Outline of the Top Global University Project (Type A) at Keio University

1. Proposal for TGUP at Keio University

Program Name
Enhancing Sustainability of Global Society Through Jitsugaku (Science)

Keio’s Aspirations for the Top Global University Project
Keio University will continue to educate the next generation of leaders who will play active roles on the world stage. Based on the spirit of Jitsugaku (science), an educational philosophy espoused by Keio founder Yukichi Fukuzawa, we will make positive contributions to world development as an institution of higher education that can propose innovative social systems to the world. By achieving this, Keio University will gain recognition as a top global research university among the world’s top 100 in the world university rankings.

Summary
The Top Global University Project at Keio integrates education and research in the humanities and sciences to enhance the sustainability of global society through Jitsugaku (science). Keio aims to strengthen ties with international academic communities and industry while making positive contributions to the world. In this way, we hope to bolster Keio University’s international reputation by building on our existing strengths and achievements. Specifically, under the integrative theme of Sustainable Development of a Super Mature Society, Keio has established three global initiatives: Longevity, Creativity, and Security.

The Headquarters for the Top Global University Project is currently consolidating University resources in each initiative to better support world-class education and research across the disciplines. Within each initiative, Keio will greatly improve its human resources management and educational systems; improvements include changes to the faculty salary policy, new cross appointment and tenure track positions, expanded degree programs offered in English, and a new visiting research co-advisor scheme for doctoral candidates. The University hopes that these human resources and academic policies will help increase international jointly authored research and the number of academic papers written in English, which in turn will lead to more citations and better representation of Keio's research abroad. The University will revamp its research information infrastructure in order to share its research findings with the world. This will enhance the University’s international presence and reputation for education and research, which are measured by the number of citations and worldwide reputation surveys.

In order to reinforce university governance and presidential leadership, Keio will establish the Global Advisory Council as well as a discretionary fund that the president can use to distribute swiftly and flexibly in order to accelerate reform. Presidential leadership will promote new initiatives in Keio University’s endeavors to become a world-leading research university.
Summary of 10-Year Plan

- Establishment of Keio’s Global Initiatives
  The University will launch the three initiatives of Longevity, Security, and Creativity to conduct transnational, transdisciplinary education and research to be shared with the world. These three initiatives form the basis of the Top Global University Project at Keio University.

- Expansion of Double/Joint Degree Programs
  As of 2014, Keio boasted 23 double degree programs with many leading universities around the world—the most of any university in Japan. The number of programs will increase to 35 in ten years’ time.

- Improving Overseas Research Hubs
  Keio has plans to expand its overseas research hubs from 3 to 15 in fields spanning the natural and social sciences, humanities, and medicine. The University plans to use these hubs to promote partnerships for global research and define Keio's position as a world-leading research university.

- Increased Employment of Foreign Faculty
  The proportion of foreign academic faculty employed under the annual salary system/cross-appointment system and Japanese faculty who have either conducted research or earned a degree at an institution overseas will increase to 67.5%, or over two-thirds of the total academic faculty. The University will effectively play to these individuals' strengths to promote organic internationalization of the University's education and research systems.

- Development of Degree Programs Offered in English & Increasing Inbound/Outbound Student Exchange
  The University will launch the Global Interdisciplinary Courses (GIC) Program, an English curriculum across Keio's undergraduate faculties and graduate schools. Each faculty and graduate school will expand upon the common GIC platform with its own specialized curriculum to increase the number of courses available in English, which will lead to an increase in the number of degree programs available to international students. Combined with newly designed short-term summer programs, Keio will greatly increase its international student population. Within the next ten years, the University aims to create an environment where all Keio students have international experience of some kind, through short-term and long-term study abroad, internships, or otherwise.

- Implementation of Initiative-based Human Resources Management
  The University will formalize visiting research co-advisor appointments, which have been piloted by Keio's All-Round Program for Leading Graduate School, making the appointments available to all graduate schools. Moreover, under this framework, the University will devise a system within each initiative that supports and encourages joint research and jointly authored papers with researchers from Keio’s partner institutions overseas. By 2023, foreign researchers will participate in doctoral candidates' research across the entire university.

  Additionally, the University will establish a tenure track system that employs around five foreign faculty members per initiative to be the catalysts for joint research and jointly authored academic papers. Tenure track candidates must be highly motivated to conduct research and author academic papers.

Defining Characteristics of TGUP at Keio University

- Giving Back Through Education/Research Findings
  Under the integrated theme of Sustainable Development of a Super Mature Society, Keio will create three global initiatives: Longevity, Creativity, and Security. The University will consolidate university resources within each initiative to conduct practical, globally-applicable education and research that transcend traditional disciplinary boundaries and integrate the natural sciences, social sciences, and humanities. The University will serve as a model of social service and contribution to the world and gain prominence as a top world-leading research university. The initiatives form a university-wide system for research where academic faculty members from Keio’s undergraduate faculties and graduate schools can engage in both basic and applied research.

- Global Interdisciplinary Courses (GIC)
  The Global Interdisciplinary Courses (GIC) Program, Keio’s first university-wide English curriculum across the undergraduate faculties and graduate schools, will offer general education and specialized courses in English in an environment where students of all nationalities from different faculties and graduate schools can learn together. Moreover, the GIC Program will incorporate activities from each of Keio’s global initiatives to foster students' ability to conduct research in English and author internationally relevant research.

Policies for International Collaboration

The University will utilize the cross appointment system and quarter system to invite foreign researchers and conduct international collaborations in research and education in capacities such as visiting research co-advisor. At the same time, Keio University faculty may also go abroad to serve as visiting research co-advisors for graduate students conducting research under foreign faculty and offer opportunities to advise joint research. This system will not only dramatically increase the mobility and international contributions of Keio's academic faculty, but will also make it possible to produce a new generation of academic researchers who are ready to succeed globally due to prior collaborative research and joint authorship.

Moreover, the University will work closely with its overseas partner institutions, who are some of Keio's most important assets, to promote the establishment of overseas research hubs for the purpose of collaborative research. The University will leverage its research and technological assets to form institutional relationships with universities and industries overseas that promote international collaboration. This signifies a move away from the volatility that researchers may experience when personally organizing joint research to a more stable mechanism that allows the University to provide the organizational support necessary to bolster new international developments. In addition to these measures undertaken by Keio University leadership, each undergraduate faculty and graduate school is also encouraged to pursue international collaborations of their own.
2. Keio's Current Progress Concerning Top Global University Project Initiatives (as of June 2015)

◆Common Performance Indicators for TGUP

International Initiatives

- **Platform for Keio Research Released**
  The Keio Research Highlights website was released as a platform to deliver the latest information about the innovative research and revolutionary findings in the natural and social sciences and humanities at Keio, thereby increasing Keio's international research presence. Visit the site: [http://research-highlight.keio.ac.jp/](http://research-highlight.keio.ac.jp/)

- **Establishment of All-English Global Interdisciplinary Courses (GIC)**
  The Global Interdisciplinary Courses (GIC) Center was established in 2014 to design the GIC Program, which started in April 2015. Keio's first university-wide curriculum conducted in English, the GIC Program is available to students across all of Keio's undergraduate faculties and graduate schools and will function as a platform that works towards developing courses which allow more students to study and graduate in English. The GIC Program launched with 13 Core Courses and 172 Research Courses that offer GIC credit.

- **A University-wide GPA Standard**
  Many of Keio's undergraduate faculties and graduate schools already use the grade point average (GPA) scale as an evaluation tool for advancement and graduation, academic advisement, scholarships and awards for academic excellence, and study abroad. In 2014, the University decided to formulate an institutional standard of evaluation to be implemented upon consensus among undergraduate faculties and graduate schools.

Governance Reforms

- **Appointment of Tenure Track Faculty**
  As defined by Japan's Ministry of Education, Culture, Sports, Science and Technology (MEXT), the “tenure track system” is a mechanism that enables young researchers to gain the experience needed to establish themselves in their field during a fixed term of service before obtaining a permanent tenure position. The research they produce during this period is strictly evaluated when considering them as candidates for tenure. While tenure track positions already exist within some undergraduate faculties and graduate schools, the University has now established “Regulations for the Top Global University Project Tenure Track System” in order to implement a university-wide tenure track system. As of Spring 2015, the University employs 36 tenure track faculty members, surpassing its tenure track target for 2020.

- **Establishing the Global Advisory Council**
  In 2014, the University established the Global Advisory Council (GAC), which acts as an advisory body to the Keio president, the university's head decision-maker. The University hopes to benefit from the expert opinions and international standpoints of GAC members, all of whom are presidents of distinguished universities overseas.

- **Establishment of a Presidential Discretionary Fund**
  The University has established a discretionary fund for the President to use swiftly and flexibly in order to inject funding and accelerate reform. This fund has made it possible for the University to prioritize and selectively consolidate resources on exceptional projects in need of funding. This fund helped bring together leaders from the business, academia, and government from throughout the Asia-Pacific region for candid discussions concerning key issues for the future of the Internet at the Association of Pacific Rim Universities' (APRU) Internet Business Offsite: “The Internet in the Asia-Pacific – Looking Ahead to 2025,” which was held from March 10-11, 2015, at Keio University.

Academic Reforms

- **Increased Number of Degree Programs Offered in English & Introduction of Third-Party Test Scores on Entrance Examinations**
  The Faculty of Economics has announced the “Programme in Economics for Alliances, Research and Leadership (PEARL),” a brand-new economics program offered entirely in English. The Faculty of Economics will begin accepting applications for the inaugural September 2016 admission in October 2015. This program, coupled with the Global Interdisciplinary Courses (GIC), will offer students a comprehensive education entirely in English, from general education requirements to areas of specialization. Designed to foster global economic leaders of tomorrow, PEARL equips students with a global perspective and a specialized knowledge of economics. PEARL students who qualify also have the opportunity to earn both their bachelor's and master's degree within a five-year period. Selection for the program will be based on overall academic readiness and English ability. Applicants' overall academic readiness will be evaluated using assessment tools such as the International Baccalaureate (IB) and SAT. English ability will be assessed using scores from the TOEFL, IELTS, and other approved third-party tests.

  Additionally, the GIGA Program, which was launched at Shonan Fujisawa Campus (SFC) in 2011 under the Faculty of Environment and Information Studies, will expand to include the Faculty of Policy Management in September 2015.
Keio University's Original Performance Indicators for TGUP

Visiting Research Co-Advisors
The University has developed a new scheme to invite researchers from abroad under a cross-appointment system as visiting research co-advisors to advise doctoral candidates. During a short-term pilot program in late 2014 and early 2015, the University invited over thirty visiting research co-advisors. In a post-pilot survey that reviewed outcomes of advisement, all parties involved—primary advisors, visiting research co-advisors, and doctoral candidates—expressed a high degree of satisfaction with the scheme. The University hopes to build enduring relationships with visiting research co-advisors who will contribute to joint research, joint editorship, and/or joint authorship with Keio's academic faculty and doctoral candidates, thereby helping to raise Keio's international reputation in the future.

Research Growth
In 2014-2015, Keio's research greatly exceeded many of its research targets. For example, the total amount of commissioned research grew 23% to 64 billion yen, and the total number of domestic/foreign patents grew 53% to 988. The University also established a hub for collaborative research with the U.S. National Institute on Aging, a world leader in aging and longevity research.

Double Degrees & Joint Degrees
The University added three new double degree programs to bring the total number of double degree programs to 26—more than any other university in Japan. This surpasses Keio's target for 2016. The three new programs are between the following:

- Graduate School of Economics and Bocconi University;
- Graduate School of Science and Technology and the Free University of Brussels; and
- Graduate School of Science and Technology and Université catholique de Louvain.

Keio continues to promote active collaboration in education and research with universities overseas.

Keio's Global Initiatives
In 2014-2015, the University launched the three transdisciplinary initiatives of Longevity, Security, and Creativity. Kick-off symposiums for each initiative marked the beginning of advanced education and research within and between initiatives. As of June 2015, research centers for each initiative have been set up within Keio Advanced Research Centers (KARC) with a total of nine initiative-based research projects currently selected to receive internal research funding. This research will serve as the basis to attract other research projects and obtain external research funding to invite exceptional researchers from overseas for joint research. Keio expects to attain better international visibility by publishing high-quality papers jointly authored with international researchers and ultimately boost the University's international dimension.

Partnerships with Universities Overseas
In 2014-2015, Keio University leadership played a leading role in strengthening ties with universities overseas by instating a pilot cross-appointment scheme for visiting research co-advisors, establishing the Global Advisory Council (GAC), and developing new overseas research hubs. Keio’s faculties and graduate schools have also driven efforts to strengthen collaboration with universities abroad. One of these programs is the “Joint Project Based Global Learning” between Master's students at Keio Media Design (KMD) and the Stanford University’s Graduate Schools of Engineering and Education. This program gives students the opportunity to engage in a short-term collaborative project related to the application of new media and involves two-week stays at both Stanford University and KMD. Faculty members from each participating graduate school are appointed as project advisors. Though brief in duration, students encounter the distinctive educational methods of each of the graduate schools and experience the cultures and lifestyles of both the Silicon Valley and Tokyo. The program is intended for students to take their first steps on the road to global citizenship.

Commemorative Events

- Keio Delegation to Harvard University: Celebrating 125 Years Since the Establishment of the First University Departments at Keio

The history between Keio and Harvard dates back to 1890, when then-President of Harvard, Charles Eliot, nominated three professors to head Keio’s first three university departments of literature, economics, and law. To celebrate the 125 years since the first departments were established, a Keio delegation to Harvard in March 2015 was made possible with the cooperation of Harvard’s Reischauer Institute of Japanese Studies and the Program on U.S.-Japan Relations, the Weatherhead Center for International Affairs.

President Seike met with Harvard President Drew Faust before giving a lecture as part of Keio’s Longevity Initiative, titled “Japan’s Aging Society and the Role of Higher Education,” to a large audience which included many researchers and students. At the reception that followed, researchers from both institutions discussed opportunities to strengthen the Harvard-Keio relationship through joint research and academic exchange. Many Harvard students also showed a keen interest in studying in Japan at the information sessions held by Keio staff the following day.
The Top Global University Project at Keio University in AY2015-2016

Project-wide Performance Indicators and Target Goals

International Initiatives

Establishment and Operation of All-English Global Interdisciplinary Courses (GIC)

The Global Interdisciplinary Courses Program started in earnest across undergraduate faculties and graduate schools in AY2015-2016. As of May 1, 2016, a total of 1,162 students are enrolled in 75 core courses established within the GIC Center. This total increases to 8,337 students enrolled in 471 courses when all other GIC courses (international center courses, research courses, etc.) are included. We expect even higher enrollment with the incoming class in Fall Semester. The GIC Program is Keio’s first university-wide curriculum conducted almost entirely in English and is available to students across all of Keio’s undergraduate faculties and graduate schools. It functions as a platform for English-language courses that allows more students to graduate entirely in English.

International Student Dormitories

Keio has gradually added international housing with the increase in international student numbers, and in March 2016 the university opened the doors to the Okurayama Dormitory, the university’s newest housing complex designed with international students in mind. In March 2017, Hiyoshi International Dormitory*, the university’s first attempt at a truly international dormitory, is slated to open. Additionally, Keio has plans to open another international student dormitory at Tsunashima Sustainable Smart Town in Yokohama by March 2018.

Increasing International Partner Institutions

In 2014, the total number of partner institutions at Keio University was 261. This number includes both department-level and university-wide partnerships for academic exchange and joint research. As of May 1, 2016, this number has increased to 310. As partnerships continue to thrive and grow, Keio has placed particular emphasis on increasing the number of exchange students through university-wide agreements by partnering with selective institutions abroad, which are limited to the most selective universities in the world. Partnership agreements are signed only after confirming real possibilities for exchange, and, as a result, we have experienced a steady but incremental net increase in student exchange numbers. Moreover, Keio is committed to strengthening its relationships with current partners by revisiting former agreements and negotiating increased student quotas.

Governance Reforms

Development of a Medium-Term Plan

Keio has raised objectives and guidelines for a medium-term plan, which formed the basis for individual policies established as short-term measures. Keio’s selection for the Top Global University Project made the institution reflect on what Keio should look like by the end of the project in 2023 and resulted in the Keio Vision for 2023, which divides the years up to 2023 into three periods. First unveiled in 2015, the plan is in the midst of the first of these periods. This first period, dedicated to promoting the Top Global University Project at Keio, focuses on communications, internationalization, and personnel system reform. Keio has committed to a proactive communications strategy in order to better convey its interdisciplinary, international strengths in advanced education and research, which are firmly rooted in the three initiatives of Longevity, Security, and Creativity.

Academic Reforms

Development of Short-Term Programs

The development of short-term programs is underway to increase the number of international students who come to Keio. Thesis@Keio, a program geared towards graduate students, began in 2015. Graduate students at the master’s or doctoral level who are accepted to the program are allowed to conduct research at Keio and gain access to university resources. They may conduct fieldwork and interviews and receive advisement from Keio faculty members for their research. This new system provides students from other universities direct access to Keio academic faculty in order to further their research while Keio benefits by building an international academic network with talented graduate students and early-career researchers from abroad. Additionally, numerous new programs are slated for Summer 2016 and beyond across many different faculties and graduate schools.

PEARL Applications Begin

The Faculty of Economics began accepting applications for the “Programme in Economics for Alliances, Research and Leadership (PEARL),” a brand-new economics program offered entirely in English. The university has received a large volume of applications from students of various backgrounds from Japan and abroad. As of June 2016, inaugural applicants are finishing their final admissions procedures.
University-specific Performance Indicators and Target Goals

Improving and Increasing Overseas Research Hubs

Keio is dedicated to building an environment that makes it easy to deliver world-leading research findings and promote international joint research. The university is enhancing collaboration with research hubs abroad to improve its visibility abroad and increase its number of internationally co-authored publications. Since 2014, Keio has increased its number of research hubs abroad from four to sixteen. The university will continue to increase these hubs in both quality and quantity and provide the high degree of mobility essential to successful joint research.

International Partnerships (As of May 1, 2016)

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Visiting Research Co-Advisor Scheme in Full Swing

The university commenced full operation of its cross-appointment scheme to employ researchers from abroad as visiting research co-advisors to advise doctoral candidates at Keio. In AY2015, Keio welcomed a total of 60 co-advisors. Just as the year before, all parties involved—main research advisors, visiting research co-advisors, and doctoral candidates—expressed a high degree of satisfaction with the scheme. Several joint research and co-authored papers have been or are currently in the process of being published. The university expects their contributions will have a positive impact on citation and ranking indices.

Expanding Global Visibility

Communicating Keio Research Better Than Ever

In November 2015, Keio implemented Pure, a researcher information system made by Elsevier, to announce the findings and contributions of Keio research to the world. The research findings of full-time academic faculty recorded on Scopus, the world’s largest abstract and indexing database of research information, are released on Pure. Making this information readily available to other institutions and researchers, especially those abroad, joint research.

Keio Ageing Week

Keio Ageing Week was held from Sunday, October 4, to Friday, October 9, 2015. Organized by Keio University with the collaboration and cooperation of various organizations, including the World Economic Forum (WEF), the World Health Organization (WHO), and Osaka University, the week consisted of an international conference and various events including lectures focused on healthy ageing, or more specifically, exploring solutions to challenges related to an ageing society. World-leading researchers convened to discuss issues related to a super-ageing population and cognitive decline as part of Keio University’s ongoing research on longevity, one of Keio’s global initiatives and a field in which Keio has long had a strong reputation. This meeting provided new insights needed to spark joint research on building a society that can cope with an ageing population through ongoing interdisciplinary and international research.
4. The Top Global University Project at Keio University in AY 2016

- Project-Wide Performance Indicators and Target Goals

**Internationalization**

- **Courses Delivered on FutureLearn**
  Keio University signed a Course Distribution Agreement with FutureLearn, the UK-based MOOC provider, making it an official member and the first from Japan to join the platform. In the 2016 academic year, two courses were provided: "Japanese Culture Through Rare Books" which looks at Japanese culture through writings from the earliest period in which books were written in Japan (8th century) to the Meiji Period (1868–1912), and "An Introduction to Japanese Subcultures" in which students study Japanese youth culture from the 1970s onwards. Both courses were taken by many people from around the world and received good reviews.

- **Hiyoshi International Dormitory Opened**
  At the Hiyoshi International Dormitory, international students from around the world and Japanese students live together in units. It is Keio’s first dormitory of this type, which is designed to allow students to interact and learn from each other on a daily basis to foster international mindedness. There are a total of 200 rooms (4 students per unit × 50 units) in the building. Each unit contains four highly soundproof private rooms (two for Japanese students and two for international students) and a shared living space, shower room, and wash basin. This setup ensures that the students have both their own private space and a space for interaction. Furthermore, there is a courtyard, meeting room, lounge, etc., where they can plan various exchange activities by themselves. A shared kitchen, dining room, a large communal bath, laundry room, etc., are also available inside the facility for students to use.
  Two additional international dormitories, the Motosumiyoshi International Dormitory (tentative name) in Nakahara Ward, Kawasaki City and Tsunashima SST International Dormitory (tentative name) in Kohoku Ward, Yokohama City, will open in March 2018. When these are open, Keio University will operate 10 dormitories with a total capacity of 1,524 residents.

**Governance Reforms**

- **Development of a Medium-Term Plan for the Second Period**
  Following on from the medium-term plan for the first period, a three-year medium-term plan for the second period, from the 2017 to 2019 academic years, was developed and announced. The medium-term plan for the first period focused on communications, internationalization, and personnel system reform. It was decided to continue focusing on these three areas to promote the Top Global University Project at Keio University, but the medium-term plan for the second period also makes reference to concrete numerical goals. In order to achieve the various goals that center on globalization, the medium-term plan, which is designed to bring about the university’s progress in stages, will be bold and steadily implemented.

**Academic Reforms**

- **Law School: Master of Laws (LL.M.) in Global Legal Practice**
  In addition to its existing Juris Doctor (J.D.) program, Keio Law School (KLS) launched a new Master of Laws (LL.M.) program in Global Legal Practice. This new program will permit a select number of students to obtain an LL.M. degree in one year, with instruction entirely in English, and is the first of its kind offered at a law school in Japan. The LL.M. program welcomes lawyers who aspire to work globally and legal staff of global corporations and international institutions. It also welcomes Japanese lawyers and law school graduates who wish to improve their practical skills using English, international students who are interested in Japan and Asia, and university graduates who wish to work in an international institution in the future.

- **Partnership with Washington University in St. Louis**
  The McDonnell International Scholars Academy partnership agreement was signed between Washington University in St. Louis (WUSTL) and Keio University.
  The McDonnell International Scholars Academy is managed directly by the chancellor of WUSTL and provides scholarships and an educational experience at WUSTL to talented students from around the world who have the potential to become future leaders in academia, government, and the corporate world. Currently, it has partnerships with more than 30 universities in 20 countries, and its partner universities in Japan are the University of Tokyo and Keio University.
  Keio students selected for the McDonnell International Scholars Academy program are expected to develop into future leaders who will thrive and compete on the global stage.

- **PEARL Launched**
  The Faculty of Economics launched the Programme in Economics for Alliances, Research and Leadership (PEARL), an all-English degree program, in September 2016. Admission to this program is limited to 100 students. During its first three application periods, over 300 applications were received and 99 students were admitted to the program (including students from affiliated schools). For entry in 2017, over 350 applications have been received in just the first two application periods.
University-Specific Performance Indicators and Target Goals

Expansion of Double Degree Programs

A double degree agreement between the Faculty of Business and Commerce and ESSEC Business School in France, and another between the Law School and the University of Washington School of Law in the US brings the total number of double degree programs to 28. Keio and ESSEC enjoy a long-standing history of exchange going back more than 30 years, and there is currently already a double degree program between ESSEC and the Keio University Graduate School of Business Administration. At the Law School, the Master of Laws program in Global Legal Practice has become a central program, like at the University of Washington. There are plans to develop a curriculum that takes into account studying for an LLM abroad as well as obtaining legal qualifications overseas through the signing of double degree agreements with other partner law schools in the US and other countries.

Expanding Global Visibility

Keio University Global Research Institute Established

The Keio Global Research Institute (KGRI) was established on November 1, 2016 as a base to facilitate the further globalization of the university and become an international research university that can contribute to the betterment of society. KGRI will collaborate closely with Keio’s academics and researchers whose work is related to the three transdisciplinary initiatives of Longevity, Security, and Creativity, and extensively share these research findings with the international community.

World’s First InterNational Cyber Security Center of Excellence (INCS-CoE) Established

In November 2016, Keio University established the world’s first InterNational Cyber Security Center of Excellence (INCS-CoE) in collaboration with US, UK, and Japanese universities. Researchers from 13 universities, five from the US, four from the UK, and four from Japan, have been invited as members. Cyberspace is effective and unique in that it is a borderless environment, but this also makes it difficult for any one nation or organization to adequately monitor and take countermeasures against cyberthreats. It is essential, now more than ever, to strengthen and advance international collaborations to collectively address and solve these issues. INCS-CoE’s initial mission is to make use of the neutral environment that universities are known to provide to contribute a space that allows researchers to take on challenges and work on issues that span beyond organizational and national confinements. The future goal of INCS-CoE is to expand outwards to a multi-stakeholder environment, collaborating internationally with governments, academia, and corporations.

Research-Intensive Universities from around the World Voiced the Need for Continued Support for Frontier

The “Global Network of Research-Intensive University Networks: 2016 International Annual Meeting” international conference was held at Keio University’s Mita Campus for two days from November 7 to 8, 2016. The purpose of this conference was to bring representatives from research-intensive university networks from different countries and regions of the world together to discuss common issues, and work towards solutions through mutual collaboration, RU11 (Japan), of which Keio University is a member, has been part of this global network since 2014. In addition to RU11 members, approximately 30 representatives from networks including AEARU (East Asia), C9 + HK3 (China), German U15, Group of Eight (Australia), LERU (Europe), and U15 Canada participated. Keio University, which is in charge of international matters of RU11, hosted and chaired the conference.

At this conference, which was held in Japan for the first time, it was reaffirmed that although it has become more difficult worldwide to get research funding, research-intensive universities are playing a vital role to create innovation and to contribute to the growth of the world economy. Through the release of the Tokyo Statement, an appeal to governments of member institutions was made to make sufficient long-term investments in cutting-edge frontier research.

[International Partnerships]

The university added two new double degree programs to bring the total number to 28, 13 new universities with agreement on academic linkage and collaboration to bring the total to 323, and four new overseas research hubs to bring the total number to 20. The university is working to further strengthen individual exchange between researchers by making these agreement-based international joint researches between the organizations. In November 2016, a joint workshop on the topic of Longevity was held at King’s College London (KCL) in the UK. A total of 18 researchers from KCL and Keio University who work in different fields, such as medicine and economics, participated in the event. In addition, President Seike gave a talk about Japan’s ageing society. Similar activities have been carried out at other overseas universities Keio University visits and it is believed that these efforts will lead to stronger partnerships in the future.

Other Activities

Study Abroad Program for Keio’s Affiliated Schools

This program sends excellent students from Keio’s five affiliated high schools to study abroad for one year at a prestigious boarding school in the US or the UK. Students are screened by both the high schools and host schools and those selected are awarded scholarships to cover tuition and other fees at the host school.

The program was launched in 2014, and in July 2016 a debriefing meeting was held with members of the first group of students who participated in the program. It was apparent that by living with the brightest students from around the world and interacting with them through studying and extracurricular activities, the students were able to not only improve their English, but gain new perspectives and the ability to proactively take action and seek new challenges. It is hoped that these students will create a ripple effect of inspiration among their classmates.
5. The Top Global University Project at Keio University in AY 2017

Project-wide Performance Indicators and Target Goals

International Initiatives

Enhancing Overseas Partnerships
We are working to enhance our partnerships with overseas universities and research institutions centered on the Keio Global Research Institute (KGRI), which was established in November 2016. Keio research teams visit overseas universities and deploy projects such as the "Keio Caravan" in every region of the globe through exchange with counterpart researchers, to build collaborative relationships in education and research. These projects are facilitating steady outcomes, such as the conclusion of a collaborative research agreement with the Einaudi Center for International Studies in Cornell University in March 2018.

Opening of International Student Dormitories
In March 2018, two new international student dormitories, the Motosumiyoshi International Dormitory and Tsunashima SST International Dormitory, both located in the vicinities of Hyoshi Campus, were opened. Both facilities allow students from around the world and from Japan to live together and learn from and interact with one another to hone an international mindset. Between the two dormitories there are a total of 319 single-residency dormitory rooms. One of the dormitories, the Tsunashima SST International Dormitory is located in the next-generation smart town, Tsunashima Sustainable Smart Town (Tsunashima SST). Electricity for the dormitory is supplied by an energy center in the town, and Tsunashima SST is also uniquely characterized by being partially run on solar energy. It is anticipated that the exchange studio in the first-floor town management center will go on to become a base for collaborative research between Keio and Panasonic as well as with the local area. This studio is intended to be a hub for SST experimental facilities which will facilitate cutting-edge demonstration experiments.

With this, Keio University now has a total of 10 student dormitories with an overall capacity of 1,524 residents. There are ongoing plans to strategically maintain and expand Keio University’s international dormitories to ensure the seamless hosting of students from countries throughout the world, the numbers of which are increasing year-on-year, and to enhance Keio’s global outlook.

Governance Reforms

The Global Engagement Office
The Keio University Office for the Top Global University Project; the KGRI Office; the Planning Section, Office of the President; and functions for promoting international public relations and global ties have been strategically integrated, and a reorganization to officially institute mutual allocation and sharing of duties has been implemented. This agenda takes in the integration of education, research, and informational content; improving international public relations content; and the enhancement of brand management. Further, the mid-term plan for the 2018 academic year lays out particulars for the planned establishment of the Global Engagement Office (provisional name), which will optimize the effects of this structural reorganization, and encourage closer ties and more flexible administrative responses. Preparations towards implementation of this plan have now begun.

Academic Reforms

Questionnaire Survey on Global Interdisciplinary Courses (GIC)
The Global Interdisciplinary Courses (GIC) has gotten on track and increased its number of registered students since its inception in the 2015 academic year. A questionnaire survey focusing on the approximately 70 core subjects offered as part of the course was conducted this year to mark the three years which have passed since GIC began.

Survey Questions
1. Could you understand the English in classes?
2. Were classes in line with your expectations?
3. Was the content of the classes international and transdisciplinary as per the GIC objectives?
4. Would you rate this class as worthwhile overall?

Approximately 90% of students surveyed responded with 4. or 3., which indicates a high degree of satisfaction with the classes being deployed. Meanwhile, in terms of class administration, ongoing challenges such as disparities in the levels of participant student English proficiency and the relative English proficiency of educators have also been identified.

Renewing International EQUIS Accreditation
On June 17, 2017, the Keio University Graduate School of Business Administration was reaccredited under the European Quality Improvement System (EQUIS) as issued by the European Foundation for Management Development (EMFD; headquarters Brussels), a body which evaluates the global quality of management education. This is the second renewal of the accreditation, following the renewal in 2014. Both the EQUIS reaccreditation and accreditation by the Association to Advance Collegiate Schools of Business (AACSB), an American organization for the evaluation of education standards, first granted in 2000 (since renewed), indicate the widespread international recognition for the quality of education and research at KBS, as well as for the activities of faculty members, current students, and alumni.
University-specific Performance Indicators and Target Goals

Expansion of the Visiting Research Co-Advisor Scheme

This scheme, which has been in place since the Top Global University Project commenced, this year again successfully invited many researchers from abroad under a cross-appointment system, in the capacity of visiting research co-advisors advising doctoral candidates. While short-term anticipated outcomes include the generation of internationally-visible academic papers, since the 2018 academic year, the call for applications under this scheme has expanded its scope to include implementation of classes and workshops in graduate schools which give consideration to internationalization in the mid- to long-term. This will facilitate master’s-level students also having access to tuition by visiting research co-advisors.

Enhancing Keio’s Reputation Abroad

Global Dissemination of Information by KGRI (Research PR)

New international public relations projects have been initiated by the Keio Global Research Institute (KGRI) to provide the infrastructure for renewed progress facilitated by internationalization of the university’s activities and to allow Keio to become a research university capable of contributing globally. One of these projects is called Research Frontiers. Research Frontiers introduces video clips in which researchers give simple summaries in their own words of the latest research papers which have been released into the world, in order to facilitate deeper understanding of the research and researchers. Subsequently, by directly targeting this information to the media, journalists, and researchers in every region of the world, rather than only putting it on the web, we have begun to see its inclusion on a myriad of news sites, with enquiries also now beginning to be fielded from overseas.

Transfer of APRU-Aging Research Hub Functions

Jurisdiction for the Population Aging Program (PAP) of the Association of Pacific Rim Universities (APRU) has now been transferred from the University of New South Wales (UNSW) to Keio University. Research relating to longevity is currently being promoted as part of the university’s Longevity Initiative towards the solution of challenges associated with a super-aging society, with which society is now directly confronted. This research ties together various fields including medicine, economics, and engineering. APRU implement programs which leverage the collective research capacities of member schools, under respective themes to contribute solutions to the challenges of the pan-Pacific region. PAP, which is one of these programs, concluded its 1st phase of 2015-2017, with UNSW as its research hub. Further expansion and development which succeeds and builds upon the research foundation laid down by UNSW will be pursued, with the aim of enhancing networks for research on aging societies and realizing research outcomes which have a societal impact, centered on the Graduate School of Medicine and KGRI.

Asia’s Sole IBM Q Network Hub

An IBM Q Network Hub was established as a center for cutting-edge quantum computer research within the Quantum Computing Center at the Faculty of Science and Technology at Yagami Campus. IBM Q is a cutting-edge quantum computer for general use developed at IBM (United States), and this will become the sole hub in Asia enabled to use IBM Q’s cloud computing system. The hub will contribute alongside four corporate members to quantum computer studies, skill development, and implementation, with the aim of facilitating advances in quantum computing. Keio University, with developers from participating corporations, will access the 20-quantum-bit commercial IBM Q quantum computing system equipped at the New York State hub through the cloud, and thus promote development of quantum applications in close cooperation with educators, researchers, and students.

Outcomes of Partnerships with Universities Overseas

In the past academic year, Keio University added one new double degree program to bring the total number to 29; 22 new universities with agreement on academic linkage and collaboration to bring the total to 345; and four new overseas research hubs to bring the total number to 24. Research teams from Keio have been placed at universities overseas, and outcomes from the activities of the Keio Caravan, which were anticipated to deepen exchange among fellow researchers and facilitate systematic joint international research, are coming to fruition. Meanwhile, research teams from overseas have also been hosted at Keio and activities intended to encourage exchange with our researchers implemented. In February 2018, a Japanese art research team from the University of Vienna was hosted and the relationships among researchers deepened, by means of an international symposium and other endeavors, with discussions also conducted on potential future joint research and double degrees. We are steadily enhancing ties with universities overseas through these kinds of activities.

Other Activities

Holding of International Cybersecurity Symposium "Cyber3 Conference Tokyo 2017"

This symposium, jointly hosted by Nikkei Inc., Nikkei Business Publications, the Cyber Security Research Center at Keio University, and other entities, saw many lectures, panel discussions, and workshops with various themes. These included: “Next Generation Security Operation Center for the AI Era”; “Leadership for Cybersecurity Management”; and “Roles and Responsibilities of the Government and Private Sectors.” A signing ceremony was also held at the opening of the symposium proceedings for an academic partnership agreement with the Georgia Institute of Technology as part of the activities of INCS-CoE. Lively industry-government-academia exchanges, bringing together governmental actors and prominent experts in the cybersecurity field and delegates from universities participating in INCS-CoE from Japan and overseas, were seen at the venue.
Project-wide Performance Indicators and Target Goals

International Initiatives

Increase in the number of international students accepted by expanding short-term study abroad programs that leverage the quarter system (+ 133 students)

By offering short-term study abroad programs (inbound) in the 2nd quarter, there has been an increase in international students from countries such as the United States, where it was difficult for students to come to Japan for a semester or a year due to curricula-related matters. In addition, we proactively accepted study trip students from overseas partner universities, etc. Universities from where students came include:

- USA: University of Notre Dame, Allegheny College, Northwest University (State of Washington)
- Singapore: Nanyang Technological University, National University of Singapore
- Netherlands: University of Groningen, Erasmus University Rotterdam

New research and education partnership agreements

The following are examples:

- Conclusion of an agreement between the Reischauer Institute of Japanese Studies at Harvard University and the Keio University Global Research Institute (KGRI) (May)
- Conclusion of a comprehensive agreement with the Beijing Foreign Studies University (October)
- Conclusion of a comprehensive agreement between the Medical University of Innsbruck and the School of Medicine (November)

Establishment of international research centers

Keio University Cyber Civilization Research Center (CCRC)

In April, the Cyber Civilization Research Center was established within KGRI. Dr. David Farber, who led research at Carnegie Mellon University and the University of Pennsylvania, was invited as a co-director. A kickoff event was held on July 18, followed by the "KGRI Great Thinker Series – Cyber Civilization: Prologue" symposium on December 7. Professor Farber was elected as a Fellow by the American Association for the Advancement of Science (AAAS) on 27 November.

IBM Q Network Hub @ Keio University

In May, the IBM Q Network Hub, a forefront quantum computing research base was established in the Faculty of Science and Technology. IBM Q is a state-of-the-art general-purpose quantum computer being developed by US technology company IBM, and this hub is the only facility in Asia enabled to use IBM Q’s cloud computing system.

Governance Reforms

- The second Global Advisory Council (GAC) instituted and in operation
  Some new members of the Global Advisory Council, which comprises presidents of prominent overseas universities, have been selected.

Organizational reform to strengthen university governance

In April, the Office for Equity, Diversity, and Inclusion was established with the aim of developing a campus environment that recognizes diversity. In November, the Global Engagement Office (GEO) was established to expand IR and international public relations activities.

Academic Reforms

- Implementation and operation of the Center for Global Interdisciplinary Courses
  A program taught in English and other foreign languages for all undergraduate students. While enrolled, undergraduate students who acquire 40 or more credits from courses established or approved by the Center for Global Interdisciplinary Courses receive a certificate. In AY 2018, the 4th year since these courses were established, 42 students completed the program. A total of 47 students have completed the program.

- Implementation of distance learning classes between the University of Cologne in Germany and the Faculty of Economics and Graduate School of Medicine
  Joint classes were held in English with the University of Cologne using a distance learning system during the Fall Semester of AY 2018 (approx. 120 students took classes at Keio). With “longevity” as the theme, lecturers specializing in various fields such as medicine and economics gave remote lectures, and those in attendance exchanged opinions. Credits are awarded at both universities. A decision was made to hold these classes again in the next academic year.

- New course launched on FutureLearn, the free online learning platform
  A new course was launched in September on FutureLearn, a MOOCs platform, titled “Exploring Japanese Avant-garde Art Through Butoh Dance.” We now offer a total of 6 courses on FutureLearn.
University-specific Performance Indicators and Target Goals

- Reached target number for registered patents in Japan and abroad
  At a cumulative total of 1,591 patents, Keio's registered domestic and overseas patents has exceeded 1,290, the target initially set for the end of the final year of the project.

- QS World University Ranking by Subject 2019
  Keio University got a ranking in 20 specific subjects, covering all 5 broad subject areas in the QS World University Ranking by Subject 2019. Of these, 1 broad subject area and 3 specific subjects were ranked in the world's top 100.
  - Social Sciences & Management 82nd
  - Specific subjects ranked in the world's top 100:
    - Anatomy & Physiology 36th (tied)
    - History 51st-100th
    - Politics & International Studies 51st-100th

- Clarivate Analytics 2018 Japanese research institution rankings for number of high impact papers
  With 174 highly cited papers, accounting for 0.9% of all highly cited papers published, Keio was ranked 15th (1st among Japanese private universities). For rankings by field, Keio was placed 9th in biology and biochemistry, 5th in immunology, and 8th in molecular biology and genetics.

Expanding Global Visibility

- International conferences and events
  - Keio-APRU Population Ageing Hub’s High-Level Policy Discussion Meeting with Dr. Victor J. Dzau, President of the United States National Academy of Medicine (April 14)
    Part of the research being carried out by the Association of Pacific Rim Universities (APRU) Population Ageing Research Hub. Policies were discussed by Japanese and American researchers and experts.
  - CESUN Conference (June 20-22)
    The Graduate School of System Design and Management jointly hosted the Council of Engineering Systems Universities (CESUN) Conference, CESUN 2018, for the first time in Asia.
  - AI for Everyone: Benefiting from and Building Trust in the Technology (August 31)
    Cross-disciplinary research project by APRU and Google on social applications of AI. Keio is taking the academic lead of this project. The project is being carried out at the Hong Kong University of Science and Technology.
  - Visit by UUKI Representatives (October 31)
    Representatives of Universities UK International (UUKI) and British universities visited. Views were exchanged on promoting education and research between universities in the UK and Japan.
  - Joint IBM and Keio University Symposium, “Innovation and Technology: A Look at the Future” (November 6)
    Discussion of issues such as the impact of AI on society and the development of a workforce that can effectively put AI to use.
  - 8th Experience Japan Exhibition (November 17)
    A study in Japan fair organized with the British Council and held in London. About 500 people visited.
  - Chancellor Merkel Visits to Talk with Keio students (February 5)
    An event at which the German Chancellor, Angela Merkel, conversed with students.
  - Center for Contemporary Korean Studies Hosts “Conceiving a New Order for Northeast Asia” Symposium (February 9)
    The current situation of the Korean peninsula was analyzed, evaluated, and discussed by Korean and Japanese experts.

- [International Partnerships]
  Keio has 29 partner universities with which it has double degree program agreements; the number of exchange agreements increased by 1 from last year, bringing the total to 528; and the number of our partner universities is now 355, an increase by 2 from the previous year. Through the Guest Professors (Global) who have been appointed by the undergraduate faculties and graduate schools using the cross-appointment system, research collaboration with overseas universities has strengthened. 94 researchers have been employed through the cross-appointment system.

Other Activities

- Globalization through exchange with the British Olympic Association (BOA) and British Paralympic Association (BPA)
  To prepare for the British Olympic and Paralympic teams’ preparation camps for Tokyo 2020, which Keio will host, we have been holding test camps for athletes and receiving visits from staff members to inspect the facilities. In addition to exchange through sports, we are engaged in a variety of other exchanges involving education, research, maintenance of facilities, and adaptability as an organization working with different cultures. In October, the BOA held a seminar for students, faculty, and staff members titled “Sustaining Performance,” covering themes relevant to study, research, and business operations.

Keio Global Initiatives
Longevity, Security, Creativity
7. Project Progress Report (AY 2019)

# Project-Wide Performance Indicators and Target Goals

## International Initiatives

- **Keio Summer Program (KSP)**
  A calendar to allow ease of participation by quarter-system students from North America was established, with an increase in the numbers of international students from non-partner institutions. A total of 443 students attended the course.

- **Short-term Study Abroad Program (inbound/outbound)**
  The Japanese Language and Culture Course for Fudan University scheduled from the end of January to February and the spring training program at Fudan University scheduled for March were cancelled due to the spread of COVID-19 (coronavirus disease) infections.

- **Programs and Degree Courses in English**
  27 Double Degree Programs were implemented, the largest number in Japan. Latest results data of 75 persons graduating or completing programs (at end of AY 2018; AY 2019 data forthcoming).  

- **Inter-University Exchange Project: Japan-Europe Master on Advanced Robotics (JEMARO)**
  AY 2019 The Japan-Europe Master on Advanced Robotics (JEMARO) was adopted under a proposal by the Keio University Graduate School of Science and Technology as part of the Ministry of Education, Culture, Sports, Science and Technology (MEXT) “Inter-University Exchange Project: Japan-EU Strategic Support for Higher Education Exchange.” The Partner Universities are École Centrale Nantes (France), University of Genoa (Italy), Warsaw University of Technology (Poland).

- **Major New Partnership Agreements**
  June Research cooperation agreement concluded between the Keio University Global Research Institute (KGRl) and University of Grenoble
  June Double Degree Program agreement concluded between the Law School and Viet Nam National University Ho Chi Minh City (VNU-HCM) — University of Economics and Law
  October Comprehensive agreement concluded with Nanjing Normal University

## Governance Reforms

- **Global Advisory Council (GAC)**
  Opinion exchanges by the Keio University president on university management and exchange with the presidents of overseas university members of the GAC
  
  - August/October The University of British Columbia
  - November Yonsei University
  - January National University of Singapore

- **Promotion of Equity, Diversity, and Inclusion**
  September Established the Charter for the Promotion of Equity, Diversity, and Inclusion, with the aim of realizing a campus where all persons could learn and work in peace of mind.
  December Joined the 30% Club, a global campaign which aims to promote female representation in leadership

## Academic Reforms

- **FutureLearn**
  FutureLearn is a free online educational platform which emphasizes Social Learning (studying together with fellow learners). In AY2019 Keio University offered a total of seven courses (increase of one course from previous year), with the number of participants registering for courses at 12,806.

- **Center for Global Interdisciplinary Courses**
  At the Center for Global Interdisciplinary Course (GIC), which is a platform for cultivating international and interdisciplinary human resources, more than 400 courses were held in English (as a foreign language) with a total of 1,602 persons taking the courses in AY 2019 (increase of 45 from previous year).
University-Specific Performance Indicators and Target Goals

- **World University Rankings**

  Three researchers (4,000 researchers selected from around 60 countries worldwide; 90 researchers selected from Japan) from Keio University were named among AY 2019 Highly Cited Researchers (HCR), which are selected annually by Clarivate Analytics (researchers producing a number of academic papers ranked in the top 1% by citations in 21 scientific fields).

- **Guest Professor (Global) through cross-appointment system**
  89 researchers from overseas were appointed as part of the global cross-appointment system. They participated in research guidance, thesis supervision, and education of graduate school students.

Enhancement of Global Presence and Reputation

- **Hosting of international conferences and events**
  On October 9, a lecture titled “Keio University and China” was given by Keio President Akira Haseyama at Nanjing Normal University. Around 200 persons, comprising mainly of graduate students, participated, and a lively question and answers session ensued.

  On October 14, the 10th APRU Population Aging Conference (international conference on population aging) was jointly held with the Association of Pacific Rim Universities (APRU) sponsored by the World Health Organization (WHO), Ministry of Education, Culture, Sports, Science and Technology (MEXT), and Ministry of Health, Labor and Welfare. Over 100 people, including early career researchers participated from universities in Japan and overseas with an emphasis on those in the Pacific Rim, with awards for outstanding papers, poster sessions, and panel discussions taking place. Part of activities in the Longevity Initiative of Keio University’s Top Global University Project. The conference report is below. https://www.keio.ac.jp/en/about/global/apru_population_aging_conference_report.pdf

  On November 23, the 9th edition of the Experience Japan Exhibition (Japan study abroad fair) was hosted in collaboration with the British Council. Seminars introducing the basics of studying in Japan, actual experiences of former study abroad students, short-term study programs, research grants, employment in Japan, and internship opportunities, were held concurrently with the individual consultations given at the booths for respective universities. Approximately 550 participants. (Photo below)

  On December 11 and 12, the 9th International Cybersecurity Symposium, “Cybersecurity: Trusted Digital Society for Multilateral Economy” was hosted. Experts and stakeholders from universities and corporations in Japan, the United States, the United Kingdom, EU, Israel, and Australia came together under one roof and engaged in discussions. Chiefly organized by researchers in the Safety Initiative of Keio University’s Top Global University Project. (Photo right)

Other Activities

- **Joining the U7+ Alliance**
  President Akira Haseyama participated in the U7 summit of university presidents held in conjunction with the G7 Paris Summit in July 2019. Keio University joined the U7+ Alliance, an international federation of universities which was newly established at the summit. This federation aims to instigate discussion on challenges with which the world is directly confronted such as climate change and societal disparities, and joint action such as policy recommendations to the G7, with more than 18 countries and 45 universities participating, with an emphasis on those from the G7 countries. Since the spread of COVID-19 infections, lively discussions have continued online on the role of universities from the respective countries.
Common result indicators and targets

Internationalization-related

Online short-term study abroad program
The “Understanding Japanese and Chinese Culture” lecture series was held with Fudan University from September 21 to 25. A total of 10 lectures on cultural exchange between Japan and China were held in English and Chinese on topics including “Keio University and Japan’s Modernization,” “Language exchange between Japan and China,” “Occidentalism in Japanese Shojō-Manga,” and “Cooking.” A total of 945 students from Keio and Fudan University participated, and on the final day, an exchange event was held online for the students to interact directly with each other.

The Keio Short-Term Japanese Studies Program (KISP) was held from February 24 to March 9, 2021. A total of 27 students participated from Keio and partner universities including Chulalongkorn University in Thailand and McGill University in Canada.

A pilot version of the Association of Pacific Rim Universities’ (APRU) Virtual Student Exchange (VSE) Program was launched among APRU member universities, for which Keio University also provided courses (11 universities provided approximately 80 courses). Although unable to replace the experience of actually studying abroad, a new form of student exchange program was realized whereby overseas students can be hosted and Keio students can take classes at other overseas universities online. Furthermore, this trial revealed new possibilities for conducting exchange with overseas universities and international education online in the future.

Visit the [VSE.apru.org](http://vse.apru.org/).

Opening of a new international student dormitory
The “Shonan Fujisawa International Dormitory” was completed on March 16, 2021. In addition to operating as a mixed student dormitory, it will also function as a place where students from Japan and abroad can interact with each other, and it brings the total number of international student dormitories at Keio to 10 (of which 7 are mixed dormitories). Until now, many of our international student dormitories were located around Hiyoshi Campus, and it took students about an hour to travel to Shonan Fujisawa Campus; however, by establishing a dormitory on SFC campus itself, we have created an environment where we can accept even more international students.

Governance reform-related

Exchange of opinions with university presidents, etc., around the world
As part of the activities of the U7+ Alliance (an alliance of international universities established at the G7 Paris Summit in July 2019 centered around leading universities of G7 countries), our president and vice-presidents participated in 7 online meetings with presidents, etc., of other leading universities around the world from May 2020 to March of the following year, where they discussed ways to address the serious challenges the world is facing today including COVID-19 (coronavirus disease), racial discrimination, inequality, and threats to academic freedom.

At the APRU Senior International Leaders Meeting held from October 6 to 9, the vice-presidents concerned and other faculty and staff members participated in online meetings with representatives of the 56 member universities under the theme of “Acting Together in the New Abnormal” to discuss how international exchange should be handled as well as how each university is planning their international strategies during the COVID-19 pandemic. The trial of a virtual student exchange program (see above) was also proposed.

Promotion of digital transformation (DX)
Along with the crisis management response by the Keio University Infection Response Center for COVID-19 (center director: president of Keio) established at Keio on February 4, 2020, DX was promoted as a necessary measure to ensure the stable and safe implementation of online classes and events, various meetings, and the telework of administrative staff members, etc. As a part of this, corporate contracts for online conference systems were expanded, common chat tools for faculty and staff members were introduced, and the internal administrative approval system was made available online.

Educational reform-related

Introduction of Canvas LMS education support system
As part of internationalizing the academic affairs system, we became the first Japanese university to introduce and start operating Canvas LMS, a learning management system (LMS). It is used by leading universities in North America (Stanford, Harvard, Carnegie Mellon, Columbia, etc.) and can be easily set to work with external applications.

FutureLearn
Continuing on from previous years, through the online education platform FutureLearn, we have not only disseminated Keio University’s research and findings but also distributed information focused on Japanese culture through the sharing of archives of rare books, works of art, etc., possessed by Keio. In AY 2020, we offered 10 courses, an increase of 3 courses from the previous year.

Center for Global Interdisciplinary Courses (GIC Center)
The GIC Center, which was established with the adoption of this project, provides a program in which courses are taught in English (or other foreign languages), and students who obtain a total of 40 credits or more from the courses that meet certain conditions by the time of graduation will be awarded with a certificate of completion. Students can freely take the courses regardless of the faculty to which they belong, and with many international students from abroad also taking these courses, the center is becoming a base for developing international and interdisciplinary human resources. Various courses such as those in the sciences, environment, music, bushido, poverty, and business are offered, and in AY 2020, 1,551 students took GIC courses.
The university's own result indicators and targets

- **Placed in the top 100 for the QS Rankings by subject**
  In the QS World University Rankings by Subject, Keio was ranked in the top 100 worldwide in 7 research fields. Regarding the number of fields ranked in the top 100, we ranked 6th among Japanese universities along with Tohoku University. The QS World University Rankings by Subject ranks 51 research fields in the humanities, engineering and technology, life sciences, natural sciences, and social sciences.

- **Cross-appointment through the Guest Professor (Global) system**
  Under the Guest Professor (Global) system, 52 people were appointed in 2020 (89 people in 2019). In the beginning, we were planning to appoint 71 people, but 19 appointments were cancelled due to the spread of COVID-19. In AY 2020, many Guest Professors (Global) conducted instruction remotely online. Since we began this system in AY 2014, a total of 460 people have been appointed.

Initiatives to increase international reputation

- **Hosting international conferences and events**
  From June to July, the KGRI Virtual Seminar Series "Japan and the World in the Era of COVID-19: Considering whether the new paradigm is a crisis or an opportunity" was held 4 times online (supported by APRU). About 1,000 people participated (including 80 overseas participants), including university students, researchers, senior high school students, and working adults. The 4 themes were as follows:
  - June 17 Health & Science & Technology
  - July 1 Economy and Work
  - July 15 Society and the Law
  - July 29 Summing Up

  On September 30, we hosted the "1st MEXT Top Global University Project Online Symposium: International Collaboration in Higher Education during the COVID-19 Pandemic." Guest speakers from Sciences Po and the Chinese University of Hong Kong were also invited to the symposium held in English to discuss responses to and issues caused by COVID-19 as well as the possibility of online study abroad. About 430 people participated from Japan and abroad.
  
  On November 21, we hosted the Study in Japan Fair "Experience Japan Exhibition 2020 Online." The fair had been held every year in London, UK, since 2001, but due to the impact of COVID-19, it was held online for the first time. 20 universities and organizations from all over Japan, many of which were selected as Top Global Universities, participated in the event, which provided information on the study in Japan programs of each university and the scholarships that are available as well as stories from students sharing their experiences of studying in Japan. By holding the event online, the numbers of exhibitors and attendees were the largest ever. With 1,353 people participating not just from the UK but also from Asia and Europe, the number of attendees greatly exceeding that for previous years (around 500), and lively question and answer sessions, etc., were held.

The "APRU Population Aging Research Hub 2018-2020 Summing Up Report" was published
Keio University took over as the host of the APRU Population Aging Program from the University of New South Wales (UNSW), and for 3 years from 2018 to 2020, operated as the research base (hub) of the program, organizing the annual conferences and various seminars. A report summarizing our activities over the 3 years was published, which is also available below:


Other

- **THE World Reputation Rankings 2020**
  The THE World Reputation Rankings 2020 was announced and Keio University ranked between 151st and 175th, while in Japan, Keio placed 9th overall and 1st among private universities. This ranking asks researchers from all over the world about the reputation of universities in terms of research and educational capabilities and ranks universities based on the results.

- **Four researchers from Keio University were selected as Highly Cited Researchers 2020**
  Four members of the School of Medicine, Professor Kenya Honda (Department of Microbiology and Immunology), Associate Professor Koji Atarashi (Department of Microbiology and Immunology), Assistant Professor Takeshi Tanoue (Department of Microbiology and Immunology), and Professor Toshiro Sato (Sakaguchi Laboratory—Department of Organoid Medicine) were chosen as Highly Cited Researchers (HCR), who are selected by Clarivate Analytics every year. HCR are outstanding researchers who have published multiple papers in the past year (2019) for which the number of citations fall in the top 1% in 21 scientific fields. In the 2020 edition, 6,167 people (from about 60 countries) were selected from across the world, with about 90 people being selected from Japan.

### International Initiatives

#### Online Short-term Study Abroad Programs (Hosting, placement, and exchange)

From August 12 to August 13, a total of 59 Keio students participated in a summer program held by the College of William and Mary in the United States. Through the lectures, group work, and Q&A sessions, our students were able to share opinions with their W&M counterparts, allowing everyone to deepen their mutual understandings of Japanese and American culture.

From September 20 to September 24, Keio University held a student exchange program entitled, “Understanding Japanese and Chinese Cultures” with Fudan University. The program consisted of 10 lectures, available in both Chinese and English, covering cultural exchanges between China and Japan. A total of 435 students from Keio and Fudan University took part, with a mixer arranged on the final day of the program at which participants interacted directly with each other online.

From February 17 to March 1, 2022, Keio University held its Short-Term Japanese Studies Program (KJSP). A total of 27 students participated from across Keio University’s partner universities in Australia, China, Hong Kong, New Zealand, Korea, Switzerland, Singapore, and the UK.

From March 15 to March 16, 2022, 36 Keio students participated in workshops as part of a spring program offered by the University of Sydney.

Keio University took part in the APRU Virtual Student Exchange Program, a meeting between affiliated institutions of the Association of Pacific Rim Universities (APRU). Keio University hosted 19 students from overseas APRU-affiliated universities and sent 13 of its own students on placements. Beginning in AY 2021, students from APRU-affiliated universities can now earn credit for courses enrolled in through this program.

https://vse.apru.org/

#### Governance Reforms

- **U7+ Alliance: Engagement with an International Collaborative Organization**
  
  On October 25, 2021, Keio University and 28 other universities representing a total of 12 countries unanimously adopted and signed the U7+ Statement on Climate Change and Sustainability at the Presidential Summit of the U7+ Alliance (formed by leading G7 universities following the G7 Paris Summit of July 2019). In March 2022, Keio University also signed the U7+ Alliance’s “Statement on the War in Ukraine.”

- **Strategic Partnerships Project: “Sharing Good Practices”**
  
  Keio University participated in the “Strategic Partnerships Project” (organized by the University of Tokyo) newly-implemented in AY 2021 as a part of the “Japan Forum for Internationalization of Universities.” This project aims to promote international compatibility and competitiveness for each of its 10 member universities by sharing and developing good practices through strategic partnerships with each other.

#### Academic Reforms

- **New Class Numbering System/English-language Syllabi**
  
  Beginning in AY 2022, Keio University introduced its “K-Number” system for classes as well as offering its syllabi in English in order to further improve convenience for students and for management of University operations.

- **“FutureLearn,” an online education platform**
  
  In AY 2021, two new courses were added, making a total of ten offered through this platform. Students responded positively to the Graduate School of Media Design’s courses that used FutureLearn combined with class discussions.

- **The Center for Global Interdisciplinary Courses (GIC)**
  
  GIC is a program that offers a variety of taught courses in English and other languages on topics ranging from science, the environment, music, Bushido, poverty, and business. Students can enroll in these courses regardless of faculty affiliation. 1,866 students enrolled in AY 2021 GIC courses (up 335 from the previous year.) Furthermore, as a part of Faculty Development, a total of eleven seminars taught by GIC faculty members were held to enhance their capacities to lead classes in English.

  Students who have earned a total of 40 credits or more in courses through meeting GIC requirements by the time of graduation will receive a certificate of completion for their work.
Expanding Global Visibility

In AY 2021, the Keio University Global Research Institute (KGRI) hosted and collaborated on The biggest event among those KGRI hosted attracted approximately 83,000 viewers.

Hosting International Conferences & Events

Twenty-six universities, many of which participate in the Top Global University Project, and a variety of other organizations from across Japan presented at the "Experience Japan Exhibition 2021 Online." Topics included study abroad programs, scholarships, and testimonials from students. This was the largest number of exhibitors and participants the event has ever recorded. A total of 2,080 people actively participated in the panels and Q&A sessions, with many doing so from locations in Asia and Europe in addition to the UK.

Ranked in the Top 100 Universities in Three Areas for the QS World University Rankings by Subject 2022

1,543 institutions from 161 countries are evaluated during this survey and ranked in five broad subject areas (Arts & Humanities, Engineering & Technology, Life Sciences & Medicine, Natural Sciences) covering a total of 51 disciplines. Keio University ranked in the top 100 universities in the world for Classics & Ancient History (51-80), Politics & International Studies (51-100), and Law (98).

Ranked 56th worldwide in the QS Graduate Employability Rankings 2022

Keio University was ranked 56th in the world. Universities are evaluated under the five assessment criteria of “Employer Reputation,” “Alumni Outcomes,” “Employer-Student Connection,” “Partnerships with Employers,” and “Graduate Employment Rate.”

Cross-Appointment System for Guest Professors (Global)

Travel restrictions due to the COVID-19 pandemic obliged most guest professors to teach remotely. Despite this, 51 guest professors were appointed in AY 2021, a similar number to the previous year (AY 2020 had 52 appointments.) A total of 511 appointments have been made since the program’s creation in 2014.

Double Degree Programs

In AY 2021, Keio University’s graduate schools expanded their double degree capabilities, raising the total number of available programs from 28 to 31, an increase of 3 programs from the number available in AY 2020.

Increase in the Number of International Co-authored Publications

In the 2021 calendar year, Keio University published 1,127 internationally co-authored papers to last year’s 982, an overall increase of 14%. Furthermore, three researchers from Keio University were named 2021 Highly Cited Researchers (HCR), which are selected by Clarivate Analytics (researchers producing a number of academic papers ranked in the top 1% by citations in 21 scientific fields).

International Online Networking: English websites, social media, and digital newsletters

- "The Penmark," a monthly digital newsletter (3,037 registered readers in April 2021, rising to 4,681 as of April 2022.
- Facebook (approx. 25,000 followers in April 2021, rising to around 26,000 followers as of April 2022)
- Instagram (approx. 16,000 followers in April 2021, rising to around 17,000 followers as of April 2022.)

Other Activities

“Sustainable Development Goal” Initiatives

The United Nation’s “Sustainable Development Goals” (SDGs) are highly compatible with Keio University’s existing concept of “Enhancing the sustainability of global society through Jitsugaku (Science)” under the Top Global University Project. In AY 2021, the SDGs were explicitly mentioned in the university’s mid-term plan. A university-wide logo was designed to indicate whether research projects or education initiatives are related to the SDGs.

Since AY 2020, Keio University has also participated in the SDG–Universities Platform (SDG-UP).

Keio University was ranked 51st in the world for Goal 9, “Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation” for the THE World University Impact Rankings 2021, which measures universities’ SDG achievement levels.