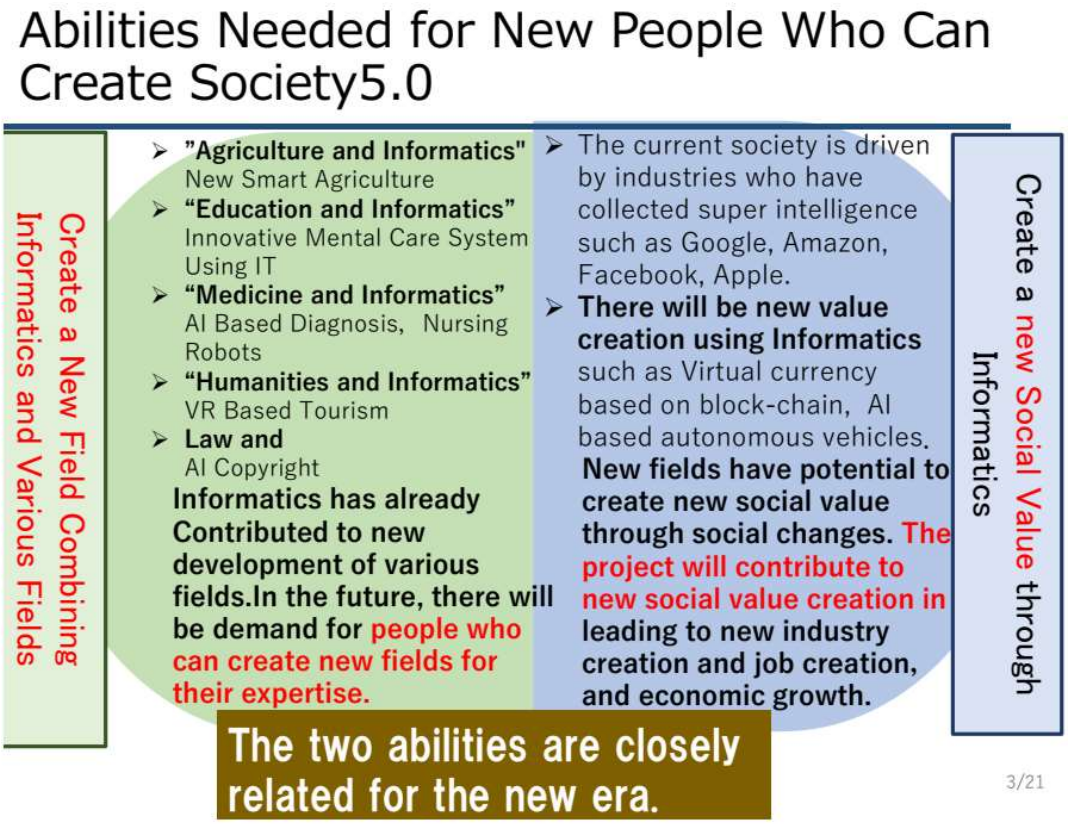
FY 2020

"International Graduate Program of Innovation for an Intelligent World"

Course Student Recruitment

1． Aim of the Program

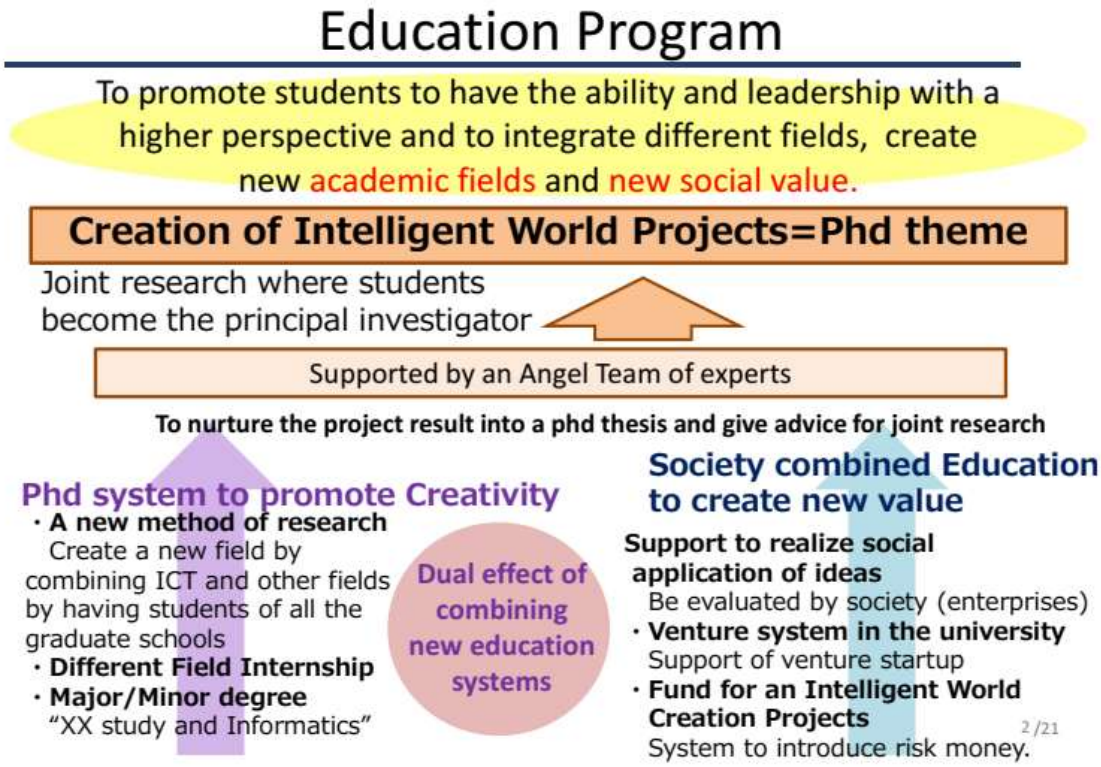
With the advancement of the ICT industry which has become a major industry in the society, there are many trends within each industry segment to revolutionalize their schemes using ICT technologies. In Japan there is a scheme called Society 5.0 which aims to implement an inclusive society making use of the value created by ICT technology which would take advantage of the activeness created by diversity. In order to achieve this goal, it is necessary nurture personnel who can realize a new academic area/ application area which tries to fuse various diverse research fields with ICT Technologies and can create new value based on the application of this newly created research field. The ultimate goal of this program is to educate PHD students who can grow up to be such researchers and revolutionalize the academic and the industrial world.



2． Requirements for Application

Students who aim to participate in the program must fulfill all conditions below.

- Applicant must be a Master's course student who enrolled in April 2020.
- Understands adequately the general concept and rules (e.g. requirements in the curriculum) of the program.
- Aspires to go on to the Ph.D. course
- Is Interested in cutting-edge ICT and its application to society in a broad sense or in the creation of a new research field fusing various academia fields with ICT technology.
- Understands that the completion of the program will be additionally stated in the certificate of Ph.D. degree.
- Note that a student cannot belong to more than one leading graduate programs or Innovative & Smart Education Program.



3 . Summary and quorum of each year (see Figure 2)

In the first two years (Master's course): Students will acquire and strengthen basic specialist skills and practical skills of the department to which they belong. Meanwhile, they also acquire basic knowledge and viewpoints of social innovation and ICT, and cultivate problem consciousness, through the original class / subjects provided by this program. In addition, they should master basic skills through training camps and internship in a foreign application field to gain experience to prepare for the doctor's course. The internship should be at least three months long and can be conducted in firms outside the university, medical institutes,

research institutes, or university in foreign countries. Those students who aspire to do a research of fusing various application fields with ICT technologies can conduct an internship within the university of Tokyo but outside of their main research fields. For the latter case, they must submit an internship plan and get approval.

After the first semester of the second year, the students must submit a research plan of their PHD courses. This will be conducted as a qualification examination (QE) of the Creation of Innovation for an Intelligent World Program. IN the QE the students will be evaluated based on their ability to work as a Principal Investigator to conduct the research.

After they have passed the QE, the students will be supplied with the subsidy of 180,000 Yen per month.

In their Phd courses (after the third year,) the students are expected to take the original class subjects and conduct research on　Program of Innovation for an Intelligent World

. Those who had not taken the intern ship in the master course must conduct the internship as well. They will compile their research fruits as a PHD thesis for the Program of Innovation for an Intelligent World. The result will be examined by a special examination committee and if the result is satisfactory, a certification of completion of the course will be given.

４．Selection and employment period

Selection of course students is based on the prescribed application documents.

- Number of students: about 20. However a balance among the various departments might be considered.
- Documents to submit: (1) Application Form and (2) Application Sheet. (3) Elevator pitch: A one-minute self-promotional video (talk to the camera without slides) including research plan, etc., in mp4 format with student ID number and name as file name, uploaded to the following URL
  https://www.dropbox.com/request/K2PwQPvslqJxjDoVxQOf
- Period for submission:　From 10:00,　June 15th (Mon),　2020　to 15:00, July 15th (Wed). 2020.
- Place to be submitted: Application Form and Application Sheet should be submitted to GCL program office via e-mail. (The e-mail address is shown in the last.) The office will send an e-mail at receipt of each application.　If you do not get email within 24 hours from your application, ask the office.
- Period of employment: From Sep 1, 2020 to Mar. 31, 2025.　For continuing the enrollment on and after summer of 2021, students must pass the Qualifying Examination.
- The result of the selection:　The result of the selection will be announced on GCL web

site. Planned on Aug. 1st, 2020.

- The prescribed format and the most recent schedule are available at the GCL program homepage (URL is listed in the last).

5. Characteristics of the course and requirements for program completion

In order to complete the course the students must satisfy the following requirements

- Gain two credits in the selective subjects of the program during the masters course and gain altogether 6 credits of the selective subjects.
- The selective subjects of the course consist of Information Science Lecture I-ＸＸ, Intelligent World Lecture Ⅰ～ＸＸ、Information Science Exercise Ⅰ～Ｘ, Intelligent World Exercise Ⅰ～Ｘ and are mapped to various curriculum courses. Note that students in the Graduate School of Information Science and Technology will not be granted credits for Information Science Lecture and Exercises.
- Participate in various camps and other activities.
- Conduct an Internship
- Pass the Qualification Examination
- Conduct research on Innovation for an Intelligent World Society Projects and pass the qualification.

Students who belong to schools other than the Graduate School of f Information Science and Technology and GSII and who have received more than 8 credits of Information Science Lectures/ Exercises will also be awarded a minor degree of Information Science.

6. Contact information for the program

- GCL/IIW program office： Room #621, Eng. Bldg. 8, 7-3-1, Hongo, Bunkyo-ku, Tokyo, JAPAN 113-8656
  Tel：03-5841-8746
  E-mail: gcl_gakumu@gcl.i.u-tokyo.ac.jp
- International Graduate Program of Innovation for an Intelligent World. homepage：(Temporary)
  http://www.gcl.i.u-tokyo.ac.jp/takuetsu

7 Program appointees

Name	Affiliation etc.
Reiji Suda	Department of Computer Science, Graduate School of Information Science and Technology, Professor
Masami Hagiya	Department of Computer Science, Graduate School of Information Science and Technology, Professor
Yoshimasa Tsuruoka	Department of Information & Communication Engineering, Graduate School of Information Science and Technology, Professor
Toshiyuki Nakata	Social ICT Research Center, Graduate School of Information Science and Technology, Project Professor
Hiroshi Esaki	Department of Creative Informatics, Graduate School of Information Science and Technology, Professor
Makoto Naruse	Department of Information Physics & Computing, Graduate School of Information Science and Technology, Professor
Takayasu Matsuo	Department of Mathematical Informatics, Graduate School of Information Science and Technology, Professor
Kunihiko Sadakane	Department of Mathematical Informatics, Graduate School of Information Science and Technology, Professor
Hiroshi Saruwatari	Department of Information Physics & Computing, Graduate School of Information Science and Technology, Professor
Hitoshi Iba	Department of Information & Communication Engineering, Graduate School of Information Science and Technology, Professor
Masayuki Inaba	Department of Creative Informatics, Graduate School of Information Science and Technology, Professor
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Mhd IRVAN	Social ICT Research Center, Graduate School of Information Science and Technology, Project Research Associate
Tran Phuong Thao	Social ICT Research Center, Graduate School of Information Science and Technology, Project Researcher
Akihiro Nakao	Department of Interdisciplinary Information Studies, Graduate School of Interdisciplinary Information Studies, Professor
Takeshi Naemura	Department of Interdisciplinary Information Studies, Graduate School of Interdisciplinary Information Studies, Professor

Kazutoshi Kudo	Department of Interdisciplinary Information Studies, Graduate School of Interdisciplinary Information Studies, Associate Professor
Hitoshi AIda	Department of Electrical Engineering and Information Systems, Graduate School of Engineering, Professor
Yoshihiro Kawahara	Department of Electrical Engineering and Information Systems, Graduate School of Engineering, Professor
Yutaka Matsuo	Department of Physics, Graduate School of Science, Professor
Kenji Fukushima	Department of Physics, Graduate School of Science, Professor
Hiroyuki Shinoda	Department of Complexity Science and Engineering, Graduate School of Frontier Sciences, Professor
Haruhiko Shimoyama	Graduate School of Education, Professor
Shigeki Aida	Graduate School of Mathematical Sciences, Professor
Kyoko Haga	Center for Evolving Humanities, Graduate School of Humanities and Society, Associate Professor
Takeshi Imai	Department of Social Medicine, Medical Science Graduate Program, Associate Professor
Hiroshi Oyama	School of Public Health, Professor
Masanobu Uchiyama	Graduate School of Pharmaceutical Sciences, Professor
Daiju Kitagawa	Graduate School of Pharmaceutical Sciences, Professor
Yasuhiro Omori	Graduate School of Economics, Professor
Daiji Kawaguchi	Graduate School of Public Policy, Professor
Dai Yanagihara	Graduate School of Arts and Sciences, Professor
Yasushi Yamaguchi	Graduate School of Arts and Sciences, Professor
Masaru Mizoguchi	Department of Global Agricultural Sciences, Graduate School of Agriculture, Professor
Hidefusa Iida	Graduate Schools for Law and Politics, Associate Professor