administration
(International Business Management: IB)
Founder of Kawebook.com,
an online publishing website

Prior to his tremendous success in the past three years at TNI, Charanpat had no clear direction. "Realizing business would benefit my career path the most, I joined TNI. I appreciated the Japanese culture and technology and I was eager to improve my Japanese and English. TNI offered various opportunities to learn academically and to grow as a hands-on apprentice. This was possible through its integrated courses, including training with the institute's global partners. With the warm and supportive learning environment, teachers guided me in many promising directions, including the emerging e-commerce area. My fear of the complexity of international business gradually vanished. One of TNI's excellent modules is to grant scholarships and internships to students to learn and work in Japan.

My current business strategy was supported and inspired by my experience in Japan enabled through grants. I set up Kawebook.com to help Thai writers sell their novels online and to sell the rights to their novels to overseas markets.

PATCHARAWALAI METHAYODOM (MINT)
Faculty of Information Technology
(Business Information Technology: BI)
Currently working at
Toyota Boshoku Asia Co., Ltd.

"Compared to other career fields in the market, Business Information Technology is a niche. The experience gained from TNI not only polish our skills but also make us specialized and provide us more opportunities to pursue a career in this specific area. The university has a strong network among enterprises and BI graduates are in high demand, so I didn't hesitate to select SAP for my major. At TNI, additional IT courses were required to optimize our proficiency. We also needed actual practical skills training gained during internship in Japan in my senior year. Now I can seamlessly adapt this into my career in the working world. Once you set a course in this direction, endless opportunities arise. Moreover, my current employment offers me one-year training at Toyota Boshoku Corporation in Toyota City, Aichi Prefecture, Japan."

COLLABORATING UNIVERSITIES

TNI has signed MOUs with over 60 renowned universities, institutes, and organizations in Japan, ASEAN countries, and abroad where TNI students have the opportunity to join short- and long-term student exchange programs, as follows:

1. Aomori Chuo Gakuin University
2. Aso Juku
3. Baiko Gakuin University
4. Chiba Institute of Technology
5. Chiba University
6. Daido University
7. Eastern University, Bangladesh
8. Fukuoka Institute of Technology
9. Graduate Institute for Entrepreneurial Studies
10. Gunma University
11. Higashikawa Town
12. Hiroshima University
13. Ho Chi Minh City University of Technology, Vietnam
14. Hokkaido Information University
15. Hosei University
16. Institute of Technologists
17. Joinus English Language Academe, Inc. (Philinter Education Center)
18. Josai University
19. Kaetsu University
20. Kake Educational Institution
21. Kanazawa Institute of Technology
22. Kindai University
23. Kochi University of Technology
24. Kogakuin University
25. Kyushu University
26. Laos-Japan Human Resource Development Institute of National University of Laos
27. Lyceum of the Philippines University
28. Meiji University
29. Muroran Institute of Technology
30. Nagaoka University of Technology
31. Nagasaki University
32. Nagoya Institute of Technology
33. National Institute of Technology, Akita College
34. National Institute of Technology, Japan
35. National Institute of Technology, Kagawa College
36. National Institute of Technology, Miyakonojo College
37. National Institute of Technology, Nagano College
38. National Institute of Technology, Nagaoka College
39. National Institute of Technology, Tsuruoka College
40. NSG Group
41. Osaka Institute of Technology / Setsunan University
42. Osaka Prefecture University
43. Osaka University, Graduate School of Engineering Science / School of Engineering Science
44. Ritsumeikan University / Ritsumeikan Asia Pacific University
45. Salesian Polytechnic, Japan
46. Shibaura Institute of Technology
47. Shiga University
48. Shinshu University
49. Sophia University
50. Southern New Hampshire University, USA
51. Tohoku Gakuin University
52. Tohoku Institute of Technology
53. Tohoku University
54. Tohoku University, Graduate School of Economics and Management
55. Tohoku University, Graduate School of Engineering
56. Tokai University
57. Tokyo Denki University
58. Tokyo Keizai University
59. Tokyo Metropolitan Industrial Technology Research Institute
60. Tokyo University of Agriculture and Technology
61. Toyo University
62. Toyohashi University of Technology
63. Toyota Technological Institute
64. Universiti Teknologi Malaysia
65. University of Hyogo
66. University of Miyazaki
67. Yamagata University
68. Yokohama National University (The College of Business Administration)

TNI TRULY APPRECIATES ALL PARTNER COMPANIES AND DONORS FOR SUPPORTING US WITH SCHOLARSHIPS AND EQUIPMENT OVER THE PAST YEARS. THANK YOU ALL FOR YOUR CONTRIBUTIONS.

Bangkok Post creative SPECIAL PUBLICATIONS
ผู้จัดการอำนวยการผลิต กริม กนกเวชยันต์ | **บทความ** สำเร็จรูป/จุฑามาศ ทัดเทียมรมย์ | **ออกแบบรูปเล่ม** จีรวัฒน เครือสุคนธ์ | **ภาพ** วิสุทธิพงศ์ รอดบัย/สำเร็จรูป | **ผู้จัดการแผนกโฆษณา** ปัญชนิดา จันทรงชัย | **ผู้จัดการแผนกโฆษณาโพสต์ทูเดย์** เนตรนภา ข้าชัยภูมิ | **โทรศัพท์** 0 2616 4441 | **แฟกซ์** 0 2616 4488
หนังสือพิมพ์โพสต์ทูเดย์ มี บริษัท บางกอก โพสต์ จำกัด (มหาชน) เป็นเจ้าของ ผู้พิมพ์ ผู้โฆษณา และ**วุฒิ นนทฤทธิ์** เป็นบรรณาธิการ โดยมีสำนักงานตั้งอยู่เลขที่ 136 ถนน ณ ระนอง แขวงคลองเตย เขตคลองเตย กรุงเทพมหานคร 10110 | www.posttoday.com | 0861

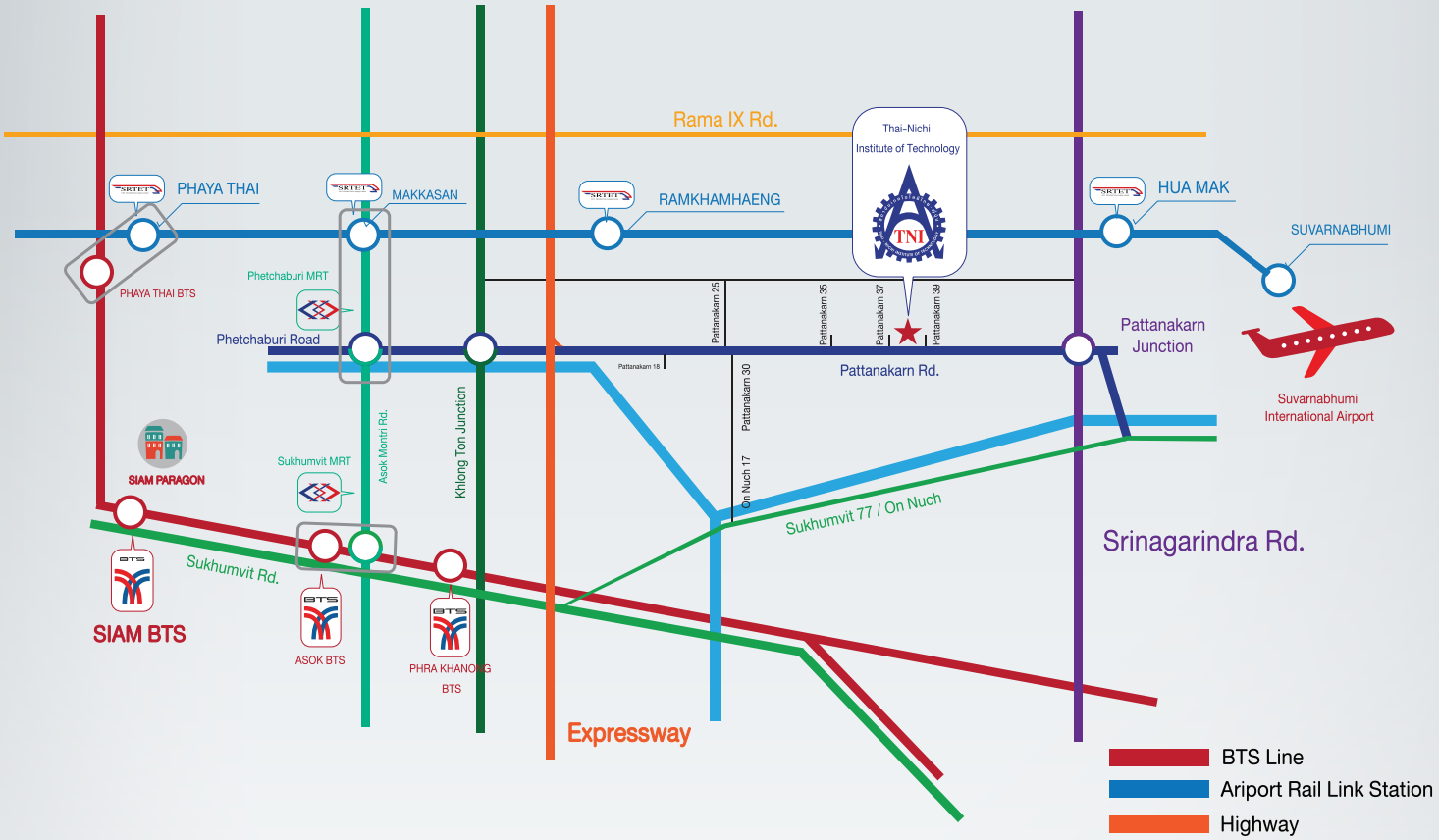
APPLICATION DOCUMENTS

- Application form with one passport-size photo
- One photocopy of Thai national ID card or Passport (for foreign citizen)
- Diploma or educational certificates:
  - One copy of most recent Grade Report showing at least 4 semesters
  - One copy of Certificate or Equivalent Grade Report certified by the Thai Ministry of Education (for overseas graduates)
  - One copy of GED or IGCSE certificate
- Standardized English Test results from TOEFL/TOEIC/ IELTS or SAT I/SAT II for those applying by standardized test score submission
- Payment of Application Fee: 1,000 Baht

APPLICATION REQUIREMENTS

Completed or studying in senior high school under the following conditions:

- Completed or studying M.6 from accredited Thai schools or equivalent
- Completed or studying Grade 12 as per U.S. education system
- Completed or studying Year 13 as per U.K. education system
- GED or IGCSE Certificate, equivalent to a high school transcript, must be submitted along with a certified transcript issued by the Ministry of Education and a student enrollment verificaion letter issued by the applicant's school
- For any qualifications other than the above-mentioned, please contact the Center of Admissions at tniinter@tni.ac.th



สถาบันเทคโนโลยีไทย–ญี่ปุ่น
Thai–Nichi Institute of Technology
泰日工業大学
สร้างนักคิด ผลิตนักปฏิบัติ สร้างนักประดิษฐ์ ผลิตนักบริหาร

THAI-NICHI INSTITUTE OF TECHNOLOGY
1771/1 Soi Pattanakarn 37-39, Pattanakarn Rd., Suan Luang, Bangkok 10250, Thailand
Tel: +66 (0) 2763 2600 | Fax: +66 (0) 2763 2606

ThaiNichi
TNIadmissioncenter
tniinfo@tni.ac.th
tniinter@tni.ac.th
www.tni.ac.th
Inter.tni.ac.th
Thai_nichi
@TNIsac