

佐賀大学大学院理工学研究科  
ASEAN と日本の共発展を目指す T 型高度人材育成プログラム (EPAT)  
AI・データサイエンス高度人材育成プログラム (EPAD)  
博士後期課程 (外国人留学生－在日)  
学生募集要項

**Guide for the Application for the Foreign Students of  
Education Program of Advanced T-shaped Person for Co-development  
of ASEAN and Japan (EPAT)  
and  
Education Program for AI and Data Science Specialists (EPAD)**

**(Doctoral Course)**

**October, 2024**

**April, 2025**

	Enrollment	Application Deadline	Examinations and Interview	Final Results
First application	October, 2024 or April, 2025	June 7, 2024	July 5, 2024	July 23, 2024
Second application	October, 2024 or April, 2025	July 25, 2024	August 22, 2024	September 10, 2024
Third application	April, 2025	October 30, 2024	November 15, 2024	December 24, 2024
Fourth application	April, 2025	January 21, 2025	February 28, 2025	March 10, 2025

Graduate School of Science and Engineering  
SAGA UNIVERSITY

## **Personal Information Use**

In accordance with the Act on the Protection of Personal Information and National University Corporation Saga University Personal Information Protection Regulation, personal information written on the application form submitted by applicants is utilized for educational purpose (including exemption of entrance and tuition fees, payment extension of entrance fee, and scholarship) as well as the selection of applicants by entrance examinations (including additional business such as statistical transaction).

Personal information possessed by Saga University is not utilized for different purposes from the aim denoted above, and is not provided to a third person without the applicant's agreement, except for the case prescribed by law.

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<p>THE FOREIGN STUDENTS OF EDUCATION PROGRAM OF ADVANCED T-SHAPED PERSON FOR CO-DEVELOPMENT OF ASEAN AND JAPAN (EPAT)</p>
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The Education Program of Advanced T-shaped Person for Co-development of ASEAN and Japan (EPAT) provides all lectures, seminars, and internships, etc. on global environmental, energy problems and health science expertise in English for both foreign and Japanese students. The EPAT is an educational course in the Graduate School of Science and Engineering and Graduate School of Advanced Health Science, Saga University, that started in October 2023, in order to nurture “T-shaped advanced human resources” who have a corporate perspective and AI data science besides a deep specialized research and development capabilities. This is a call for application to a three-year Doctoral Course from the academic year of October, 2024 and April 2025.

Environmental, energy and resource problems associated with rapid economic development are particularly serious in Asian countries, many of which are developing countries. For the sound development of developing countries, it is necessary to fully understand and analyze the challenges that Asian countries face, and to develop comprehensive technologies that also include management. EPAT will be established in the Graduate School of Science and Engineering and the Graduate School of Advanced Health Sciences in order to nurture “T-shaped advanced human resources” who have a corporate perspective and AI data science besides a deep specialized research and development capabilities. We aim to develop human resources who can demonstrate leadership in research and development related to the environment, equipped with specialized knowledge of science and engineering and medical engineering, a business perspective, and knowledge of AI and data science. We will contribute to the common development of ASEAN and Japan in order to solve energy and resource issues.

In the Doctoral Course program of the EPAT, education and research guidance of the fields are given in the Graduate School of Science and Engineering: Mechanical and Electrical Energy Engineering, Civil Engineering and Architectural Design and Biological and Material Engineering. Applicants are encouraged to decide the research fields and prospective relevant supervisor(s) appearing on the List of Academic Staffs, and contact with the supervisor(s).

Students who complete the Doctoral Course program of the EPAT are granted the Doctor’s Degree (Doctor of Philosophy in Science or Doctor of Philosophy in Engineering). The month of entrance is October, 2024 or April 2025, and they can enter the EPAT course immediately after completing their Master’s Degree program without learning Japanese language.

<p>GUIDE FOR THE APPLICATION FOR THE FOREIGN STUDENTS OF EDUCATION PROGRAM FOR AI AND DATA SCIENCE SPECIALISTS (EPAD)</p>
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The Education program for AI and Data Science Specialists (EPAD) provides all lectures, seminars, and internships, etc. on AI and data science technologies in English for both foreign and Japanese students. Students from overseas can learn and study completely in Japan without a hurdle of Japanese language. The EPAD is an educational course in the Graduate School of Science and Engineering, Saga University, that started in October 2022, in order to bring up global researchers and engineers who will contribute to technological innovation in AI and data science fields. This is a call for application to a three-year Doctoral Course from the academic year of October, 2024 and April, 2025.

The wisdom that mankind has created by the academic deepening has brought humanity a prosperous life through developing science and technology. To improve science and technology, it is necessary to sustain efforts from the viewpoint of AI and data science technologies. Educational study of AI and data science should be performed from the all-round and global viewpoint. The EPAD has been established in the Graduate School of Science and Engineering in order to discuss and solve AI and data science problems. The scope and goal of this EPAD is the education for students to possess an all-round insight for AI and data science from the global point of view after their completion by acquiring knowledge and thinking power.

In the Doctoral Course program of the EPAD, education and research guidance of the fields are given by the Mathematical and Information Science Course, Mechanical and Electrical Energy Engineering Course, Biological and Material Engineering Course in the Graduate School of Science and Engineering. Applicants are encouraged to decide the research fields and prospective relevant supervisor(s) appearing on the List of Academic Staffs, and contact with the supervisor(s).

Students who complete the Doctoral Course program of the EPAD are granted the Doctor's Degree (Doctor of Philosophy in Science or Doctor of Philosophy in Engineering). The month of entrance for foreign students is October, 2024 or April 2025 and they can enter the EPAD course immediately after completing their Master's Degree program without learning Japanese language.

## QUALIFICATIONS

\* For applicants who wish to enroll in April 2025, please replace "September 2024" with "March 2025".

1. **Nationality:** Non-Japanese citizens staying in Japan can apply for this program.
2. **Academic carrier:** The following candidates may apply for admission.
  - a. Those who have received Master's Degree from Japanese University as of September, 2024.
  - b. Those who have received a Degree equivalent to Master's Degree of Japanese Universities in foreign country, or will receive it in foreign country as of September, 2024.
  - c. Those who have received a Degree equivalent to Master's Degree of Japanese Universities from a foreign school through correspondence education in Japan, or will receive the Degree as of September, 2024.
  - d. Those who have received a Degree equivalent to Master's Degree of Japanese Universities at educational institutions of the foreign country in Japan, which is designated by the Minister of Education, Culture, Sports, Science and Technology of the Japanese Government, or will receive the Degree as of September, 2024.
  - e. Those who have been designated by the Minister of Education, Culture, Sports, Science and Technology of the Japanese Government.
  - f. Those who are 24 years old or more as of September, 2024, and are admitted by the Graduate School of Saga University as that their academic abilities are equivalent to or higher than Master's Degree of Japanese Universities upon reviewing the submitted materials.
- \* Those who intend to apply based on the terms e or f should submit the application form to the Entrance Examination Office of Saga University one month earlier than the application deadline.
3. **Language proficiency:** A good working level of English is required.

## TUITION EXPENSES

\* For applicants who wish to enroll in April 2025, please replace "September 2024" with "March 2025".

1. **Entrance examination fee:** 30,000 yen.  
(N.B. The entrance examination fee is not necessary for the applicant who will graduate the Master Course from this University in September, 2024.)
2. **Entrance fee:** 282,000 yen.
3. **Tuition fee:** 267,900 Yen for each semester (scheduled). [535,800 Yen per academic year (scheduled).]  
Amount of due might be slightly revised depending on the decision of the administration council.  
Payments must be done for each semester biannually within the beginning two months of the semester.  
For the information on the tuition assistance, exemption subsidization, and scholarships is available at the Benefits section in the following pages.

## SELECTION

1. Selection for admission shall be achieved by written and/or oral examinations on the selected major subjects and interview. All examinations and interview will be conducted in English on the date indicated on the cover page.
2. The final results of selection will be noticed to the applicant by a letter. It will be dispatched on the date indicated on the cover page.
3. A few students can be admitted.

## ADMISSION

1. Date of enrollment is October 1, 2024 or April 1, 2025.
2. Date of registration for admission: {First and Second application} Late September, 2024  
{Third and Fourth application} Late March, 2025

Details will be provided when you receive your acceptance letter. If the applicant does not register on these days, his/her admission shall be canceled.

- Admission shall be canceled if the applicant fails to receive the Master's Degree on or before September, 2024 or March, 2025.

## APPLICATION

\* For applicants who wish to enroll in April 2025, please replace "September 2024" with "March 2025".

- Applicants should prepare the following documents to be forwarded to the Entrance Examination Office, Saga University. Simultaneous applications for both EPAT and EPAD are acceptable. In the case of simultaneous applications, a comprehensive set of documents should be submitted for each application. However, it is acceptable to submit the original certificates for one program and the copy documents for the other program. In addition, the entrance examination fee must be paid for each application.

- Application Form** (Form A).
- Official transcript of **Master's degree** or certificate representing that the applicant will be conferred Master's degree by September, 2024. Official transcript of Bachelor's degree is required in the case that the applicant will be qualified by the criterion 2-e of **QUALIFICATIONS** described above. The transcript or certificate must be sealed by the authority or sent directly from the college. Original diploma is also acceptable; in this case the examination office may exemplify the diploma and the original may be returned at the office.
- Transcripts of **Academic Record** issued by university authorities and its English translation. (The criteria of academic assessment should be also shown.)
- English summary of **Master Thesis** or its equivalent if available, not exceeding four sheets of A4 size paper typed in double space. If a Master Thesis is not required by the University from which the applicant graduated, prepare a statement to this matter.
- Certificate of **Citizenship** issued by appropriate authorities.
- Recommendation and Reference**
  - A letter of Recommendation (Form B) from the head (Dean, in case of University) of the applicant's affiliated institution.
  - Letter(s) of Reference (Form C) from those who know the applicant's research/study capability addressed to the President of Saga University.

The letters of recommendation and reference should indicate the English proficiency of the applicant. Enclose, therein, a certificate indicating the scores of TOEFL or a corresponding English Ability Test, if any.

- Three **Photographs** (hatless portrait), 4.5 cm × 3.5 cm in size, taken within six months before the date of application. Two copies should be attached to the application form. One extra copy should be enclosed therein, with the applicant's name and nationality on the reverse side of the copies.
- Receipt for Entrance Examination Fee** (30,000 yen). (Except Japanese Government Scholarship Students)

Please pay the fee via Flywire. Fees for the remittance should be paid by the applicant. Please submit the receipt that can be downloaded after payment to Saga University, or print out a screenshot of the payment completion screen. Please refer to "PAYMENT THROUGH Flywire" (see page 12). Applicants who cannot use Flywire for any reason should email the Entrance Examination Office (see page 5).

Flywire (URL): <https://saga-u.flywire.com>

or scan:



If you have any questions, please contact Flywire:

Web: <https://www.flywire.com/support>

email: [support@flywire.com](mailto:support@flywire.com)

- Certificate of Registration as a Japanese Government Scholarship Student. (Japanese Government Scholarship Students only)
- All documents should be sent by registered mail and received by the Entrance Examination Office by the deadline indicated on the cover page.

### **Remarks**

- 1) The above documents should be type-written in English on A4 size paper.
- 2) Incomplete documents are not acceptable.
- 3) None of the documents submitted is returned to the applicant.

### **NOTES**

1. The applicant will be deprived his/her entrance under the following cases:
  - a. False statements on the documents.
  - b. Violation of the pledge.
2. Applicants are recommended to be well acquainted with the Japanese language, culture, customs, etc. A knowledge of the Japanese language is necessary in daily life.
3. Applicants are expected to complete their Doctoral Course Program within three years.

### **BENEFITS**

1. Exemption of tuition fee from complete to 50% may be granted depending on circumstances.
2. There are several scholarships for private-expense foreign students. Students can apply for these scholarships.
3. Housing: Students can apply to Saga University International House, or low-cost apartments supported by Saga prefecture and other organizations.

### **CORRESPONDENCE**

Any correspondence relating to the application should be sent by mail to the address below. Note that the application forms must not be submitted in any kinds of electronic form. Forms sent by facsimile and attached files on e-mail are not accepted in any occasion.

**\* If you have difficulty mailing your documents by the deadline, please contact us at the e-mail address below until the application deadline.**

**Entrance Examination Office**

**Saga University**

**1 Honjo-machi**

**Saga 840-8502, Japan**

**E-mail: (EPAT) [epat@mail.admin.saga-u.ac.jp](mailto:epat@mail.admin.saga-u.ac.jp)**

**(EPAD) [epad@mail.admin.saga-u.ac.jp](mailto:epad@mail.admin.saga-u.ac.jp)**

# ACADEMIC STAFFS ATTENDING EPAT COURSES AND THEIR RESEARCH INTERESTS AND MAJOR FIELDS

## GRADUATE SCHOOL OF SCIENCE AND ENGINEERING [DOCTORAL COURSE]

<b>Mechanical and Electrical Energy Engineering Course</b>			
<b><i>Thermo-Fluid Energy Engineering</i></b>			
<b>Laboratory of Thermal Engineering</b>			
Academic Staffs:	<b>Mitsutake, Y.</b>	<b>Kariya, K.</b>	<b>Ishida, K.</b>
Research Fields:	Thermodynamics, energy conversion, power plant systems, Heat exchanger, condensation, evaporation, absorption		
<b>Laboratory of Fluid Engineering</b>			
Academic Staffs:	<b>Kinoue, Y.</b>	<b>Shiomi, N.</b>	
Research Fields:	Turbomachinery, compressible fluid flow, effective utilization of fluid energy, multiphase flow		
<b><i>Material and Design Engineering</i></b>			
<b>Laboratory of Mechanics of Materials, Solid and Structures</b>			
Academic Staffs:	<b>Hagihara, S.</b>	<b>Tadano, Y.</b>	<b>Taketomi, S.</b> <b>Morita, S.</b>
Research Fields:	Strength of materials, Advanced solid mechanics, Computational mechanics, Numerical analysis for structures, Fatigue strength of metals and advanced materials		
<b>Laboratory of Design and Production Engineering</b>			
Academic Staffs:	<b>Hasegawa, H.</b>	<b>Mawatari, T.</b>	<b>Ohshima, F.</b>
Research Fields:	Design of machinery and machine elements, Tribology of machine elements, Surface engineering		
<b>Laboratory of Control Engineering</b>			
Academic Staffs:	<b>Sato, K.</b>		
Research Fields:	Control theory, robust control, adaptive control		
<b><i>Ocean Energy Engineering</i></b>			
<b>Laboratory of Ocean Engineering</b>			
Academic Staffs:	<b>Imai, Y.</b>	<b>Murakami, T.</b>	
Research Fields:	Wave energy conversion system, Marine hydrodynamics, Floating system		
<b>Laboratory of Thermal Engineering</b>			
Academic Staffs:	<b>Arima, H.</b>		
Research Fields:	Boiling heat transfer, two-phase flow, effective utilization of thermal energy		
<b>Laboratory of Thermal Energy Conversion Systems</b>			
Academic Staffs:	<b>Ikegami, Y.</b>		
Research Fields:	Ocean thermal energy conversion plant, development of thermal energy conversion system		
<b>Laboratory of Offshore Wind Energy Systems</b>			
Academic Staffs:	<b>Yoshida, S.</b>		
Research Fields:	Rotor aerodynamic, aero-elastics, floating offshore wind turbine, wind farm		
<b><i>Electronics, Information and Communication</i></b>			
<b>Laboratory of Advanced Microwave Engineering</b>			
Academic Staffs:	<b>Tanaka, Takayuki.</b>	<b>Nishiyama, E.</b>	
Research Fields:	Microwave circuits, Planar antennas, Wireless power transfer, Wireless communication systems		
<b>Laboratory of Advanced Computational Engineering</b>			
Academic Staffs:	<b>Itoh, H.</b>	<b>Fukumoto, H.</b>	
Research Fields:	Artificial general intelligence, Adaptive robots, Educational support system, Human interface		
<b>Laboratory of Advanced Optoelectronics</b>			
Academic Staffs:	<b>Guo, Q.</b>	<b>Tanaka, Tooru.</b>	
Research Fields:	Optoelectronic materials and devices (Light emitting diodes, Solar cells, etc), Epitaxial growth and characterization of semiconductors, Synchrotron light application for material characterization		
<b>Laboratory of Bionic and Cybernetic Engineering</b>			
Academic Staffs:	<b>Wakuya, H.</b>		
Research Fields:	Artificial Intelligence, Smart Robotic System, Biomedical Instrumentation		



<b>Advanced Power Electronics</b>	
<b>Laboratory of Plasma Energy Engineering</b>	
Academic Staffs:	<b>Ohtsu, Y. Ihara, S.</b>
Research Fields:	Plasma source for semiconductor manufacturing process, Thin film preparation, Dry etching process, High voltage engineering, Pulsed power engineering, Plasma engineering
<b>Laboratory of Surface and Interface Dynamics</b>	
Academic Staffs:	<b>Takahashi, K.</b>
Research Fields:	Synchrotron light application, Electron spectroscopy, Nano-scale materials
<b>Civil Engineering and Architectural Design Course</b>	
<b>Civil Engineering</b>	
<b>Laboratory of Geotechnical Engineering</b>	
Academic Staffs:	<b>Hino, T.</b>
Research Fields:	Theory and practice of geotechnical engineering prediction and prevention of ground disaster, Advanced geotechnical engineering, Advanced geo-environmental engineering, Geomechanics and rock engineering, Advanced soil mechanics
<b>Laboratory of Structural Engineering</b>	
Academic Staffs:	<b>Obiya, H.</b>
Research Fields:	Advanced earthquake engineering, Theory of basic and application of large scale structure systems, Advanced structural analysis, System analysis of structures, Advanced structural design, Advanced computational mechanics
<b>Laboratory of Construction Materials</b>	
Academic Staffs:	<b>Ito, Y.</b>
Research Fields:	Improvement of mechanical properties of construction materials, Utilization of waste materials, Advanced concrete engineering, Maintenance management of concrete structures, Development of inspection technique for concrete structure, Advanced geotechnical materials, Geotechnical materials engineering
<b>Environmental System Engineering</b>	
<b>Laboratory of Water Management System</b>	
Academic Staffs:	<b>Yamanishi, H. Narumol, V. Oshikawa, H.</b>
Research Fields:	Water resources engineering, Wastewater treatment systems, Computational hydraulics and remote sensing engineering for water environment, Water resources management, Water environmental systems engineering, Environmental systems engineering, Water pollution control systems, Advanced hydraulic network system planning, Planning theory on water environment
<b>Laboratory of Urban System and Environment</b>	
Academic Staffs:	<b>Li, H. Inohae, T.</b>
Research Fields:	Transportation system and planning, Urban development and urban systems, Residential environment evaluation, Prevention for urban disaster, Urban energy management, Urban environmental evaluation
<b>Architecture and Urban Design</b>	
<b>Laboratory of Urban Design and Architecture</b>	
Academic Staffs:	<b>Mishima, N. Goto, R. Miyahara, M.</b>
Research Fields:	Urban design and planning, Architectural design, Architectural planning, Land- and townscape design, Regenerative design of architecture and urban space, Preservation of historic environment, Regional disaster prevention plan
<b>Laboratory of Environmental Design for Architecture</b>	
Academic Staffs:	<b>Kojima, S. Nakaohkubo, K.</b>
Research Fields:	Building thermal environment, Urban thermal environment, Energy conservation of building environment, HVAC control for building environment

<b>Biological and Material Engineering Course</b>	
<b>Biomedical Engineering</b>	
<b>Laboratory of Intelligent Control Engineering</b>	
Academic Staffs:	<b>Goto, S.                      Sugi, T.                      Matsuda, Y.</b>
Research Fields:	Medical systems control, Plant systems control, Remote systems control, Mechatronic systems control and robotics, Reliability analysis for power plant, Control systems design
<b>Laboratory of Biosensors</b>	
Academic Staffs:	<b>Kimoto, A.</b>
Research Fields:	Intelligent-composite multisensors, Tactile sensors mimicking human perceptions, Non-invasive imaging with composite sensors
<b>Laboratory of Applied Computing</b>	
Academic Staffs:	<b>Muramatsu, K.</b>
Research Fields:	Numerical analysis of electromagnetic field, Optimal design of electromagnetic apparatus, Modelling of magnetic materials
<b>Laboratory of Fluid Engineering</b>	
Academic Staffs:	<b>Hashimoto, T.                      Sumi, T.</b>
Research Fields:	Compressible fluid flow, Effective utilization of fluid energy, Multiphase flow
<b>Laboratory of Smart Sensing</b>	
Academic Staffs:	<b>Khan, T. I.</b>
Research Fields:	Smart sensing of biomedical engineering dynamics, Acoustics and Diagnostics, Artificial Intelligence, Sensing systems control, Non-destructive testing
<b>Laboratory of Robotics and Computational Intelligence</b>	
Academic Staffs:	<b>Izumi, K.</b>
Research Fields:	Robotics, Mechatronics, Computational Intelligence, Machine learning
<b>Advanced Material Chemistry</b>	
<b>Laboratory of Functional Ceramics</b>	
Academic Staffs:	<b>Yada, M.</b>
Research Fields:	Education and studies on structural and functional ceramics, Advanced inorganic materials, Preparation of ceramics: solid state reaction, sol-gel process, reactive infiltration, Eco-friendly ceramics: luminescence materials for energy-saving, ceramic recycle and porous ceramics for environmental cleanup, Nano-size functional ceramics: nano-fiber, nano-tube, nano-composites, Ceramic composite
<b>Laboratory of Advanced Organic Materials</b>	
Academic Staffs:	<b>Takeshita, M.</b>
Research Fields:	Advanced supramolecular chemistry, Molecular design of advanced materials
<b>Laboratory of Environmental Chemical Engineering</b>	
Academic Staffs:	<b>Kawakita, H.</b>
Research Fields:	Separation and removal material preparation of metals, Modified saccharides and polysaccharides synthesis using enzymatic reaction
<b>Laboratory of Photoreceptor proteins</b>	
Academic Staffs:	<b>Fujisawa, T.</b>
Research Fields:	Photosensing, energy production, and luminescence of proteins, Vibrational spectroscopy, Vibrational optical activity
<b>Inorganic Materials Chemistry</b>	
<b>Laboratory of Coordination Chemistry</b>	
Academic Staffs:	<b>Koikawa, M.                      Yamada, Y.</b>
Research Fields:	Education and studies on synthesis, structure, and physical properties of metal complexes, Structural aspects of metal complexes, Basic coordination chemistry
<b>Organic Materials Chemistry</b>	
<b>Laboratory of Advanced Organic Materials</b>	
Academic Staffs:	<b>Narita, T.</b>
Research Fields:	Education and studies on syntheses, structures and properties of polymers and functional organic materials, Polymeric material sciences, Structure of organic thin films
<b>Laboratory of Advanced Biological Materials</b>	
Academic Staffs:	<b>Osada, S.</b>
Research Fields:	Synthesis and structure of biologically active peptides, Chemistry of ion channel forming peptides, Mechanism-based design and synthesis of enzyme or receptor inhibitors

<b><i>Environmental Physical Chemistry</i></b>	
<b>Laboratory of Physical Chemistry for Biological Molecules</b>	
Academic Staffs:	<b>Unno, M.</b>
Research Fields:	Molecular Spectroscopy, Biophysics of Photoreceptor Proteins
<b>Laboratory of Physical Chemistry of functionalized materials</b>	
Academic Staffs:	<b>Sakaguchi, K.</b>
Research Fields:	Functionalized carbon materials, Fabrication and evaluation of organic devices
<b>Laboratory of Bioelectrochemistry</b>	
Academic Staffs:	<b>Tominaga, M.</b>
Research Fields:	Bioelectrochemistry, Bio-fuel cell
<b><i>Environmental Chemistry and Engineering</i></b>	
<b>Laboratory of Environmental Chemical Engineering</b>	
Academic Staffs:	<b>Ohto, K.</b> <b>Morisada, S.</b>
Research Fields:	Advanced environmental chemistry

# ACADEMIC STAFFS ATTENDING EPAD COURSES AND THEIR RESEARCH INTERESTS AND MAJOR FIELDS

## GRADUATE SCHOOL OF SCIENCE AND ENGINEERING [DOCTORAL COURSE]

<b>Mathematical and Information Science Course</b>	
<i>Data Science</i>	
<b>Laboratory of Data Science</b>	
Academic Staffs:	<b>Minamoto, T.</b>
Research Fields:	Numerical Verification, Image Processing, Signal Processing, Digital Watermarking, Wavelet Analysis, Applied Mathematics, Data Science, Machine Learning
<i>Computer Science and Information Engineering</i>	
<b>Laboratory of Smart System</b>	
Academic Staffs:	<b>Matsumae, S.                      Nakayama, K.</b>
Research Fields:	Intelligent Informatics, Artificial Intelligence, Parallel and Distributed Algorithms
<b>Laboratory of Cyber Physical System</b>	
Academic Staffs:	<b>Fukuda, O.                      Okumura, H.</b>
Research Fields:	Artificial intelligence, Robotics, Intelligent sensing, Data science, Data visualization, Biological system, Remote sensing, Medical image processing
<b>Laboratory of Fundamental and Applied Informatics</b>	
Academic Staffs:	<b>Hanada, E.                      Hori, Y.                      Okazaki, Y.</b>
Research Fields:	Information/Communication Systems in Clinical medicine/Healthcare/Welfare, Hospital Facilities, Information and Systems in Education, Computational Science, Information network, Network security

<b>Mechanical and Electrical Energy Engineering Course</b>	
<i>Thermo-Fluid Energy Engineering</i>	
<b>Laboratory of Thermal Engineering</b>	
Academic Staffs:	<b>Mitsutake, Y.                      Kariya, K.                      Ishida, K.</b>
Research Fields:	Thermodynamics, energy conversion, power plant systems, Heat exchanger, condensation, evaporation, absorption
<b>Laboratory of Fluid Engineering</b>	
Academic Staffs:	<b>Kinoue, Y.                      Shiomi, N.</b>
Research Fields:	Turbomachinery, compressible fluid flow, effective utilization of fluid energy, multiphase flow
<i>Material and Design Engineering</i>	
<b>Laboratory of Mechanics of Materials, Solid and Structures</b>	
Academic Staffs:	<b>Hagihara, S.                      Tadano, Y.                      Taketomi, S.                      Morita, S.</b>
Research Fields:	Strength of materials, Advanced solid mechanics, Computational mechanics, Numerical analysis for structures, Fatigue strength of metals and advanced materials
<b>Laboratory of Design and Production Engineering</b>	
Academic Staffs:	<b>Hasegawa, H.                      Mawatari, T.                      Ohshima, F.</b>
Research Fields:	Design of machinery and machine elements, Tribology of machine elements, Surface engineering
<b>Laboratory of Control Engineering</b>	
Academic Staffs:	<b>Sato, K.</b>
Research Fields:	Control theory, robust control, adaptive control
<i>Ocean Energy Engineering</i>	
<b>Laboratory of Ocean Engineering</b>	
Academic Staffs:	<b>Imai, Y.                      Murakami, T.</b>
Research Fields:	Wave energy conversion system, Marine hydrodynamics, Floating system
<b>Laboratory of Thermal Engineering</b>	
Academic Staffs:	<b>Arima, H.</b>
Research Fields:	Boiling heat transfer, two-phase flow, effective utilization of thermal energy
<b>Laboratory of Thermal Energy Conversion Systems</b>	
Academic Staffs:	<b>Ikegami, Y.</b>
Research Fields:	Ocean thermal energy conversion plant, development of thermal energy conversion system
<b>Laboratory of Offshore Wind Energy Systems</b>	
Academic Staffs:	<b>Yoshida, S.</b>
Research Fields:	Rotor aerodynamic, aero-elastics, floating offshore wind turbine, wind farm

<b>Electronics, Information and Communication</b>	
<b>Laboratory of Advanced Microwave Engineering</b>	
Academic Staffs:	<b>Tanaka, Takayuki. Nishiyama, E.</b>
Research Fields:	Microwave circuits, Planar antennas, Wireless power transfer, Wireless communication systems
<b>Laboratory of Advanced Computational Engineering</b>	
Academic Staffs:	<b>Itoh, H. Fukumoto, H.</b>
Research Fields:	Artificial general intelligence, Adaptive robots, Educational support system, Human interface
<b>Laboratory of Advanced Optoelectronics</b>	
Academic Staffs:	<b>Guo, Q. Tanaka, Tooru.</b>
Research Fields:	Optoelectronic materials and devices (Light emitting diodes, Solar cells, etc), Epitaxial growth and characterization of semiconductors, Synchrotron light application for material characterization
<b>Laboratory of Bionic and Cybernetic Engineering</b>	
Academic Staffs:	<b>Wakuya, H.</b>
Research Fields:	Artificial Intelligence, Smart Robotic System, Biomedical Instrumentation
<b>Advanced Power Electronics</b>	
<b>Laboratory of Plasma Energy Engineering</b>	
Academic Staffs:	<b>Ohtsu, Y. Ihara, S.</b>
Research Fields:	Plasma source for semiconductor manufacturing process, Thin film preparation, Dry etching process, High voltage engineering, Pulsed power engineering, Plasma engineering
<b>Laboratory of Surface and Interface Dynamics</b>	
Academic Staffs:	<b>Takahashi, K.</b>
Research Fields:	Synchrotron light application, Electron spectroscopy, Nano-scale materials

<b>Biological and Material Engineering Course</b>	
<b>Biomedical Engineering</b>	
<b>Laboratory of Intelligent Control Engineering</b>	
Academic Staffs:	<b>Goto, S. Sugi, T. Matsuda, Y.</b>
Research Fields:	Medical systems control, Plant systems control, Remote systems control, Mechatronic systems control and robotics, Reliability analysis for power plant, Control systems design
<b>Laboratory of Biosensors</b>	
Academic Staffs:	<b>Kimoto, A.</b>
Research Fields:	Intelligent-composite multisensors, Tactile sensors mimicking human perceptions, Non-invasive imaging with composite sensors
<b>Laboratory of Applied Computing</b>	
Academic Staffs:	<b>Muramatsu, K.</b>
Research Fields:	Numerical analysis of electromagnetic field, Optimal design of electromagnetic apparatus, Modelling of magnetic materials
<b>Laboratory of Fluid Engineering</b>	
Academic Staffs:	<b>Hashimoto, T. Sumi, T.</b>
Research Fields:	Compressible fluid flow, Effective utilization of fluid energy, Multiphase flow
<b>Laboratory of Smart Sensing</b>	
Academic Staffs:	<b>Khan, T. I.</b>
Research Fields:	Smart sensing of biomedical engineering dynamics, Acoustics and Diagnostics, Artificial Intelligence, Sensing systems control, Non-destructive testing
<b>Laboratory of Robotics and Computational Intelligence</b>	
Academic Staffs:	<b>Izumi, K.</b>
Research Fields:	Robotics, Mechatronics, Computational Intelligence, Machine learning

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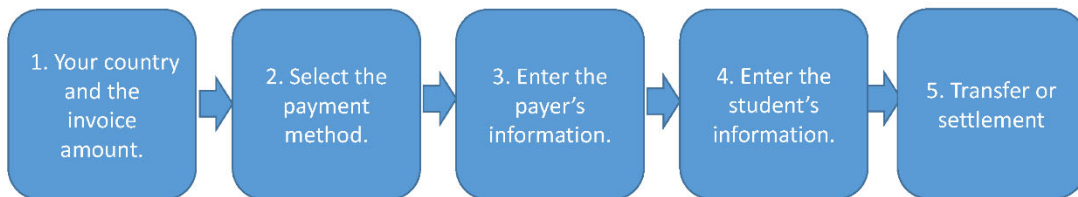
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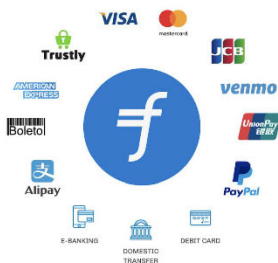
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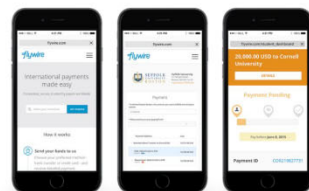
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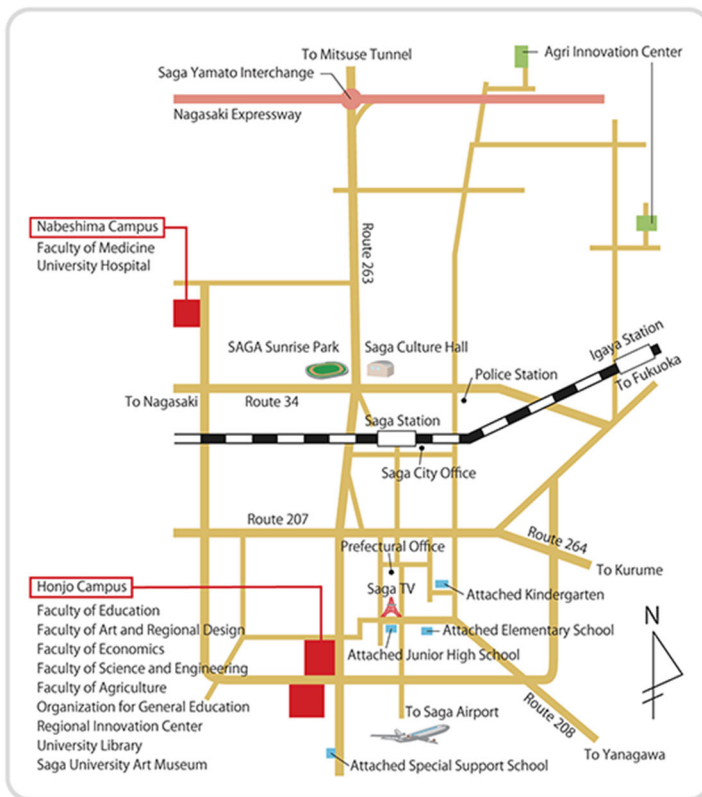
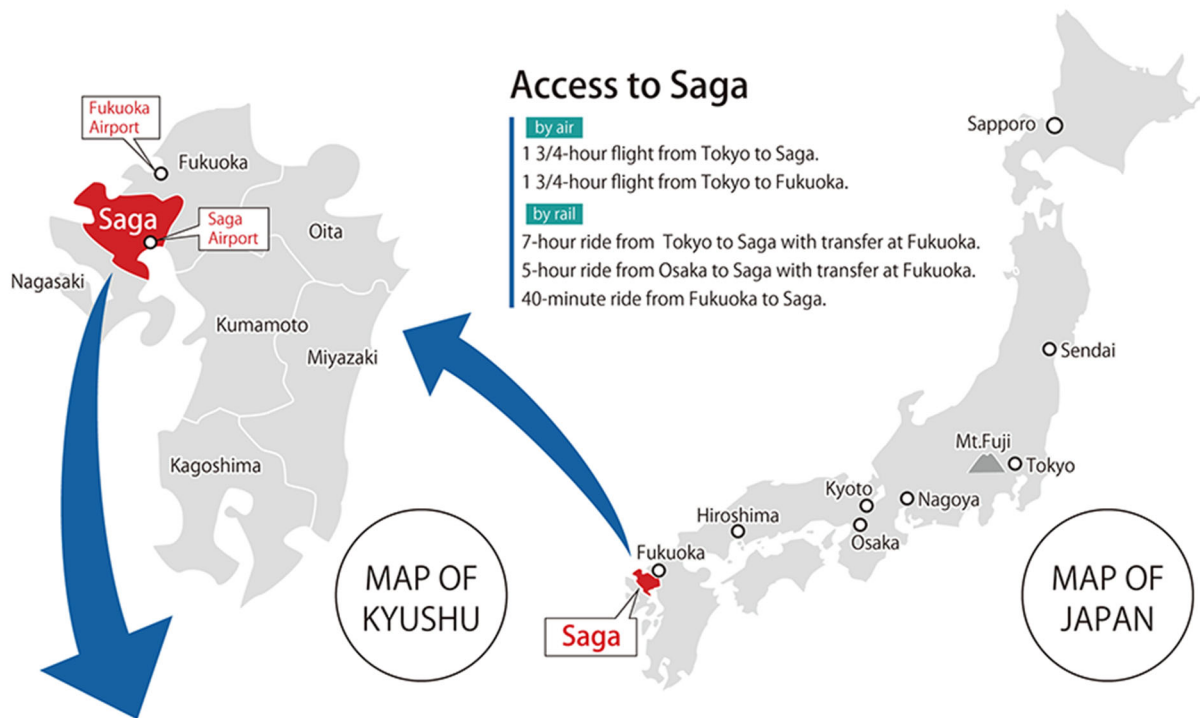


3) You can track payments every step of the way via email and text alerts

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# Access to Honjo Campus, Saga University



- To Nabeshima Campus from Honjo Campus **about 6.5Km**
- To JR Saga Station from Honjo Campus **about 4.0Km**
- To JR Saga Station from Nabeshima Campus **about 5.0Km**
- To Arita Station from Arita Campus **about 1.2Km**
- To Honjo Campus from Arita Campus **about 50Km**