

Please review our university's thesis and dissertation formatting guidelines and instructions.

[\(Home > Academics > Academic Information > Thesis/Dissertation\)](#)



# Sungkyunkwan University dCollection Online Thesis & Dissertation Submission Guide

# Important Notes for Thesis & Dissertation Submission

1. The Library collects and preserves theses and dissertations, but does not have the authority to approve the conformity of the content. The ultimate responsibility for the content and formatting compliance lies entirely with the author.

2. **For inquiries regarding thesis formatting, your specific degree title, department name, or major, please contact your respective department office or administrative office.**

3. The electronic file must be the final version and **must perfectly match** the printed copy.

4. You can submit the printed copy only after the status of your submitted thesis changes from **<Submission Received → Processing Completed >**.  
- **Please review your submission carefully before submitting, as file replacement or modification is strictly prohibited after the status changes to <Processing Completed >.**

5. If you encounter the error message "No submission record found" when logging into dCollection, it may be due to having multiple user identities. Please log into the Library website first, then change your active account status. (For details, please refer to FAQ #1)

6. **In the electronic file, the Approval Page (=Signature Page)** must be submitted with the committee members' names and signatures left blank.  
- (Only one printed copy requires the actual names and signatures of the committee members.)

★ **Inquiries regarding electronic file submission are accepted through the Q&A board only.**

# Contents

## 1. Thesis & Dissertation Guidelines

Pagination (English)

Specific Notes for Each Page

## 2. Frequently Asked Questions (FAQ)

## 3. Electronic File Submission Process

01. Access dCollection Website

02. Log in & Navigate to Submission Page

03. Enter Submitter Information

04. Register Thesis / Dissertation

05. Final Review

06. Complete Submission

07. Library Approval

08. Print Submission Confirmation

1

# Thesis & Dissertation Guidelines

- Pagination (English)
- Specific Notes for Each Page

# Pagination (English)

|       |            |              |                 |               |                            |                    |
|-------|------------|--------------|-----------------|---------------|----------------------------|--------------------|
| Cover | Spin cover | Inside cover | Submission form | Approval form | Table of Contents<br>- i - | Abstract<br>- ii - |
|-------|------------|--------------|-----------------|---------------|----------------------------|--------------------|

No page number

Lowercase Roman Numerals  
( i , ii , iii , ... )

|                                 |                    |     |                      |                       |                     |                 |
|---------------------------------|--------------------|-----|----------------------|-----------------------|---------------------|-----------------|
| Chapter 1<br>Main Body<br>- 1 - | Main Body<br>- 2 - | ... | Main Body<br>- 121 - | References<br>- 122 - | Appendix<br>- 123 - | 논문요약<br>- 124 - |
|---------------------------------|--------------------|-----|----------------------|-----------------------|---------------------|-----------------|

Arabic Numerals (1, 2, 3, 4, ...)

# COVER

(Cover) ← All red text must be deleted during the final review.

Ph.D. Dissertation

Ph.D. Dissertation, Master's Thesis 구분

Dissertation(Thesis) title(22p)

- Subtitle(16p) -

If the subtitle is combined into the title, separate them with a colon (:).

If the subtitle is listed separately, format it as '-Subtitle-'.

Student Name(16p)(ex:First Name Last Name)

The Graduate School

Sungkyunkwan University

Department of ○○○(16p)

※ For the College of Information and Communication Engineering, the order changes to: [Department of ○○○, The Graduate School, Sungkyunkwan University].

# Spin Cover

Ph.D. Dissertation

- Ph.D. Dissertation, Master's Thesis 구분

■ Spine Title Guidelines

Even if the title exceeds two or more lines, it must fit entirely within a single page/spine boundary.

The font size can be adjusted to an appropriate level to fit, but vertical writing must be strictly observed.

■ Year Presentation

Please make sure to verify that the year is correctly indicated as 2026.

Dissertation Title

2026

Student Name

# Inside Cover

(Inside cover) Check for consistency with the first page (Title Page).

Ph.D. Dissertation

Dissertation title(22p)

- Subtitle(16p) -

Student Name(16p)(ex:First Name Last Name)

The Graduate School

Sungkyunkwan University

Department of ○○○(16p)

# Submission form

(Submission form) ← Delete all red text during the final review.

Dissertation title(22p)

- Subtitle(16p) -

Student Name(16p)

A Ph.D. Dissertation Submitted to the Department of ○○○  
Department of ○○○ (Please verify the official English name of your  
department)

and the Graduate School of Sungkyunkwan University

in partial fulfillment of the requirements

for the degree of ○○○

degree of ○○○ (Please verify the official English name of your  
degree, e.g., Ph.D. in Economics, Master of Science in Engineering)

(Typed your degree(ex: Doctor of Philosophy 14p))

**April 2025**

† Cannot be changed

Supervised by

Major Advisor's English Name(16p)

Major Advisor

\* Do not use expressions such as "prof.", "professor", or "approved by".

\* If there are two advisors, separate their names with a comma (,).

# Approval form

(Approval form)   ← Delete all red text during the final review.

This certifies that the Ph.D. Dissertation

of Student Name(16p) is approved

Ph.D. Dissertation, Master's Thesis 구분

\* It is recommended to delete "[signature]" and "typed name".

\_\_\_\_\_  
Committee Chair :

\* You must remove all committee members' names and signatures.

\_\_\_\_\_  
Committee Member :

\_\_\_\_\_  
Committee Member :

\* 3 rows for Master's, 5 rows for Ph.D. (An additional row can be added if there are two advisors).

\_\_\_\_\_  
Committee Member :

\_\_\_\_\_  
Major Advisor :

The Graduate School

Sungkyunkwan University

June 2026

↑ Cannot be changed

2

# Frequently Asked Questions (FAQ)

# FAQ

## Q1. Troubleshooting: "No Submitter Information Found" Error

Users holding multiple ID profiles must switch their active status **to the graduate student profile** associated with their upcoming degree conferral on the Academic Information Center website.

[Path: Academic Information Center Website \(Log in with Kingo ID\) > My Library > Personal Information > Personal Information Management > Change Active Account: Switch to the profile for the upcoming degree conferral.](#)

Note 1: The profile must be set to the graduate student status for the upcoming degree to enable thesis submission.

Note 2: This graduate student profile must be maintained from the time the electronic file is submitted until its "Submission Approved" status is verified. Otherwise, you will not be able to check the real-time processing status of your thesis on dCollection.

Q2. I see a message that says, "The thesis submission period has expired. Please contact the administrator."

Please submit your inquiry through the Q&A section in the top right corner of the dCollection screen.

Q3. I cannot see the collection in the submission target list.

Please submit your inquiry through the Q&A section in the top right corner of the dCollection screen.

Q4. I see an error message that says, "This collection has already been submitted."

Go to dCollection Login > Submission History > Click on your thesis title to make modifications.

# FAQ

Q5. I have a question about formatting the spine.

- **Inquiries:** Contact your department or administrative office for overall thesis layout and formatting guidelines.
- **Subtitles:** Do not include subtitles on the spine.
- **Electronic File Location:** Insert the spine page immediately after the outer cover (the second page of the file).
- **Printed vs. Electronic:** The spine is not included in the inner pages of the printed (bound) version, but it must be included in the electronic file.

Q6. I would like to delay the public release of my thesis for a certain period due to journal publication or other reasons.

For requests to defer the public release of your thesis (embargo), please [contact your department or administrative office](#).

Q7. Are the dates on the Submission Form, Approval Form, and Graduation Date different?

Spine (측면표지): Indicate only the year of the graduation date.  
2025 Academic Year Winter Graduation > 2026  
2026 Academic Year Summer Graduation > 2026

Thesis Submission Form (심사청구서) Dates:

Summer Graduation: [April 2025 / 2025年 4月 日](#)

Winter Graduation: [October 2025 / 2025年 10月 日](#)

Approval Form (인정서/인준지) Dates:

Summer Graduation: [June 2026 / 2026年 6月 日](#)

Winter Graduation: [December 2026 / 2026年 12月 日](#)

**Note:** For exact graduation dates and specific date-entering guidelines for published documents, please contact your affiliated department or administrative office.

# FAQ

Q8. I have a question about thesis copyright and public disclosure obligations.

Copyright Agreement: [Agreeing to the Copyright Agreement is mandatory](#) when submitting your electronic file.

Scope of Disclosure: Giving consent means your full-text thesis will be available for access not only within the university but also through external partner institutions ([National Assembly Library](#), [National Library of Korea](#), and [RISS](#)).

Exception (Embargo): If you cannot disclose the full text immediately due to patent applications or journal publications, [you must still agree to the Copyright Agreement first, and then separately apply for a publication deferral \(embargo\)](#).

Doctoral Thesis Obligation: Under Article 51 of the Enforcement Decree of the Higher Education Act, doctoral theses are legally mandated to be publicly disclosed and cannot be set to "non-consent" arbitrarily.

CCL Information: For details regarding Creative Commons Licenses, please refer to [ccl.cckorea.org](http://ccl.cckorea.org).

Q9. I submitted my electronic file, but I cannot print the Submission Confirmation Form.

Status Check:Submitted: Electronic file is waiting for administrator review.

The printed version cannot be submitted, and forms cannot be printed yet.

**Processing Completed:** Electronic file has been verified by the administrator.

The electronic submission process is fully complete. You can now submit your printed version and print the Submission Confirmation Form.

How to Print: [Log in to dCollection > Click "Submission History" at the top of the screen > Click "Submission Confirmation" > Print and submit to your department/administrative office.](#)

Notification: **The review result (either "Processing Completed" or "Returned/Rejected") will be sent to your personal email.**

# FAQ

Q10. I want to modify my thesis after submission.

Before "Processing Completed": You can directly modify your thesis on the system.

After "Processing Completed": Re-submission or modification is strictly unavailable. Please review your files thoroughly before final submission.

Q11. How can I request a return of my submitted thesis?

Post-Approval Restriction: Requesting a return is strictly unavailable once the status changes to "Processing Completed".

Exceptions: If a replacement is unavoidable due to an obvious error, a return can only be processed upon an official request submitted through your affiliated department's administrative office.

Deadline: The entire process—including the return and re-submission—must be fully completed within the official thesis submission period.

Q12. How long does it take for the submitted file to be updated to "Processing Completed"?

Standard Processing Time: It takes approximately 1 to 2 working days for the status to change to "Processing Completed." Submitting your file with time to spare will ensure a smoother process.

First-Come, First-Served Principle: In principle, submitted theses are processed sequentially in the order they are received. Individual requests for expedited review will not be accepted.

Potential Delays: Please note that verification may be delayed if a large volume of submissions is concentrated close to the final deadline.

# FAQ

Q13. What should I do with blank pages in my thesis full-text file?

Blank Pages: **Remove all blank pages** from the electronic full-text file.

Acknowledgments & Biography: **Acknowledgments and personal biographies cannot be included** in the electronic file.

Exception: They may be included if you are legally or contractually required to specify institutional agreements or financial support.

Q14. Where can I download the thesis formatting template?

You can find and download it by navigating to the Sungkyunkwan University (SKKU) website > [Home > Academics > Academic Information > Thesis/Dissertation](#)

Q15. I have a question about the thesis formatting and academic record information.

The Academic Information Center is an archiving institution for completed theses.

For details regarding thesis format and content, degree names, department names, or majors, please contact your department office or administrative office.

[■ Shortcuts to Each Graduate School Guide Page](#)

# FAQ

Q16. Is ISNI (International Standard Name Identifier) issuance mandatory?

No, it is optional.

Following the guidance email sent upon completing your online submission, only those who specifically require an ISNI need to apply for it.

Q17. I cannot find my submitted thesis online.

The thesis will be switched to public access only after the official graduation date.

SKKU dCollection & RISS: Searchable approximately 2 to 3 days after the official graduation date.

National Assembly Library & National Library of Korea: Searching availability depends on the respective institution's internal review and registration process after legal deposit.

Q18. Who should I contact for inquiries?

Please reach out to the appropriate contact point based on the nature of your inquiry:

Thesis Formatting & Academic Records: [View contact details for each college/graduate school.](#)

dCollection & Electronic File Submission: Use the dCollection Q&A section.

Q19. When is the submission deadline?

**June 15, 2026 (Mon) 00:00 – July 3, 2026 (Fri) 17:00**

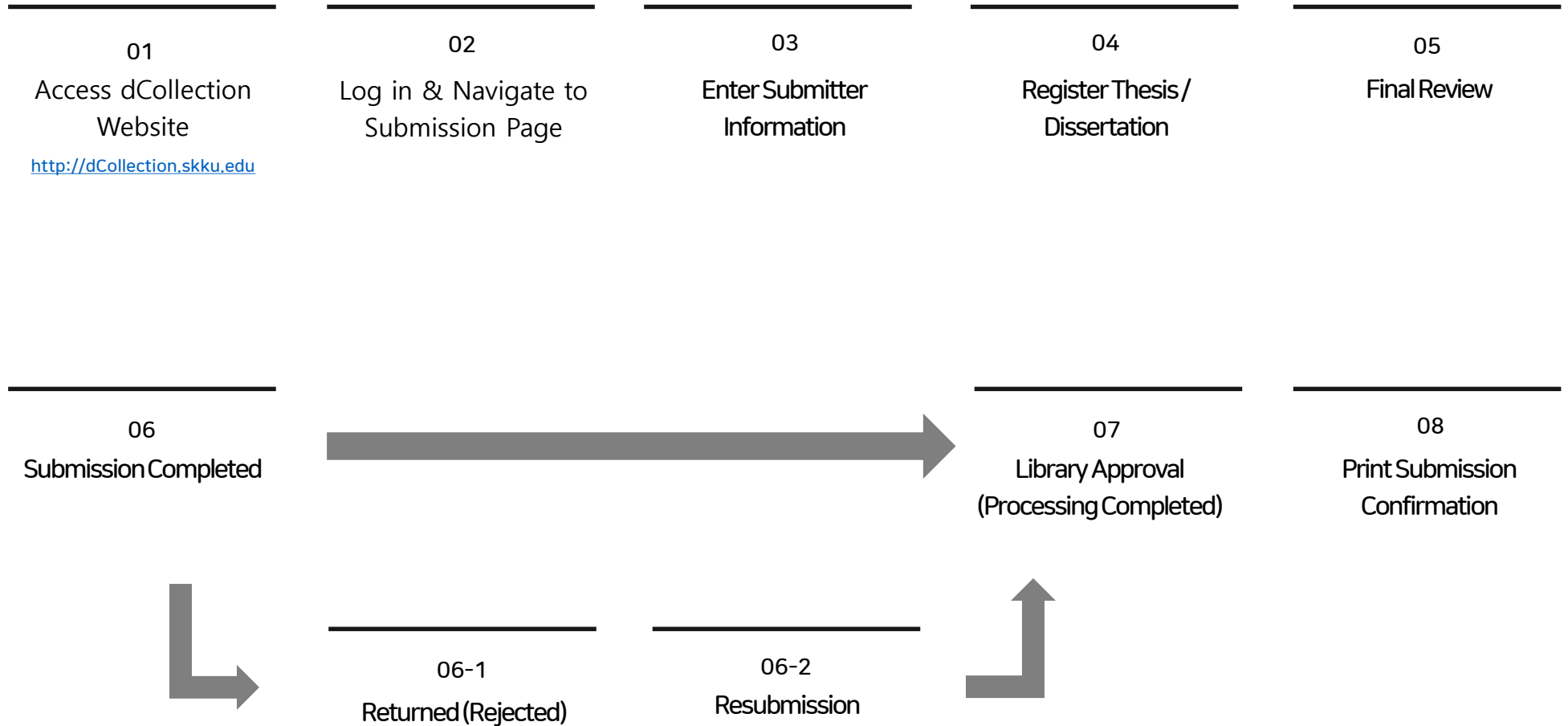
Strict Deadline: The submission period is fixed according to the official academic calendar and cannot be changed or extended.

Review Hours: Verification of electronic files is conducted only during [official business hours \(weekdays\)](#). Theses submitted after 17:00 will be processed the following business day.

3

# Electronic File Submission Process

# Submission Process



# 01

## Access dCollection Website

The screenshot displays the Sungkyunkwan University Library website. The top navigation bar includes links for 'Humanities and Social Sciences Campus', 'Natural Science Campus', 'English', 'LOGIN', 'Development fund', 'Favorites', and 'My Notifications'. A search bar is located on the right side of the header.

The main content area features a sidebar on the left with the following menu items:

- Information literacy education
  - Information literacy education
  - Replay educational videos
- Support for thesis writing and publication
  - Reference style
  - Reference management tool
  - Manuscript Submission
  - Sungkyunkwan University thesis** (highlighted with a red box)
  - Support Program
  - OA Publishing Support
  - Service Guide

The main content area is titled 'Research and learning support' (highlighted with a red box). It includes a search bar and a section for 'Sungkyunkwan University thesis'.

The 'Submission of thesis file' section is highlighted with a red box and contains the following steps:

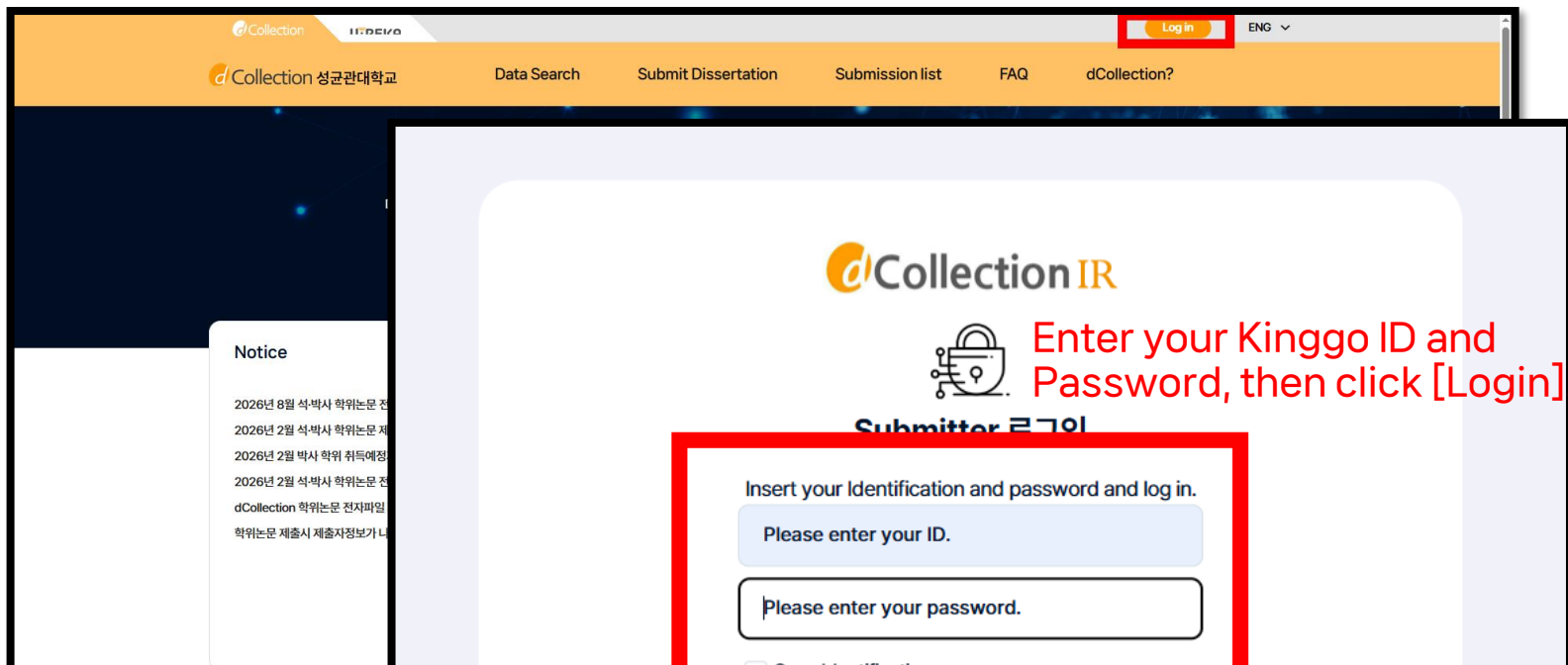
- 1 Login (Kingo ID/PW)
- 2 Enter submitter information
- 3 File Upload (PDF)
- 4 Metadata Input
- 5 Copyright Agreement and Scope of Use
- 6 Submission complete
- 7 Submission approval

The 'Download' section at the bottom includes links for 'Thesis Format and Guidelines' and 'Checkpoints Before Paper Submission'.

For dCollection Inquiries:  
Use the 'Q&A' board in  
the top right corner.

# 02

## Login and Submission Page Access



### [Troubleshooting Guide: Login & Submission Eligibility Issues]

※ If you are unable to log in, it may be due to one of the following reasons:

**Multiple Student/ID Numbers:** You hold more than one ID number within the university system (e.g., an undergraduate student ID, a graduate student ID, and an assistant/staff employee ID).

**Late Registration Status Update:** Your status was recently updated to "Expected Graduate," and you have not yet been registered as an eligible submitter in the current semester's thesis submission collection.

#### How to Fix Your Account Status:

Please check your current active status under My Library > Modify Personal Information on the SKKU Library website. Verify that your login profile is currently set to the specific student ID associated with your upcoming degree conferral.

If it is set incorrectly, go to [Change Default Login Account Information] (기본로그인계정정보변경) and select your active graduate student ID number. Your active user status must be set to "Graduate Student" to proceed.

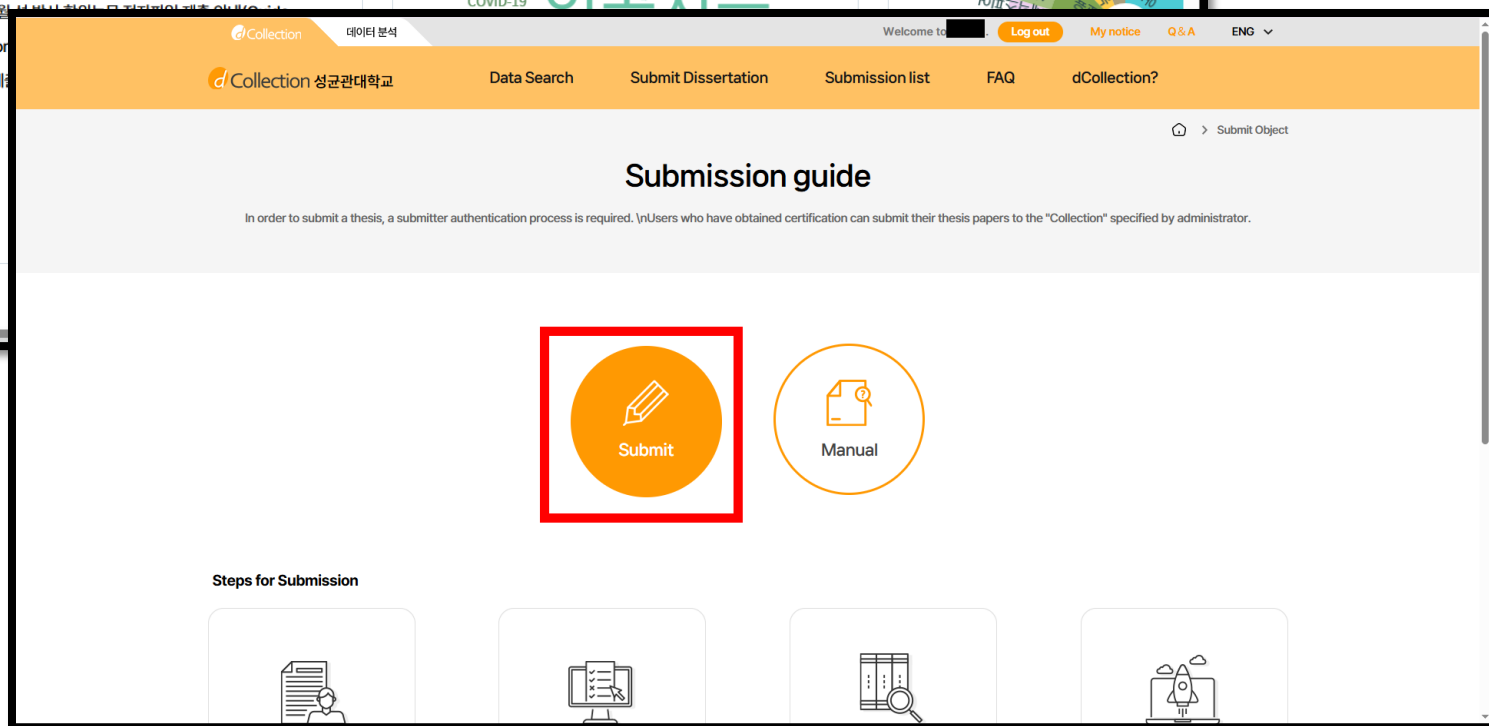
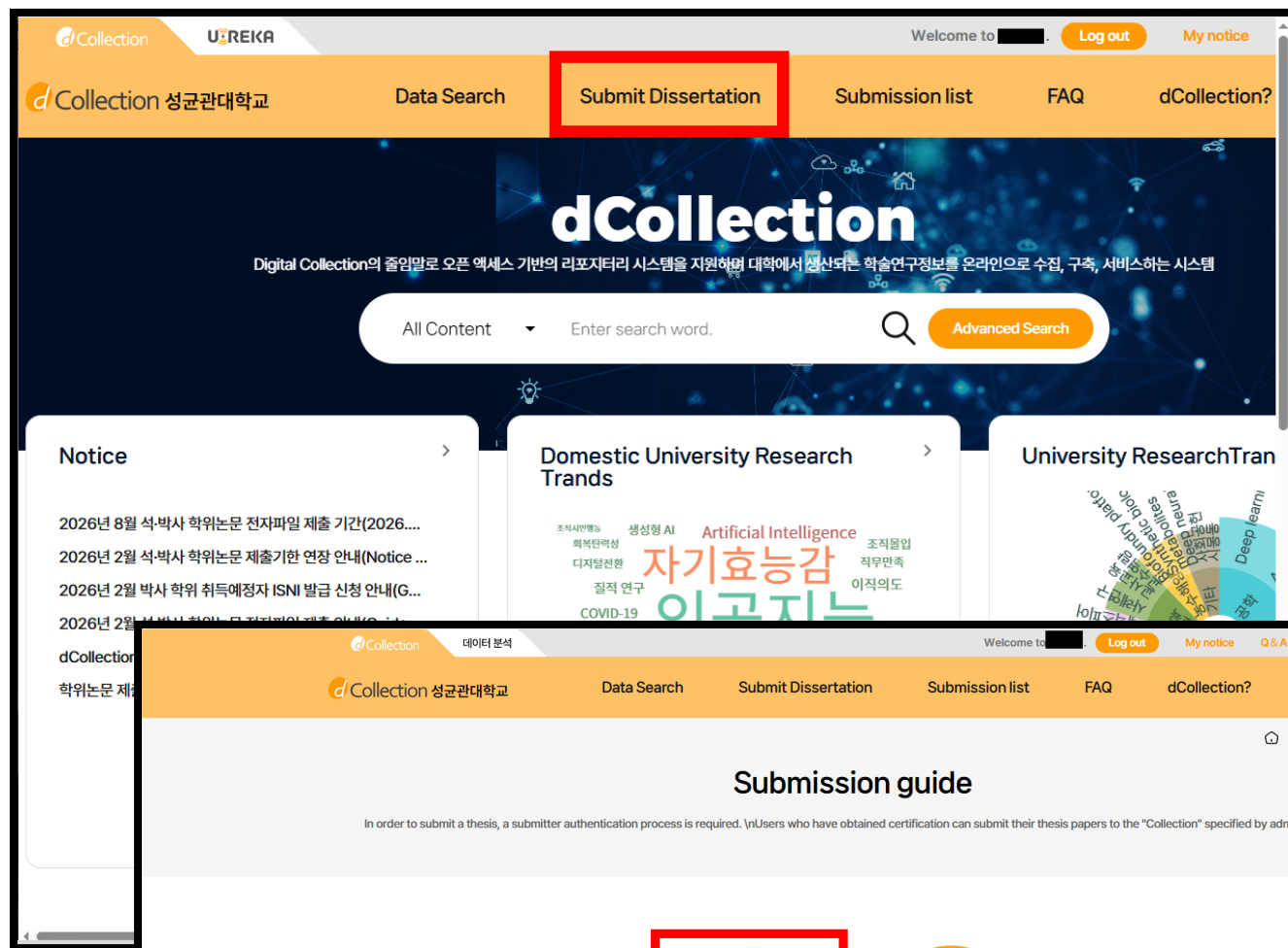
#### ※ Still having issues?

If you have verified the steps above but the system still indicates that you are not an eligible submitter, please double-check that you are entering your Kingo ID and password correctly.

For dCollection Inquiries:  
Use the 'Q&A' board in  
the top right corner.

# 02

## Login and Submission Page Access



For dCollection Inquiries:  
Use the 'Q&A' board in  
the top right corner.

# 02

## Login and Submission Page Access

Collection 성균관대학교

Data Search Submit Dissertation Submission list FAQ dCollection?

Welcome to [user] Log out My notice Q & A ENG

Submit Object

Choose the submission object and click the 'submit documents' button.

Submit object (Submit object for choose please)

석박사 학위논문 > 학위논문2026\_08

Submit

If "Submit Object" is empty or a pop-up screen appears when clicking submit, please contact us via the Q&A menu.

# 03

## Entering Submitter Information

dCollection 성균관대학교
Data Search
Submit Dissertation
Submission list
FAQ
dCollection?

dCollection 디지털 학술정보 유통시스템 - 개인 - Microsoft Edge
https://dcollection.skku.edu/submit/management/popup/deptSearch/17?deptName=사회복지학과
학과조회

My information

registration

### Private policy

b. The following personal information items may be automatically generated and collected during internet use:

- IP address, service usage records, visit records, etc.
- c. 'dCollection' does not use 'cookies' that store and frequently retrieve information about the subject's usage.

3. Personal Information Processing and Retention Period

a. 'dCollection' processes and retains personal information within the personal information retention and use policy.

b. Each retention period is as follows.

Retention period: Period according to the internal management plan of the institution using the dCollection system.

### My information

|                   |                                                                                                             |
|-------------------|-------------------------------------------------------------------------------------------------------------|
| ID                | 106941001000                                                                                                |
| Name *            | 김보연                                                                                                         |
| Department Name * | <div>Select from the "department search" button</div> <div>Select from the "department search" button</div> |
| Contact *         | 01088785441                                                                                                 |

ex) 010-1234-5678 (Please enter including "-").

• This is contact information registered at the library user information. If it was changed, please revise it.  
 • This information is only used for contact in respect to the item you have submitted.  
 • For inquiries regarding submission, please contact the school dcollection representative.

학과명

사회복지학과

검색

구분

경원대학원 (iMBA)  
경영전문대학원  
교육대학원  
국가전략대학원  
국정전문대학원

학과명

사회복지대학원 > 사회복지학과

일반대학원 > 사회복지학과

Cancel

Next

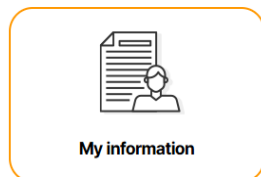
- Department names may be identical, but graduate school names can differ; check carefully before clicking.
- Department names may be identical, but graduate school names can differ; please search in Korean and check carefully before clicking.

For dCollection Inquiries:  
Use the 'Q&A' board in  
the top right corner.

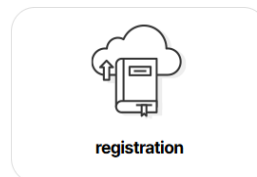
# 03

## Entering Submitter Information

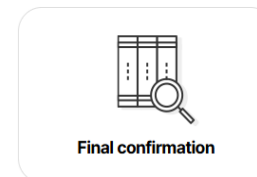
## Submit Dissertation



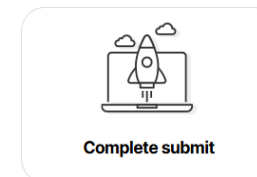
My information



registration



Final confirmation



Complete submit

### Private policy

- d. The following personal information items may be automatically generated and collected during internet service use.
- IP address, service usage records, visit records, etc.
  - c. 'dCollection' does not use 'cookies' that store and frequently retrieve information about the subject's usage information.

### 3. Personal Information Processing and Retention Period

- a. 'dCollection' processes and retains personal information within the personal information retention and use period according to laws or the personal information retention and use period agreed upon when collecting personal information from the information subject.
- b. Each retention period is as follows.

Retention period: Period according to the internal management plan of the institution using the dCollection service, and until the submitted thesis service ends

I ☒ Agree ☐ Disagree to the collection and use of personal information.

If you do not agree, you will not be able to proceed to the next page.

### My information

|                   |                                            |                     |                                                                      |
|-------------------|--------------------------------------------|---------------------|----------------------------------------------------------------------|
| ID                | 100000000000                               | Student ID          | 2020000000                                                           |
| Name *            | 성립고                                        | Name (2nd Language) | Kinggo Seong                                                         |
| Department Name * | Select from the "department search" button | Degree *            | <input checked="" type="radio"/> Master <input type="radio"/> Doctor |
| Contact *         | 031-000-0000                               | E-mail *            | KingGOGO@naver.com                                                   |
|                   | ex) 0 use enter including '-').            |                     | ex) dcollection@naver.com                                            |

- This is contact information registered at the library user information. If it was changed, please revise it.
- This information is only used for contact in respect to the item you have submitted.
- For inquiries regarding submission, please contact the school dcollection representative.

Cancel

Next

For dCollection Inquiries:  
Use the 'Q&A' board in  
the top right corner.

# 04

## Thesis Information Registration

If you upload a file format other than PDF, a pop-up message like the one shown above will appear.

The screenshot shows the 'registration' step of the thesis submission process on the dCollection website. A pop-up message at the top states: 'dcollection.skku.edu의 메시지' and '영문석사\_A Study on the Interaction Design and Effects of AI Companions for Alleviating Emotional Loss in Visually Impaired Individuals After the Retirement.hwp file is not allowed to use.' with a '확인' (Confirm) button. The main interface has a progress bar with four steps: 'My information', 'registration' (highlighted), 'Final confirmation', and 'Complete submit'. Below the progress bar is the 'File Upload' section. It shows 'Select File Type' with 'Document' selected. Under 'Original Registration', a file named '예시\_영문석사\_A Study on the Interaction Design and Effects of AI Companions for Alleviating Emotional Loss\_김보연.pdf (305 KB)' is listed with a progress bar at 100%. A red box highlights this file name. A red triangle points to the '+ My PC' button, with a red text label below it: '▲ Only one file can be submitted, and the file name does not matter.'

The electronic file must be the final version and must completely match the printed copy.

The approval form in the electronic file must be submitted with the committee members' names and signatures left blank.

For dCollection Inquiries:  
Use the 'Q&A' board in  
the top right corner.

# 04

## Thesis Information Registration

Thesis Info Registration

Thesis Info Registration

Dissertation Information

Title \*

Enter the title of the dissertation.

Sub-title

If there is a subtitle, enter it (e.g., Title – Subtitle-); if not, leave it blank.

Translated

For the second language, English must be set to Korean, and Korean can be set to "Other Languages."

Subject \*

Enter no more than 5 keywords; any keywords beyond the fifth will be deleted arbitrarily.

한국어 ▼

Abstract \*

Typically, you should enter two versions of the abstract: one in Korean and one in English.

You can cut and paste an abstract into this box. If the number of abstract is more than two, enter all and select item language.

Add

영어 ▼

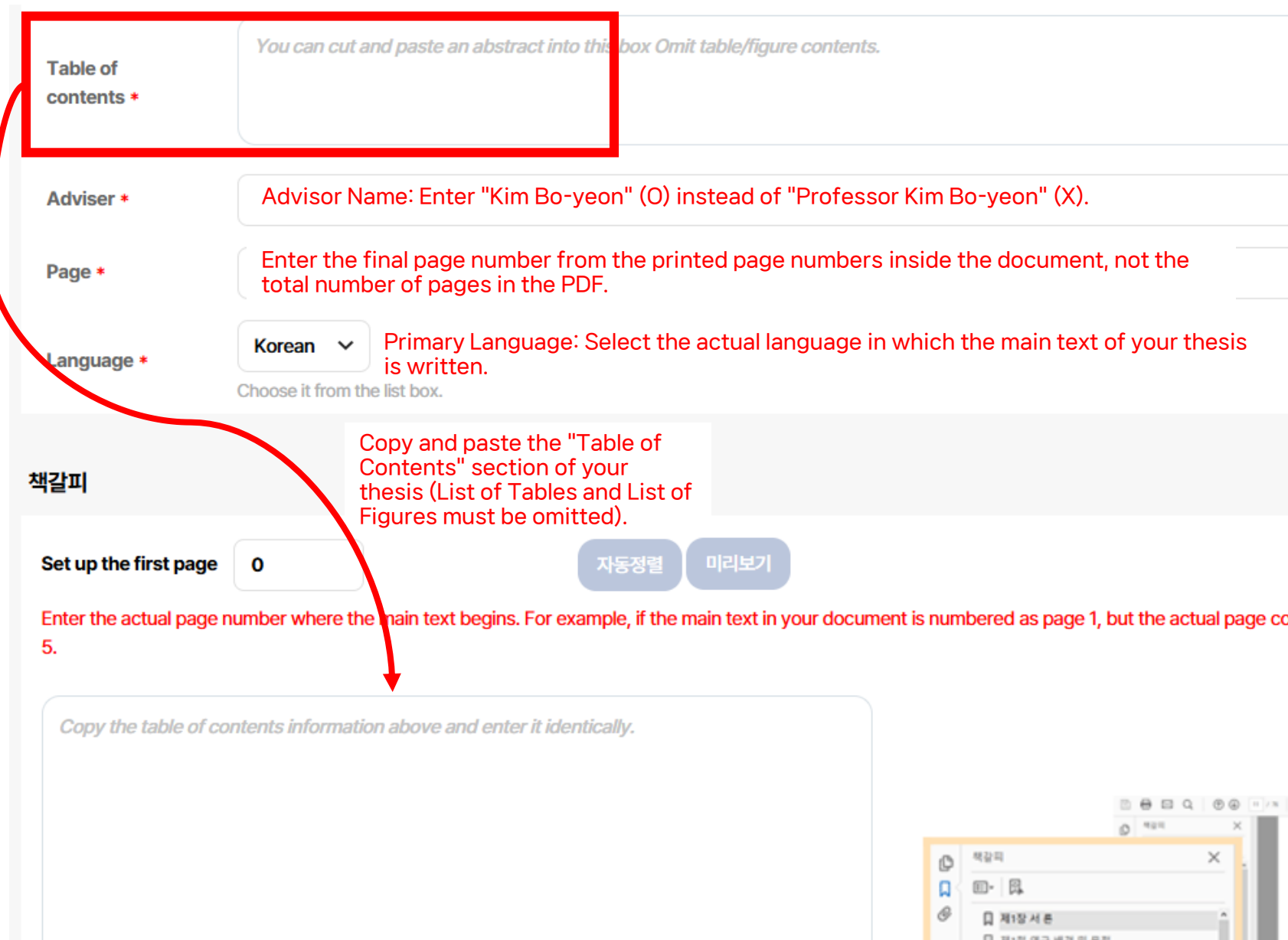
Abstract \*

You can cut and paste an abstract into this box. If the number of abstract is more than two, enter all and select item language.

For dCollection Inquiries:  
Use the 'Q&A' board in  
the top right corner.

# 04

## Thesis Information Registration



**Table of contents \***

*You can cut and paste an abstract into this box. Omit table/figure contents.*

**Adviser \***

Advisor Name: Enter "Kim Bo-yeon" (O) instead of "Professor Kim Bo-yeon" (X).

**Page \***

Enter the final page number from the printed page numbers inside the document, not the total number of pages in the PDF.

**Language \***

Korean ▼ Primary Language: Select the actual language in which the main text of your thesis is written.  
Choose it from the list box.

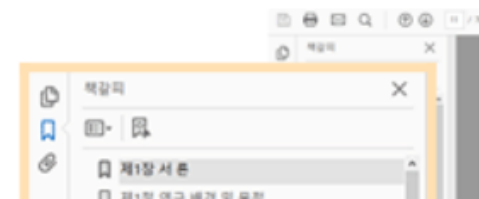
**책갈피**

Copy and paste the "Table of Contents" section of your thesis (List of Tables and List of Figures must be omitted).

**Set up the first page** 0 자동정렬 미리보기

Enter the actual page number where the main text begins. For example, if the main text in your document is numbered as page 1, but the actual page is 5.

*Copy the table of contents information above and enter it identically.*



# Configure the bookmarks.

책갈피

Set up the first page

10

자동정렬

미리보기

Enter the actual page number where the main text begins. For example, if the main text in your document is numbered as page 1, but the actual page count, including the title, table of contents is page 5, enter 5.

Enter the total PDF page count /

Enter the actual PDF page number where the Introduction or Chapter 1 begins.

|                                       |                            |                          |                             |                         |                                     |                                    |
|---------------------------------------|----------------------------|--------------------------|-----------------------------|-------------------------|-------------------------------------|------------------------------------|
| 결표지<br>Cover                          | 측면표지<br>Spin<br>cover      | 내표지<br>Inside<br>cover   | 심사청구서<br>Submission<br>form | 인정서<br>Approval<br>form | 목차<br>Table of<br>Contents<br>- i - | 표목차<br>List of<br>Tables<br>- ii - |
| 1p                                    | 2p                         | 3p                       | 4p                          | 5p                      | 6p                                  | 7p                                 |
| 그림목차<br>List of<br>Figures<br>- iii - | 논문요약<br>Abstract<br>- iv - | Chapter 1<br>서론<br>- 1 - | 1. ~ ~ ~<br>가. ~<br>- 2 -   | ...                     | Appendix<br>- 123 -                 | 논문요약<br>- 124 -                    |
| 8p                                    | 9p                         | 10p                      | 11p                         | 12p                     | 13p                                 | 14p                                |

# Configure the bookmarks.

논문요약

- 124 -

Enter the total number of pages in  
the PDF 14p

책갈피

1. click "자동정렬"

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10

☒ 목차정보 변경

자동정렬

미리보기

본문이 시작되는 실제 쪽수를 입력합니다. 즉, 문서에서 본문의 쪽번호가 1쪽이지만, 제목, 목차 등을 포함한 실제 쪽수

## Chapter 1. Introduction 1

### 1. Research Background and Purpose 1

#### A. Research Background 1

#### B. Research Purpose 2

### 2. Research Questions and Hypotheses

#### A. Research Questions 4

#### B. Research Hypotheses 4

## Chapter 2. Theoretical Background and Literature Review 5

### 1. Theoretical Background 5

#### A. Characteristics of Guide Dog Interactions

##### 1) Interdependent Interaction Structure

##### 2) Directionality of Technological Transfer

#### B. Limitations of Current Emotional Care AI

#### C. Proactive Presence and the Value of Preemptive Interaction

##### 1) Psychological Mechanism of 'Nudging'

##### 2) Non-verbal Interaction and Emotional Care

## Chapter 3. System Design 11

### 1. Wearable 'Harness-Link' 11

#### A. Hardware Design 11

##### 1) Wrist Wearable: Haptic Feedback 11

##### 2) Hardware: Open-Ear Shoulder Speaker 11

### 2. Interaction Scenario: Proactive Nudging

Format: Symbol (Number) V Title V Page Number

2. Check if the  
spacing is correct

Chapter 1. IntroductionV1

V1. Research Background and PurposeV1

VVA. Research BackgroundV1

VVB. Research PurposeV2

V2. Research Questions and HypothesesV4

VVA. Research QuestionsV4

VVB. Research HypothesesV4

Chapter 2. Theoretical Background and Literature ReviewV5

V1. Theoretical BackgroundV5

VVA. Characteristics of Guide Dog InteractionsV5

VVV1) Interdependent Interaction Structure between the Visually Impaired and Guide DogsV5

VVV2) Directionality of Technological TransferV7

VVB. Limitations of Current Emotional Care AI: Moving Beyond 'Deceptive Intimacy'V8

VVC. Proactive Presence and the Value of Preemptive InteractionV8

VVV1) Psychological Mechanism of 'Nudging': Restoration of Mutual CareV9

# 04

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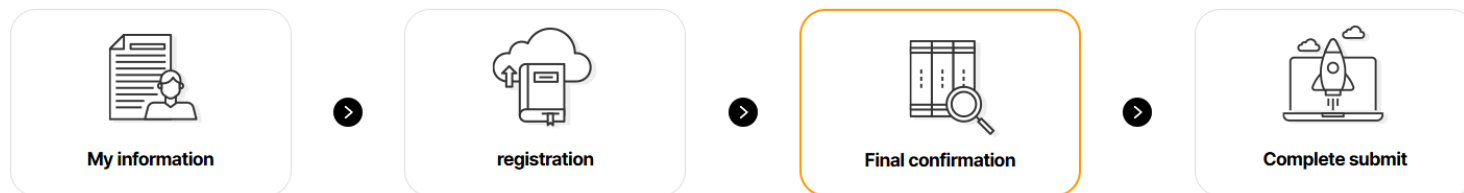
취소

다음

임시저장

# 05

## Final Review and Submission



Control Number : 000000192432

### Dissertation Information

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Title      | A Study on the Interaction Design and Effects of AI Companions for Alleviating Emotional Loss in Visually Impaired Individuals After the Retirement of Service Dogs                                                                                                                                                                                                                                                                                                                                      |
| Sub-title  | Focusing on the Proactive Persona of Guide Dogs and Haptic/Spatial Audio Technologies                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Translated | 은퇴 안내견을 떠나보낸 시각장애인의 정서적 상실감 완화를 위한 AI 컴패니언 인터랙션 설계 및 효과 연구                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Bookmark   | <div><div>A. Research Questions 4</div><div>B. Research Hypotheses 4</div><div>Chapter 2. Theoretical Background and Literature Review 5</div><div>1. Theoretical Background 5</div><div>A. Characteristics of Guide Dog Interactions 5</div><div>1. Interdependent Interaction Structure between the Visually Impaired and Guide Dogs 5</div><div>2. Directionality of Technological Transfer 7</div><div>B. Limitations of Current Emotional Care AI: Moving Beyond 'Deceptive Intimacy' 8</div></div> |

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# 06

## Submission Completed

The image shows two overlapping screenshots of the dCollection web interface. The top screenshot displays the 'Complete submit' step of the submission process, with a large orange checkmark and the message 'Your thesis submission has been completed.' Below this, it states: 'Submitted dissertations will be submitted and serviced after verification by university officials.' and provides links for 'In the thesis submission List, you can check the status of your submitted dissertation and edit it.' and 'In the thesis submission List, you can print the submission confirmation and service confirmation for the papers being serviced.' The bottom screenshot shows the 'Submission list' page, where the 'Submission list' menu item is highlighted in the top navigation bar. Below the navigation bar, the page title is 'Submission list'. Underneath, there is a section titled 'Dissertation Processing Status' which contains a table with columns: No., Title, Status, 등록일 (Registration Date), and Print. The table has one row with the following data: No. 1, Title 'A Study on the Interaction Design and Effects of A...', Status 'Accept complete' (highlighted with a red box), 등록일 '2026-06-02', and Print buttons for 'Copyright', 'Submission', and 'Service'.

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# 06-1

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```

  graph LR
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    B --> C[Submit complete]
    C --> D[In service]
    B -- not clear --> E[Return]
    E --> F[Re-submit]
    F --> C
  
```

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06-2

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submit dissertation details information

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|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |     |             |              |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------------|--------------|
| Title      | A Study on the Interaction Design and Effects of AI Companions for Alleviating Emotional Loss in Visually Impaired Individuals After the Retirement of Service Dogs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |     |             |              |
| Sub-title  | Focusing on the Proactive Persona of Guide Dogs and Haptic/Spatial Audio Technologies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |     |             |              |
| Translated | 은퇴 안내견을 떠나보낸 시각장애인의 정서적 상실감 완화를 위한 AI 컴패니언 인터랙션 설계 및 효과 연구                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |     |             |              |
| Author     | Author                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 김보연 | Affiliation | 성균관대학교 일반대학원 |
| Subject    | HCI, Pet-loss Syndrome, Visually Impaired, Harness-Link, Multimodal Interaction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |     |             |              |
| Abstract   | <p>본 연구는 안내견과의 이별을 경험한 시각장애인이 겪는 심각한 정서적 상실감과 펫로스(Pet-loss) 증후군을 완화하기 위해, 안내견의 능동적 페르소나를 구현 한 AI 컴패니언 시스템인 '하네스(Harness-Link)'를 제안하고 그 효과를 검증하였다. 기존의 보조 공학 기술이 사용자의 명령에 반응하는 수동적 인터페이스에 머물렀던 것과 달리, 본 연구는 안내견이 지닌 주체적인 생명력과 비언어적 상호작용에 주목하여 AI가 인지 인터랙션을 시도하는 '능동적 현존(Proactive Presence)'의 개념을 시스템 설계에 도입하였다.</p> <p>제안된 시스템은 손목 웨어러블의 공압식 햅틱 피드백과 어깨 부착형 스피커를 통한 3D 입체 음향을 결합하여 안내견 특유의 촉감과 소리를 재현한다. 특히 사용자 의 정체 상태를 감지하여 산책을 제안하거나 장난을 거는 '능동적 태스크' 알고리즘은 실제 생명체와 유사한 물리적 압력과 비언어적 사운드를 동기화하여 제공함으로써 사용자와 AI 간의 정서적 유대를 강화한다.</p> <p>안내견 사별 경험이 있는 시각장애인 20명을 대상으로 4주간 실시한 실증 실험 결과, 본 시스템은 사용자의 펫로스 상실감 지수를 약 44% 감소시키는 유의미한 효과를 거두었으며, 단순한 기계적 장치를 넘어 실존하는 동반자로 인식되는 높은 사회적 친화감을 형성함을 확인하였다. 또한 햅틱과 음향이 결합된 멀티모달 인터랙션이 단일 모달리티보다 정서적 실재감 구현에 있어 월등히 우수하다는 점이 증명되었다.</p> |     |             |              |

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| submit original     | 예시 원문서 A Study on the Interaction Design and Effects of AI Companions for Alleviating Emotional Loss 김보연.pdf (312172 bytes, 2026-05-19 11:28:59) |
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| Sub-title  | Focusing on the Proactive Persona of Guide Dogs and Haptic/Spatial Audio Technologies                                                                                                                                                                                                                        |     |             |              |
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| Author     | Author                                                                                                                                                                                                                                                                                                       | 김보연 | Affiliation | 성균관대학교 일반대학원 |
| Subject    | HCI, Pet-loss Syndrome, Visually Impaired, Harness-Link, Multimodal Interaction                                                                                                                                                                                                                              |     |             |              |
| Abstract   | 본 연구는 안내견과의 이별을 경험한 시각장애인이 겪는 심각한 정서적 상실감과 펫로스(Pet-loss) 증후군을 완화하기 위해, 안내견의 능동적 페르소나를 구현 한 AI 컴패니언 시스템인 '하네스(Harness-Link)'를 제안하고 그 효과를 검증하였다. 기존의 보조 공학 기술이 사용자의 명령에 반응하는 수동적 인터페이스에 머물렀던 것과 달리, 본 연구는 안내견이 지닌 주체적인 생명력과 비언어적 상호작용에 주목하여 AI가 인지 인터랙션을 시도하는 '능동적 현존(Proactive Presence)'의 개념을 시스템 설계에 도입하였다. |     |             |              |

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