

# 2021 THERS\* Interdisciplinary Frontier Next Generation Researcher Application Guidelines (for Nagoya University Students)

\*Tokai National Higher Education and Research System

## ○ Recruitment 1: Applicable Year (As of October 1, 2021)

Doctoral Course	1st year doctoral students (Including scheduled entrants)
Doctoral Course in Medicine	2nd year doctoral students (Including scheduled entrants)

## ○ Recruitment 2: Applicable Year (As of October 1, 2021)

Doctoral Course	2nd year doctoral students (Including scheduled entrants)
Doctoral Course in Medicine	3rd year doctoral students (Including scheduled entrants)

## ○ Recruitment 3: Applicable Year (As of October 1, 2021)

Doctoral Course	3rd year doctoral students (Including scheduled entrants)
Doctoral Course in Medicine	4th year doctoral students (Including scheduled entrants)

\*For details other than the above, refer to 4. Application Qualifications.

September 2021

## 2021 THERS Interdisciplinary Frontier Next Generation Researcher Application Guidelines

### 1. Purpose

The THERS Interdisciplinary Frontier Next Generation Researcher Project (hereinafter referred to as “this project”) aims to resolve various issues facing the world and Japan, and to develop doctoral human resources who will lead a future knowledge-based society. Doctoral students are already at the forefront of research and supporting the foundation of university research. This project will provide financial support to such excellent students, and provide courses for them to acquire the skills required by companies, etc., thereby creating an environment in which they can devote themselves to their research without having to worry about employment.

In addition, by providing opportunities for interaction with doctoral students with different specialties, mentors with different values, and graduates of the program for leading graduate schools who serve as role models, the program encourages the development of new research based on original ideas and the creation of fusion research.

This program will be implemented by the MEXT’s Challenging Research Program for Next Generation Researchers, and the Tokai National Higher Education and Research System (THERS).

### 2. Fields (4) Open to Applications

There are four fields. Each field has its own vision for the human resources it wishes to develop

I. Bioscience

II. Interdisciplinary & Ground-breaking Sciences

III. Decarbonization & Environment

IV. Glocal Research

<Human resource development>

#### I. Bioscience

This covers all research fields related to life science and medical science. Utilizing the strengths of the THERS, which has a high level of research capability in this field, we aim to nurture doctoral human resources who will be at the forefront of solving various issues facing the world through challenging and international research.

#### II. Interdisciplinary & Ground-breaking Sciences

The goal of this research is to develop doctoral personnel who can go back to basic principles in order to grasp the essence of nature and society, redefine current issues into solvable problems, and seek solutions through fresh ideas and logical thinking. We believe that true innovation begins with a return to these fundamental principles. The main target fields are basic sciences, especially mathematical and physical sciences, linguistics, and historical and cultural anthropology, aiming at resonance and fusion among studies on mathematics, space, mankind, civilization, society, life, matter, and elementary particles.

### III. Decarbonization & Environment

Based on the government's target of “reducing overall greenhouse gas emissions to zero by 2050”, this research aims to cultivate doctoral human resources who will contribute to solving global issues, including the realization of a decarbonized society, by leveraging the strengths of the Nagoya University Graduate School of Environmental Studies, the Research Center for Future Earth, the Gifu University Regional Adaptation Research Center, and the Gifu University River Basin Research Center. The two universities participate in the “Coalition of universities etc. who will contribute to the achievement of carbon neutrality” established on July 29, 2021, and will strengthen cooperation with Japanese universities, research institutes, national government, local governments, and companies.

### IV. Glocal Research

With the United Nations’ Sustainable Development Goals (SDGs) in mind, this research aims to foster global leaders who can promote the development of sustainable local communities from an international perspective. The main targets are those who conduct research in the humanities with an awareness of policy frameworks that serve the regions, and those who can contribute to the development of local communities through applied research in the sciences. However, we expect contributions that are internationally versatile, not limited to Japan.

#### Points to Note

- You can apply for any field regardless of your graduate school or major.
- Select your first to third choice of application fields. (However, second and third choices are optional.)

#### 3. Number of applicants to be accepted (Number of people in Recruitments 1, 2, and 3)

Bioscience	Approximately 32
Interdisciplinary & Ground-breaking Sciences	Approximately 25
Decarbonization & Environment	Approximately 25
Glocal Research	Approximately 16

\*The numbers to be recruited in the various fields are estimates, and may be adjusted among fields depending on the state of applications.

#### 4. Application Qualifications

Those eligible to apply for this Researcher position shall be people (including foreign nationals) who meet (1)(4) below (or (1)(3) in Recruitment 2 & 3).

#### ●Recruitment 1

☐ **Doctoral Course—1st year doctoral students in October 2021**

**(including those due to enroll)**

☐ **Doctoral Course in Medicine—2nd year doctoral students in October 2021**

**(including those due to enroll)**

- (1) Terms of enrollment  
A person enrolled or scheduled to be enrolled in the 1st year of the Doctoral Course (2nd year of the Medical Doctoral Course) of the University in October 2021
- (2) A person recommended by an academic advisor at their institution or by a prospective academic advisor or other instructor in the doctoral course
- (3) An individual who does not fall under any of the following as of October 1, 2021
  - (i) A student who is deemed to be receiving stable income from their university or company, such as a salary or executive remuneration, at a level sufficient to cover living expenses <sup>Note 1</sup>.
  - (ii) An international student receiving a scholarship under the Monbukagakusho Scholarship Program
  - (iii) An international student receiving scholarships from their home country
  - (vi) An individual in the Japan Society for the Promotion of Science's Research Fellowship for Young Scientists
  - (v) A certified Nagoya University Interdisciplinary Frontier Fellow
- (4) An individual who has not applied for the Nagoya University Interdisciplinary Frontier Fellowship(2nd Recruitment)

#### **●Recruitment 2**

**○ Doctoral Course—2nd year doctoral students in October 2021**

**(including those due to enroll)**

**○ Doctoral Course in Medicine—3rd year doctoral students in October 2021**

**(including those due to enroll)**

- (1) Terms of enrollment  
A person enrolled or scheduled to be enrolled in the 2nd year of the Doctoral Program (3rd year of the Medical Doctoral Program) of the University in October 2021
- (2) A person recommended by an academic advisor, etc.
- (3) A person who does not fall under any of the following as of October 1, 2021
  - (i) A student who is deemed to be receiving stable income from their university or company, such as a salary or executive remuneration, at a level sufficient to cover living expenses <sup>Note 1</sup>.
  - (ii) An international student receiving a scholarship under the Monbukagakusho Scholarship Program
  - (iii) An international student receiving scholarships from their home country
  - (vi) An individual in the Japan Society for the Promotion of Science's Research Fellowship for Young Scientists
  - (v) A certified or prospective Nagoya University Interdisciplinary Frontier Fellow

#### **●Recruitment 3**

**○ Doctoral Course—3rd year doctoral students in October 2021**

**(including those due to enroll)**

**○ Doctoral Course in Medicine—4th year doctoral students in October 2021**

**(including those due to enroll)**

- (1) Terms of enrollment  
A person enrolled or scheduled to be enrolled in the 3rd year of the Doctoral Course (4th year of the Medical Doctoral Course) of the University in October 2021
- (2) A person recommended by a prospective academic advisor, etc.
- (3) A person who does not fall under any of the following as of October 1, 2021
  - (i) A student who is deemed to be receiving stable income from their university or company, such as a salary or executive remuneration, at a level sufficient to cover living expenses <sup>Note 1</sup>
  - (ii) An international student receiving a scholarship under the Monbukagakusho Scholarship Program
  - (iii) An international student receiving scholarships from their home country
  - (iv) An individual in the Japan Society for the Promotion of Science's Research Fellowship for Young Scientists
  - (v) A certified or prospective Nagoya University Interdisciplinary Frontier Fellow

#### Points to Note

- Those who plan to apply to the system of (ii)(iv) may also apply to this system. However, if the individual does not meet the application requirements when they start receiving this Researcher grant, they will not be eligible to become a THERS Interdisciplinary Frontier Next Generation Researcher (hereinafter referred to as "Researcher")
- Note 1: A sufficient amount of living expenses is considered to be 2.4 million yen/year.

#### 5. Researcher Grant (hereinafter referred to as the "Grant")

Researchers receive the following financial grants:

- (1) Research support grant: ¥180,000 per month  
In principle, this is transferred to the individual's account by the end of each month (The portion for October, November 2021 is scheduled to be transferred at the end of December 2021). As this income is classified as miscellaneous income, a tax return is required every year.  
\* International students may not be required to file a tax return by following tax treaty procedures.
- (2) Research expenses ¥250,000 annually  
The University manages research expenses. Expenditures will be made in accordance with the University's accounting procedures and research projects.

\* The amounts of (1) the research support grant and (2) research expenses may both be increased for the following year if a student is selected as an Excellent Next Generation Researcher based on the results of QE1, QE2, etc. conducted at the end of the 1st or 2nd year of the Doctoral Program (a year higher for the Doctor of Medicine Course.)

#### 6. Payment Period

The grant payment period is three years maximum.

\* For those admitted to the Doctoral Course (or the second year of the Medical Doctoral Program) before October 2021, the payment period will start from October 2021 and last until the end of the three years from the time of admission to the Doctoral Program (or the second year of the Medical Doctoral Program). The payment period may be shortened if payment

suspension/stoppage requirements are met. However, for those experiencing life events such as childbirth or childcare, the support period can be suspended or extended depending on individual circumstances.)

7. Application Documents

- (1) THERS Interdisciplinary Frontier Next Generation Researcher Application (Form 1)
- (2) Research Outline (Form 2)
- (3) Academic Advisor Recommendation (Form 3)
- (4) Application Outline Video (For details, see the attached “About Creating a Video”)

8. Application process (For details, refer to separate manual for how to apply.)

Applications may be completed using the following process.

- (1) Registration via the pre-application registration form (Registration of applicant information only. Applications are not submitted at this stage.)

**Pre-application registration period:**

**Tuesday, September 7 to Monday, September 13, 2021 at 13:00 PM**

- The URL for the pre-application registration form is listed below.

URL: <https://dec.nagoya-u.ac.jp/5155-2/>

- Fill in the necessary information using the pre-application registration form and apply.  
Note that we will not accept applications received after the application period under any circumstances.

**Points to Note**

- The pre-application registration form is a **required step** for issuing an application number, so be sure to complete it by the deadline.
- The application number issued at the time of pre-application registration will be used in the subsequent screening procedure, so be sure to write it down.
- The pre-registration procedure is the same for internal applicants (those who are enrolled at Nagoya University and have been issued a Nagoya University ID) and external applicants (those other than internal applicants).

(2) Submitting your application

**Submission period:**

**Wednesday, September 15 to Tuesday, September 21, 2021 at 13:00 PM**

**Submission Documents and Submission Methods:**

Document Name	Submitted by	File Name	Submission Method		Remarks
			Internal Applicant	External Applicant	
<b>Form 1:</b> (1) THERS Interdisciplinary Frontier Next Generation Researcher Application	Applicant	Form 1 (application number)	Submit using NUCT	Submit as e-mail attachment Submit to: <a href="mailto:nu-fellowship2@adm.nagoya-u.ac.jp">nu-fellowship2@adm.nagoya-u.ac.jp</a>	Submit Forms 1 and 2 as a single PDF file
<b>Form 2:</b> Research Outline					
<b>Form 3:</b> Academic Advisor Recommendation	Person Who Prepared the Recommendation	Form 3 (application number)	Submit using the Form 3 submission form: <a href="https://dec.nagoya-u.ac.jp/inquiry/researcher_form3">https://dec.nagoya-u.ac.jp/inquiry/researcher_form3</a>		Submit as a PDF file
<b>Application Outline Video</b>	Applicant	Mov (application number)	Submit by NUSS		See the attachment for how to create a video
			*Check NUCT for the submission URL	*Check email for the submission URL	

**<Forms 1 and 2>**

**Submission method: - The applicant should submit the forms by the following method.**

- When submitting, make Forms 1 and 2 into a single PDF file and name it with form1(application number).

- (i) Internal applicants (Individuals enrolled at Nagoya University who have been issued a Nagoya University ID)

**Submit your application using Nagoya University Collaboration and Course Tools (NUCT)**

- For those who have applied in (1), the site information for the application field will be displayed on NUCT on the first day of application period. To apply, you are asked to download the application documents from the Doctoral Education Consortium website, prepare the application documents, use the project submission function of the NUCT application field site, and submit your application during the above submission period.

- (ii) External applicants (Individuals not considered internal applicants)

Sending applications by email

- After applying according to (1), download the application documents from the Doctoral Education Consortium website, prepare the application documents, and then submit your application to the email address below within the above submission period. (\*Note that the time it is received is determined by when it is received by our email server)

If you have submitted your application, you will receive a confirmation email approximately 1–2 days (if you registered on a Saturday, Sunday, or holiday, the next weekday) after your application is received. If you have not received a confirmation email, please contact the following email address.

○Send to [nu-fellowship2@adm.nagoya-u.ac.jp](mailto:nu-fellowship2@adm.nagoya-u.ac.jp)

**<Form 3>**

- Submission method:** - The person who prepared the recommendation should directly submit the form by the following method.
- When submitting, make Form 3 into a PDF file and name it with Form 3 (application number).

Submit using the Form 3 submission form:

[https://dec.nagoya-u.ac.jp/inquiry/researcher\\_form3](https://dec.nagoya-u.ac.jp/inquiry/researcher_form3)

- Download the application documents from the Doctoral Education Consortium website, fill out the Form 3 submission form, and submit Form 3 by uploading it within the above submission period.

**<Application Outline Video>**

**Contents of the video:** - The applicant prepares an Application Outline Video that includes ① and ② below (The video is no more than 3 minutes and does not exceed 30Mb file size. Include a four-slides presentation. The first page is the cover page.

① Outline of your research and research plan  
(The value and positioning of your research, what you will actually do, and your plan for the next three years)

② A targeted image of the researcher and your activities to achieve it

**Submission method:** - The applicant should submit by the following method.

- When submitting a video, use mp4 format and **name the file as mov (application number)**.
- Refer to the attached “About Creating a Video” for the content, format, and method of creating a video.
- The "Application Outline Video" will also be used as the "Applicant's Briefing" at the interview.
- Submit your created video by NUSS (Nagoya University Storage Service). After pre-application registration, confirm the submission URL on the NUCT dashboard if you are an internal applicant or by e-mail



from the secretariat if you are an external applicant.

## 9. Screening and results

### (1) Screening

We will conduct a 1st screening (document screening) and a 2nd screening (interview screening). However, some applicants who pass the 1st screening may, depending on their 1st screening results, be exempted from the 2nd screening and be accepted based only on the 1st screening. The 2nd screening (interview screening) is conducted for those who pass the 1st screening (document screening), except for those who are exempted from the 2nd screening.

The screening will basically be conducted based on your first choice field, although this may be changed to your second or third choice field, depending on the state of applications.

#### **Points to Note**

- The 2nd screening (interview screening) will be held on the following dates and times. Note that there are differences between Recruitment 1 and Recruitment 2 and 3. Also note that we cannot accept any requests regarding dates and times.
- Interviewees will be notified in the same manner as in “(3) Notification of results”, “Notification methods”.

#### **interview dates**

**Recruitment 1: Thursday, October 21 at 9:00-18:00**

**Recruitment 2, 3: Tuesday, November 2 at 9:00-18:00**

Applicants will be notified about 2-3 days prior to the interview date.

### (2) Screening policy

Evaluation items are as follows and will be evaluated based on individual factors.

- (i) Applicants have the ability to conduct joint research with leading research institutions and companies, including those overseas, or to conduct challenging research in interdisciplinary research areas.
- (ii) Applicants can be fully expected to become outstanding doctoral human resources for the future.
- (iii) Applicants must bring unique research methods, and research targets must be set appropriately within the standard period of study.
- (iv) Applicants must be clearly aware of their career path after obtaining their doctorate and demonstrate the ability to cultivate the capabilities needed over the standard period of study.

### (3) Notification of results

Successful candidates will be notified as follows.

#### **Notification of results**

**Thursday, November 18**

○ Notification methods

-	Internal applicants (Individuals enrolled at Nagoya University who have been issued a Nagoya University ID) Notification via the Nagoya University Portal (NUPortal: <a href="https://portal.nagoya-u.ac.jp/">https://portal.nagoya-u.ac.jp/</a> )
-	External applicants (Individuals not considered internal applicants) Notification via the email address registered at the time of application

10. Obligations of Researchers

Researchers have the following obligations.

- (1) Submission of a report on research for the year and a research activity plan for the following year and thereafter.
- (2) Interviews with mentors or career counselors.
- (3) Application to the Japan Society for the Promotion of Science's Research Fellowship for Young Scientists
- (4) QE1 and QE2 examination.
- (5) Participation in career development and training content
- (6) Training on the use of public funds and participation in research ethics education designated by the University.
- (7) Registration of data on the implementation status of obligations in designated systems.
- (8) Cooperation with inquiries after the Researcher period.
- (9) Other matters required by the University.

11. Suspension of grant payments

Grant payments will be suspended if any of the following apply.

- (1) Withdrawal, expulsion, or transfer from the University.
- (2) Suspension from the University.
- (3) Poor academic performance. (Failure to pass QE1 and QE2.)
- (4) Failure to report research results for each year.
- (5) Existence of a reason why grant payments are deemed no longer necessary.
- (6) Application qualification (3) (i)–(v) is met.
- (7) Existence of facts other than (1)–(6) that are inappropriate for a Researcher.

12. Returning grant funds

If there are grant funds that were received despite the individual being ineligible due to the suspension or stoppage of payment, the portion of the funds paid that the individual is not eligible to receive must be returned to the University.

13. Obligation to cooperate with inquiries after the researchership ends

This system is operated with assistance from MEXT's Challenging Research Program for Next Generation Researchers. Therefore, surveys may be conducted on participants' current employment status etc. for 10 years following the end of this program.

Previous participants may be contacted even after the Researcher period has ended. If your address, place of employment, email address, and so on has changed, be sure to contact the University's points of contact.

Inquiries regarding Interdisciplinary Frontier  
Next Generation Researcher  
Education Planning Division, Education & International  
Affairs Department, Doctoral Education Consortium  
E-mail: [nu-fellowship@adm.nagoya-u.ac.jp](mailto:nu-fellowship@adm.nagoya-u.ac.jp)

Inquiry Form



<https://dec.nagoya-u.ac.jp/inquiry/top>

# 2021 THERS Interdisciplinary Frontier Next Generation Research Program Application (Recruitment 1) [Form 1]

Courses taking applications (As of October 2021)

Category	Year
Doctoral Course	Enrolled first-year student
Doctoral Course in Medicine	Enrolled second-year student

Application field [first choice]	Please check the first choice application field <input type="checkbox"/> Bioscience <input type="checkbox"/> Interdisciplinary & Ground-breaking Sciences <input type="checkbox"/> Decarbonization & Environment <input type="checkbox"/> Global Research		
Application field [second choice] *Optional	Please check the second choice application field (optional) <input type="checkbox"/> Bioscience <input type="checkbox"/> Interdisciplinary & Ground-breaking Sciences <input type="checkbox"/> Decarbonization & Environment <input type="checkbox"/> Global Research		
Application field [third choice] *Optional	Please check the third choice application field (optional) <input type="checkbox"/> Bioscience <input type="checkbox"/> Interdisciplinary & Ground-breaking Sciences <input type="checkbox"/> Decarbonization & Environment <input type="checkbox"/> Global Research		
Application Number *10 digits (1 alphabetic character + 9 numeric digits)			
Year of Enrollment	Please check the appropriate year of enrollment. Doctoral Course <input type="checkbox"/> April 2021 enrollment/advancement <input type="checkbox"/> October 2021 enrollment/advancement Doctoral Course in Medicine <input type="checkbox"/> April 2020 enrollment/advancement <input type="checkbox"/> October 2020 enrollment/advancement (Other                                      )		
Name		Age	
		Date of Birth	
Affiliation (For applicants from other universities, also include the name of the university)	(University)	(Graduate School)	(Major)
Student Number	*Please fill in your Student Number at the time of application.		
Enrolled Category (As of October 2021)	<input type="checkbox"/> Enrolled <input type="checkbox"/> Leave of absence <input type="checkbox"/> Study abroad ( YYYY MM ) <= If you chose to take a leave of absence or study abroad, please enter the date you expect to return to school by.		
Contact Information	Mobile phone number		
	Email address		
WISE Program Students enrolled in Leading Graduate School Programs, or other programs (Only applicable individuals)	If you are or were a student enrolled in the WISE Program, Leading Graduate School Programs, or other programs, check the appropriate box. <input type="radio"/> WISE Program <input type="checkbox"/> GTR <input type="checkbox"/> DII <input type="checkbox"/> CIBoG <input type="checkbox"/> TMI <input type="radio"/> Leading Graduate School Programs <input type="checkbox"/> Space Exploration <input type="checkbox"/> PhD Professional <input type="checkbox"/> Real-world Data Circulation <input type="checkbox"/> Well-Being <input type="radio"/> Other (                                      ) Enter the program name.		
Scholarship Status (As of October 1, 2021)	Receipt of the following scholarships: <input type="checkbox"/> Not receiving <input type="checkbox"/> Receiving (If "Receiving," you may not apply.) • An individual in the Japan Society for the Promotion of Science's Research Fellowship for Young Scientists • Receiving a scholarship under the Japanese Government (Monbukagakusho: MEXT) Scholarships or from their home country • Nagoya University Interdisciplinary Frontier Fellowship Application • Other financial subsidies (Items that are not eligible for co-payment with our fellowship system)		
Applicable to the income limit (As of October 1, 2021)	Income limit: <input type="checkbox"/> Not applicable <input type="checkbox"/> Applicable (If "Applicable," you may not apply.)  *A student who is deemed to be receiving stable income from their university or company, such as a salary or executive remuneration, at a level sufficient to cover living expenses (2.4 million yen/year) may not apply.		

\*Please fill in the same content as the application pre-registration.

## 2021 THERS Interdisciplinary Frontier Next Generation Research Program Outline [Form 2-A]

In the Interdisciplinary Frontier Next Generation Research Program, there is a strong need to conduct **collaborative research and interdisciplinary research**. To further develop your own research, please carefully consider what kind of collaborative or interdisciplinary research you would like to do. After considering this, please consult with your faculty advisor and make a plan. Please specify them in the application form below. Also, some members of the review panel are professors from different fields. Please use sentences and expressions that non-specialists can understand.

[Research Project Name]

[Research Plan] (Make it clear. Diagrams and figures may be included. Please limit this item to **one (1) page**. Forms cannot be changed or added (Same is true for the forms below))

(1) Positioning of research

With regard to the position of the research to be conducted in the Doctoral Course (Doctoral Course in Medicine) **for three years**, please indicate the context and issues in the relevant field, as well as the background to the conception of this research plan.

## 2021 THERS Interdisciplinary Frontier Next Generation Research Program Outline [Form 2-B]

[Research Plan] (Make it clear. Diagrams and figures may be included. Please limit this item to **two (2) pages**. Forms cannot be changed or added (Same is true for the forms below))

(2) Research objectives and details

- [1] Describe the research objectives, research methods, and details of the research to be conducted.
- [2] Please specify the plan, what you intend to clarify in your research, and how much or to what degree you intend to clarify.
- [3] Please describe the unique and creative points of your research (compared with previous research, the expected impact at the time of completion of your research, future prospects, and so on).
- [4] Please clarify the part that the person making the proposal will be responsible for in relation to the research activities of the laboratory to which they are affiliated.
- [5] If you plan to engage in research at a different research institution (including research institutions in foreign countries) during the period of your research plan, please specify.

## 2021 THERS Interdisciplinary Frontier Next Generation Research Program Outline [Form 2-C]

[Self-analysis of research performance, etc.] \*There is no limit to the number of characters in each item. However, all should be included on one **(1) page**.

Please specify your own strength(s) in this field, including the research plan described in this application, based on your experience in past research activities. In particular, the Interdisciplinary Frontier Next Generation Research Program aims to resolve various issues facing the world and Japan, and to develop doctoral human resources who will lead a future knowledge-based society. Please describe any abilities and so on gained through past experiences in activities regarding this purpose.

## 2021 THERS Interdisciplinary Frontier Next Generation Research Program Outline [Form 2-D]

[Your ideal image of a researcher, etc.] \*There is no limit to the number of characters in each item. However, all should be included on one (1) page.

The Interdisciplinary Frontier Next Generation Research Program aims to resolve various issues facing the world and Japan, and to develop doctoral human resources who will lead a future knowledge-based society. In light of this purpose, please describe (1) "Your ideal image of a researcher" and "Your post-doctoral career path" as well as (2) "Factors you consider necessary to realize your career path" and "Planned activities and experiences." In particular, in this Program, it is recommended to conduct collaborative and interdisciplinary research and to have contact with many people from different fields in Japan and overseas. Please describe your motivation for these efforts and specific activities.



# 2021 THERS Interdisciplinary Frontier Next Generation Research Program Academic Advisor Recommendation [Form 3]

Application Number:

Applicant name:

Please limit this item to one (1) page. Forms cannot be changed or added

The Interdisciplinary Frontier Next Generation Research Program aims to resolve various issues facing the world and Japan, and to develop doctoral human resources who will lead a future knowledge-based society. For this reason, this Program requires collaborative and interdisciplinary research in order to develop its student's own research. As a researcher, you are expected to think about with who, how, and what you should do as a collaborative or interdisciplinary researcher, and plan and execute your plan to obtain your degree. Therefore, as a faculty advisor, you are expected to understand the purpose and intent of these activities and to provide guidance to the applicant. In the recommendation form, please describe the applicant's abilities and the research that the applicant will be working on, based on a thorough understanding of this Program.

The person who prepares the recommendation should have a firm understanding that the applicant will be expected to achieve the objectives of this Program **in three years** and that the applicant will be expected to play an active role in society upon receiving their degree.

Name of the Person Who Prepared the Recommendation

Graduate School and Major  
For applicants from other universities, include the name of the university

Relationship with the Applicant

Strength as a researcher

Factors considered necessary for future activities in society

## 2021 THERS Interdisciplinary Frontier Next Generation Research Program Academic Advisor Recommendation [Form 3]

Please limit this item to one (1) page. Forms cannot be changed or added

In the Interdisciplinary Frontier Next Generation Research Program, collaborative research and interdisciplinary research are essential. Please describe the “guidance plan” for accepting the applicant, and the “Relationship and expected synergistic effects of the applicant’s planned collaborative/interdisciplinary research” with the research being conducted by the accepted researcher or their laboratory.

(Clarify not only the developmental potential of the applicant’s research, but also the expected impact and spillover effect on the research of the accepted researcher (laboratory) by accepting the applicant.)

# 2021 THERS Interdisciplinary Frontier Next Generation Research Program Application (Recruitment 2, 3) [Form 1]

Courses taking applications [Recruitment 2] (As of October 2021)

Courses taking applications [Recruitment 3] (As of October 2021)

Category	Year
Doctoral Course	Enrolled second-year student
Doctoral Course in Medicine	Enrolled third-year student

Category	Year
Doctoral Course	Enrolled third-year student
Doctoral Course in Medicine	Enrolled fourth-year student

Application field [first choice]	Please check the first choice application field <input type="checkbox"/> Bioscience <input type="checkbox"/> Interdisciplinary & Ground-breaking Sciences <input type="checkbox"/> Decarbonization & Environment <input type="checkbox"/> Global Research		
Application field [second choice] *Optional	Please check the second choice application field (optional) <input type="checkbox"/> Bioscience <input type="checkbox"/> Interdisciplinary & Ground-breaking Sciences <input type="checkbox"/> Decarbonization & Environment <input type="checkbox"/> Global Research		
Application field [third choice] *Optional	Please check the third choice application field (optional) <input type="checkbox"/> Bioscience <input type="checkbox"/> Interdisciplinary & Ground-breaking Sciences <input type="checkbox"/> Decarbonization & Environment <input type="checkbox"/> Global Research		
Application Number *10 digits (1 alphabetic character + 9 numeric digits)			
Year of Enrollment	Please check the appropriate year of enrollment. <b>[Recruitment 2]</b> Doctoral Course <input type="checkbox"/> April 2020 enrollment/advancement <input type="checkbox"/> October 2020 enrollment/advancement Doctoral Course in Medicine <input type="checkbox"/> April 2019 enrollment/advancement <input type="checkbox"/> October 2019 enrollment/advancement (Other ) <b>[Recruitment 3]</b> Doctoral Course <input type="checkbox"/> April 2019 enrollment/advancement <input type="checkbox"/> October 2019 enrollment/advancement Doctoral Course in Medicine <input type="checkbox"/> April 2018 enrollment/advancement <input type="checkbox"/> October 2018 enrollment/advancement (Other )		
Name		Age	
		Date of Birth	
Affiliation	(Graduate School) (Major)		
Student Number			
Enrolled Category (As of October 2021)	<input type="checkbox"/> Enrolled <input type="checkbox"/> Leave of absence <input type="checkbox"/> Study abroad (YYYY MM) <= If you chose to take a leave of absence or study abroad, please enter the date you expect to return to school by.		
Contact Information	Mobile phone number		
	Email address		
WISE Program Students enrolled in Leading Graduate School Programs, or other programs (Only applicable individuals)	If you are or were a student enrolled in the WISE Program, Leading Graduate School Programs, or other programs, check the appropriate box. <input type="radio"/> WISE Program <input type="checkbox"/> GTR <input type="checkbox"/> DII <input type="checkbox"/> CIBoG <input type="checkbox"/> TMI <input type="radio"/> Leading Graduate School Programs <input type="checkbox"/> Space Exploration <input type="checkbox"/> PhD Professional <input type="checkbox"/> Real-world Data Circulation <input type="checkbox"/> Well-Being <input type="radio"/> Other ( ) Enter the program name.		
Scholarship Status (As of October 1, 2021)	Receipt of the following scholarships: <input type="checkbox"/> Not receiving <input type="checkbox"/> Receiving (If "Receiving," you may not apply.) • An individual in the Japan Society for the Promotion of Science's Research Fellowship for Young Scientists • Receiving a scholarship under the Monbukagakusho Scholarship Program or from their home country • Nagoya University Interdisciplinary Frontier Fellowship Application • Other financial subsidies (Items that are not eligible for co-payment with our fellowship system)		
Applicable to the income limit (As of October 1, 2021)	Income limit: <input type="checkbox"/> Not applicable <input type="checkbox"/> Applicable (If "Applicable," you may not apply.) *A student who is deemed to be receiving stable income from their university or company, such as a salary or executive remuneration, at a level sufficient to cover living expenses (2.4 million yen/year) may not apply.		

\*Please fill in the same content as the application pre-registration.

# 2021 THERS Interdisciplinary Frontier Next Generation Research Program Outline [Form 2-A]

The Interdisciplinary Frontier Next Generation Research Program aims to resolve various issues facing the world and Japan, and to develop doctoral human resources who will lead a future knowledge-based society. If you plan to collaborate with people from different fields to develop your own research, please include that information. If you have already decided on and are carrying out your research, please consider and describe what you can do to have as many opportunities as possible to interact with people from different fields during your remaining years of graduate school. Some members of the review panel are professors from different fields. Please use content and expressions that non-specialists can understand.

[Research Project Name]

[Research Plan] (Make it clear. Diagrams and figures may be included. Please limit this item to **one (1) page**. Forms cannot be changed or added (Same is true for the forms below))

(1) Positioning of research

With regard to the position of the research you are conducting in the three-year Doctoral Course (Four-year Doctoral Course in Medicine), please indicate the context and issues in the relevant field, as well as the background to the conception of this research plan.

(2) Research objectives and details

[1] Research objectives, research methods, and details of the research to be conducted.

[2] What is the plan, how clear is it, and what will be done in the remaining time?

[3] Unique and creative points of your research (compared with previous research, the expected impact at the time of completion of your research, and so on).

[4] If you will engage (or have engaged) in research at a different research institution (including research institutions in foreign countries) during the period of your research plan, please specify.

## 2021 THERS Interdisciplinary Frontier Next Generation Research Program Outline [Form 2-B]

[Your ideal image of a researcher, etc.] \*There is no limit to the number of characters in each item. However, all should be included on one **(1) page**.

The Interdisciplinary Frontier Next Generation Research Program aims to resolve various issues facing the world and Japan, and to develop doctoral human resources who will lead a future knowledge-based society. In light of this purpose, please describe (1) "Your ideal image of a researcher" and "Your post-doctoral career path" as well as (2) "Factors you consider necessary to realize your career path" and "Conducted (or planned) activities and experiences." In particular, in this Program, it is recommended to conduct collaborative and interdisciplinary research and to have contact with many people from different fields in Japan and overseas. If there are any specific related activities, please describe them as well.

# 2021 THERS Interdisciplinary Frontier Next Generation Research Program Academic Advisor Recommendation [Form 3]

Application Number:

Applicant name:

Please limit this item to one (1) page. Forms cannot be changed or added

The Interdisciplinary Frontier Next Generation Research Program aims to resolve various issues facing the world and Japan, and to develop doctoral human resources who will lead a future knowledge-based society. In the recommendation form, please describe the research that the applicant is working on and the applicant's abilities, based on a thorough understanding of this Program.

The person who prepares the recommendation should have a firm understanding of the applicant's attitude toward research and that the applicant will be expected to play an active role in society upon receiving their degree.

Name of the Person Who  
Prepared the Recommendation

Graduate School and Major  
For applicants from other universities,  
include the name of the university

Relationship with the  
Applicant

Research to be conducted by the applicant: Relationship to the research being conducted by the accepted researcher or their laboratory, impact, and spillover effect on the research of the accepted researcher (laboratory).

Applicant's own abilities: Strengths as a researcher, and factors considered necessary for future activities in society

## Creating a video overview of the application

[Common Instruction to both the Interdisciplinary Frontier Fellowship and the Interdisciplinary Frontier Next Generation Researcher]

Please follow the instructions below to create a video as part of the application materials.

### [Content]

1. Explain both your research content and an outline of your research plan in the application form in a way that someone in a completely different field of expertise can understand.
2. You must include in your explanation the value and positioning of your research, what you will actually do, and your three-year plan.
3. In addition, please briefly mention the following points.
  - In the case of the Fellowship, an image of the target researcher and the activities to be implemented for it.
  - In the case of the Researcher, the purpose of the interdisciplinary research, your activities for that purpose, and activities to become a person who can be active in Japan and overseas

### [Creation Method]

#### 1. **Four or fewer PowerPoint slides**

Slide 1 should include: **Application Number**, Title of Research, Affiliation, Year, Name (Please use the same notation as the application form.)

Slides 2 to 4: The above noted content

2. **Under 3 minutes in length**. Data must not exceed **30 MB in size**. Using elaborate animations or large photos will increase data size. Please keep it simple for the sake of clarity.
3. How you record is up to you. Here are some examples.
  - When recording with face and sound on in PowerPoint's "Record Slide Show," save the video in "mp4" format. (Please refer to the second and subsequent pages for instructions.)
  - When recording with Zoom, or a video camera or smartphone, make sure that PowerPoint slides are clearly visible.
4. The file name should follow the format below: If you cannot comply with this, your submission may not be reviewed.  
**mov (Application Number) For example; mov(A210012345)**

### [Notes]

1. The review panel members may not be teachers of your major field. Avoid using technical terms as much as possible, and replace them, for example, with higher level words to make your explanation understandable to everyone.
2. The video will be used for the following two purposes.
  - (1) To understand the outline of the application written by the applicant. If this video is hard to understand, it will be difficult to understand the application form.
  - (2) **If you pass the document screening, this same video will be used as material for the interview**. Therefore, the interview session will be dedicated solely to questions and answers. You will not recreate a new video for the interview.
3. The review panel will conduct a large number of reviews. The panel may not be able to re-watch videos or take time to read each application carefully. Videos need to convey the main points accurately so that they can be understood in a short time. Embedding several PowerPoints on a single sheet, for example, is too much information and may not be easily understood by the panel.
4. Your voice of explanation should be clear, loud enough, and confident.
5. English speakers may write in English and explain in English. However, since the review panel members are faculty members outside of your field of expertise, you need to explain things in a way that is easy to understand.
6. If these preparation precautions are not followed, your application will not be reviewed.

## **How to Make a narrated PowerPoint on Windows**

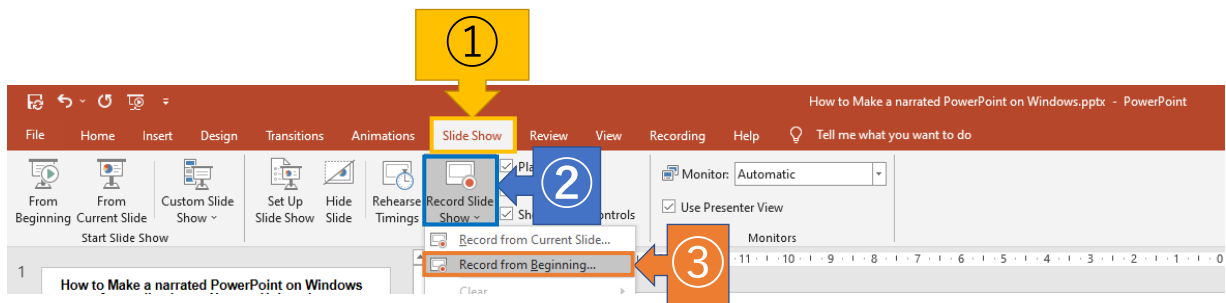
- This is for applicants to show how to record audio in Microsoft Office PowerPoint 2019.
- Please note PowerPoint version in this guideline is Microsoft Office 2019.
- Please refer to the URL at the end of this guideline.

## **Guideline for making an application presentation**

- Make it within 4 slides
  - a) you need to put your information as followed on the 1<sup>st</sup> slide.  
     application No., title of your research, affiliation, grade and name\*  
     \*The name should be the same as on the application form.
  - b) Refer to the file named “about making a video summary of the application” for the 2<sup>nd</sup>, 3<sup>rd</sup>, and 4<sup>th</sup> slides.
- Presentation time: Within 3 minutes (Please keep the time)
- File size: 30MB or less
- File format: MP4
- File name: mov(application number) e.g.: mov(A210012345)

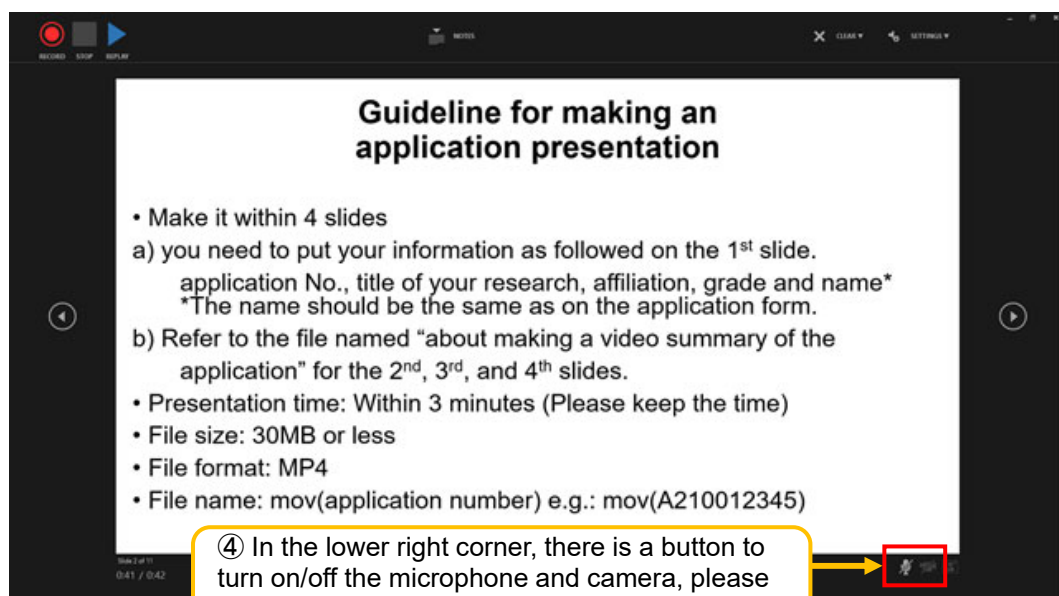


## How to record narration

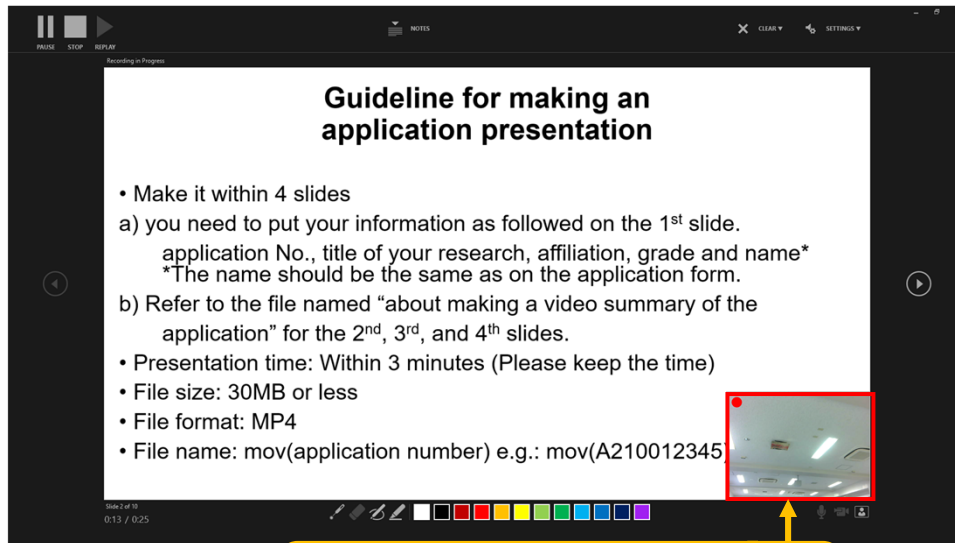


- ① Click the **Slide Show** tab
- ② Click **Record Slide Show**
- ③ Click **Record from Beginning**

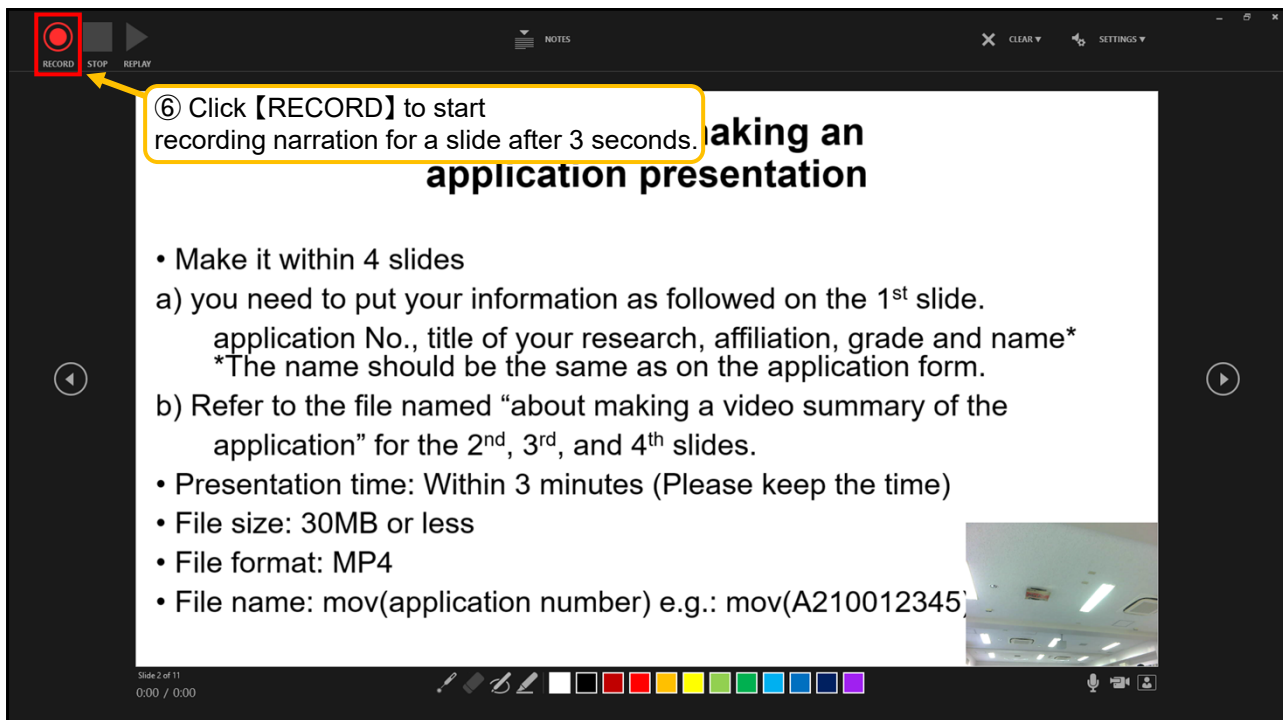
## How to record narration



## How to record narration




⑤ When you turn on the camera, a frame will appear in the lower right corner of the screen, so make sure your face is visible.



⑦ Record your narration into the microphone.  
※The slides can be advanced at any time.

## How to record narration

Click **【PAUSE】** to pause the recording.  
Click **【STOP】** to end the recording.

Click this  (or clicking on slide or enter key) to advance to the next slide.

You can see the page number of the slide and recording time can be checked.

Slide 1 of 12  
0:11 / 0:11

## How to record narration

When you move to the next slide on the last slide, you will see this screen.

⑧ Click here  to finish

End of slide show, click to exit.

Slide 10 of 10  
0:02 / 1:35

## Making videos of slides

① Click 「File」

② Click 「Save As」

③ File name: mov(application number)  
Please save as **mp4**.

The 'Save As' dialog box shows the following file formats:

- PowerPoint Presentation (\*.pptx)
- PowerPoint Macro-Enabled Presentation (\*.pptm)
- PowerPoint 97-2003 Presentation (\*.ppt)
- PDF (\*.pdf)
- XPS Document (\*.xps)
- PowerPoint Template (\*.potx)
- PowerPoint Macro-Enabled Template (\*.potm)
- PowerPoint 97-2003 Template (\*.pot)
- Office Theme (\*.thmx)
- PowerPoint Show (\*.ppsx)
- PowerPoint Macro-Enabled Show (\*.ppsm)
- PowerPoint 97-2003 Show (\*.pps)
- PowerPoint Add-in (\*.ppam)
- PowerPoint 97-2003 Add-in (\*.ppa)
- PowerPoint XML Presentation (\*.xml)
- MPEG-4 Video (\*.mp4)**
- Windows Media Video (\*.wmv)
- GIF Graphics Interchange Format (\*.gif)
- JPEG File Interchange Format (\*.jpg)
- PNG Portable Network Graphics Format (\*.png)
- TIFF Tag Image File Format (\*.tif)
- Device Independent Bitmap (\*.bmp)
- Windows Metafile (\*.wmf)
- Enhanced Windows Metafile (\*.emf)

## Reference : Creating a narrated video in Power Point

<https://support.microsoft.com/en-us/office/record-a-slide-show-with-narration-and-slide-timings-0b9502c6-5f6c-40ae-b1e7-e47d8741161c>

## **For those who don't have PowerPoint**

### **Tokai National Higher Education and Research System Account**

- Nagoya University students can use their Tokai National Higher Education and Research System account to download Microsoft Office 365 desktop applications (**including PowerPoint**).
- For more information on how to use your organization account, please see below URL.

<https://translate.google.com/translate?sl=ja&tl=en&u=https://icts.nagoya-u.ac.jp/ja/services/thersac/>

- Please note that the web version of PowerPoint that can be used with the old account (account with a university-wide email address) has limited functionality and cannot be used to create videos.

**If you have any questions about this account, please contact us at the following URL.**

<https://translate.google.com/translate?sl=ja&tl=en&u=https://thersac.icts.nagoya-u.ac.jp/hc/ja>

2021 THERS Interdisciplinary Frontier Next Generation Researcher  
Application Checklist (For applicants)

Use this checklist to ensure that you have prepared your application in line with the Interdisciplinary Frontier Fellowship Application Manual.

Check that all of the items in the application documents have been completed correctly before submitting your application.

You **do not need to submit** this checklist.

[Form1-2]

Item	What to Check	Checked
Footer	Does your application number appear <b>at bottom right</b> of all pages?	
Page number	Does the page number appear <b>at bottom center</b> of all pages?	
Number of pages	Is each of the forms within the specified number of pages for that form? <Recruitment 1> Form 1: 1 page Form 2-A : 1 page, Form 2-B : 1~2 page Form 2-C : 1 page, Form 2-D : 1 page <Recruitment 2, Recruitment 3> Form 1: 1 page Form 2-A : 1 page, Form 2-B : 1 page	
Number of pages	Is the number of pages in the document as per the manual? Recruitment 1: Up to 6 pages Recruitment 2, Recruitment 3: 3 pages	
Editing of forms	Are the borders and tables in the forms unchanged?	
Editing of forms	Are the titles and explanations of each item unchanged or deleted?	
Missing information	Have all fields been entered?	
Saved format	Have Forms 1 and 2(A~D) been combined into a single file and saved in PDF format?	

File name	Is the file name form1(application number)? Bioscience: <b>B+ 9 numeric digits</b> Interdisciplinary & Ground-breaking Sciences: <b>K+ 9 numeric digits</b> Decarbonization & Environment: <b>D+ 9 numeric digits</b> Glocal Research: <b>G+ 9 numeric digits</b>	
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[Form3]

Item	What to Check	Checked
Footer	Does your application number appear <b>at bottom right</b> of all pages?	
Page number	Does the page number appear <b>at bottom center</b> of all pages?	
Number of pages	Is each of the forms within the specified number of pages for that form?	
Editing of forms	Are the borders and tables in the forms unchanged?	
Editing of forms	Are the titles and explanations of each item unchanged or deleted?	
Missing information	Have all fields been entered?	
Saved format	Is the file in PDF format?	
File name	Is the file name form3(application number)?	

【Application Overview Video】

Item	What to Check	Checked
Page number	Is the Power Point no more than 4 slides?	
Presentation time	Is it less than 3 minutes?	
File size	Is it less than 30MB?	
File format	Is the file in mp4 format?	
File name	Is the file name mov(application number)? e.g. : mov (A210012345)	