

**Next-Generation AI Human Resource Development Program
(Students in the Doctoral Program)
Application Guideline [AY2024]**

Our university has been selected for Broadening Opportunities for Outstanding young researchers and doctoral students in Strategic areas (BOOST) Next-Generation AI Human Resource Development Program (Students in the Doctoral Program) by the Japan Science and Technology Agency (JST), a national research and development agency. From the academic year 2024, we will provide financial support in the form of grants (living expenses and research expenses, hereinafter referred to as "research incentive funds, etc.") to outstanding doctoral program students who are committed to engaging in research and development contributing to the next-generation AI field. The overview of this project is as follows, and this document outlines the necessary details for the adoption of this project for the academic year 2024.

■ **Purpose of the Project**

- Supporting PhD students to devote themselves to unrestricted, challenging and interdisciplinary research projects
- By providing funds equivalent to living expenses, we aim to create an environment where students can fully dedicate themselves to their research, thereby nurturing researchers with advanced expertise and research capabilities in the next-generation AI field.
- Assisting promising students to become doctorate degree holders who are ready for a variety of diverse and important careers

■ **The University's Commitment to the Project**

<Project Title >

「学際的次世代 AI イノベーション人材育成プロジェクト」

Interdisciplinary Next-Generation AI Innovation Human Resource Development Project

- Project Officer
Suzuki Kenji – Professor, Institute of Systems and Information Engineering

■ **Project Period**

From AY2024 to AY2028*

1. Applicants, number of hires, application period:

(1-1) Application Category A

Course	Target	Number of hires needed	Employment period
Doctoral Program (区 分制の博士後期課程)	2024/4 1st year enrollees	12 students	From AY2024 to AY2027 (3 years)
3 rd year of PhD course (3年制博士課程)	2024/4 1st year enrollees		
Enrolled in the Doctoral Course 一貫 制博士課程 (Medical Sciences not included)	2024/4 3 rd year admitted/transferred students Or Students who have passed the mid-term exams etc., and who have 3 years left in their period of study.		

* To continue this program, a new application will be reviewed each year. Even if the student's period of study is extended due to a leave absence, etc., the program period will not change.

Foreign students, who are not able to come in Japan yet, can apply as well. However, if after being selected, you are not in Japan by the time the payments start, your application will be cancelled.

(1-2) Required Documents

① Research Plan for Students Eligible for Research Incentive Funds

[Note]

When you write a plan, please include either of the following:

- (a) How can your research theme contribute to the SDGs (*United Nations Development Programme)
- (b) How can your research theme contribute to future society in the next 30 or 50 years.

② Next-Generation AI Human Resource Development Program application content file

* Please provide descriptions regarding "Research Plan," "Compliance with Human Rights Protection and Legal Compliance," "Self-analysis of Research Execution Capability," and "Aspired Researcher Profile," using the format based on the Special Research Fellow (DC) Application (Application Content File) of the Japan Society for the Promotion of Science (JSPS).

③ For those who were enrolled in the University with the Special Selection of Working Individuals, those who were employed at the time of admission, and those who are in "the early completion program for working people", please attach some form of documentation showing the income earned during the previous year such as the tax withholding slip (源泉徴収票) etc.

2. Students who are not eligible (no matter the category)

Those who apply to the following conditions are **NOT ELIGIBLE** to apply for this project in **2024**:

- ① The research fellows of the program “Research Fellowship for Young Scientists” (Japan Society for the Promotion of Science)
- ② The recipients of MEXT Scholarship
- ③ The recipients of the scholarship granted by the government of their home countries
- ④ The recipient of the support granted by WISE Program (Doctoral Program for World-leading Innovative & Smart Education)
- ⑤ Those who have received a sufficient level of scholarship (more than 2.4 million yen/year) related to living expenses.
- ⑥ Those who work for a company (TA, RA, part-time jobs excluded) and receive a sufficient and stable level of income for living expenses (more than 2.4 million yen/year)
- ⑦ Those who are on “Leave of Absence” as of April 2024
- ⑧ Individuals who are enrolled beyond the standard period of study

3. Application Requirements

- Students conducting research contributing to the field of AI and emerging/converging areas within the AI field (next-generation AI field)
- Highly motivated students who are keen on developing their career path
- To actively engage in innovative and interdisciplinary educational research by conducting studies that contribute to the achievement of SDGs and the creation of scientific and technological innovations.
- Those who will try to interact with companies or making chances to work in various fields by:
 - Participating in long term internship / Working as research staff
 - Participating in social events such as company networking events, or gatherings for PhD students
 - Having some experience abroad such as through study-abroad or other experience

4. Fellowship Amount

3.9 million yen (2.4 million yen for living, 1.5 million yen for research)

[Note]

* The amount of the Research Fellowship is subject to change depending on JST’s budget availability.

5. Where / How to Submit

Submit through “u-Rad a management system for internal grants” after logging in using the university's unified authentication ID.

<https://u-rad.sec.tsukuba.ac.jp>

Research Initiated by the Next Generation (SPRING)

https://u-rad.sec.tsukuba.ac.jp/login/index.php?support_id=fgOr2jv0fivfvGamlVKnKA%3D%3D

* Applications are being accepted simultaneously for Support for Pioneering Research Initiated by the Next Generation (SPRING), but you cannot be selected for both.

Submit the application form as a PDF data (the file name: application category A, student ID number, name, degree program name").

6. Application Deadline

5:00 p.m. (17:00), June 7 (Fri.), 2024 *Late applications cannot be accepted.

7. Recipient Tasks

(1) Mandatory Tasks

- Taking the online course "APRIN e-learning program (eAPRIN)" (Selected students will be notified separately on how to attend)
- Submitting the reports: "Research Progress Report" and "Final Reports"
- Participate in the research presentation hosted by the Program
- Submitting the pledge to agree with sharing your email address with the JST
- The University is expected to report follow-up of the recipients for more than 10 years, so everyone must register with "JGRAD".
- Register on the matching system for the Cooperative education through research internships.
- Register for "PhD x FUTURE.", a matching system for young researchers.
- Acquire more than one credit in the Graduate General Education Courses Program

(2) Tasks to be implemented as far as possible

To develop your career path proactively, please implement the following tasks as far as possible:

- Studying abroad (or some overseas experiences equivalent to studying abroad)
- Participating in the intercultural event that involves 1 to 2 weeks-overnight stays (that will be) conducted by the University
- Participating in long term internship / Working as research staff
- Participating in social gatherings of recipients conducted by JST
- Participating actively in events / activities offered by the Project Officer of the University

8. Revocation of Fellowship

In the event that the Project Officer judges that the recipient meets one of the conditions described below, guidance on improvement will be provided. Should they fail to display any improvement, the fellowship grant will be discontinued.

- Not accomplish the assigned tasks
- Not proceeding / working as planned

In cases such as a false application or research misconduct, the approval will be revoked and the recipient will have to return the whole amount of the fellowship already paid.

9. Others

- (1) All recipients have the duty of giving their recent reports. The University is expected to report follow-up of the recipients for more than 10 years.
- (2) The selection results (the recipient of fellowship) will be disclosed on the University website.
- (3) The grant for living expenses, a part of the fellowship, will be considered miscellaneous income. Therefore, it will be necessary to declare it in the following year.

[References]

(1) Income Tax (Allowance for Dependents)

A tax allowance per each dependent is granted to the taxpayer who has dependent family. If the dependent member's income (January to December) exceeds JPY 480 000, the tax allowance cannot be taken in the following year. In addition, the residence tax of the following year will be calculated according to the income of the year

(2) Health Insurance – Family Membership

The annual income of a dependent family member must be less than JPY 1.3 million. Since the living allowance is considered income, the recipients will need to join the National Health Insurance (国民健康保険) themselves.

(3) Tuition Fee Exemption

The major factors of selection are usually finance and the applicants' family structure. Depending on the applicant's incomes (including the fellowships), the waiver may not be granted.

10. Contact information

Division of Student Welfare, Department of Student Affairs, University of Tsukuba

E-mail: gk.jst-spring@un.tsukuba.ac.jp