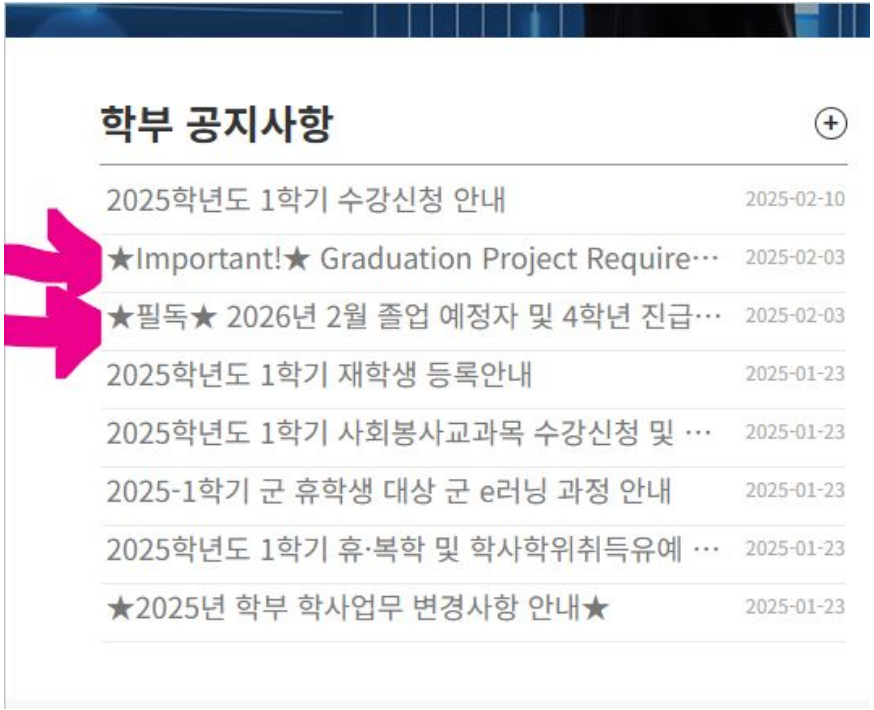
Artificial Intelligence Project I & II

2025. 02.13

School of Data Science

Note

- The slides and the recording of the session will be uploaded after the session



Why?

- Course objectives
- Guiding your senior project
  - You need to complete your senior project to graduate.
  - You need to take both Artificial Intelligence Project 1 & 2
  - A year long journey, where you will be independently completing a project on your own

- Expectations
  - (1) Gain hands-on experience by tackling a significant problem or exploring a substantive topic in data science or cognitive science. (2) Develop skills in identifying a significant problem, conducting in-depth research, analyzing data, and presenting the findings. (3) Showcase what you have learned during your undergraduate studies

Who?

- You need to take both courses when you have two semesters left for graduation.
  - (e.g.)
  - Students entering their 4th year, and will be graduating in a year
  - Students graduating a semester early (조기졸업), who has two semesters left.
- You can take the first course and then the second course
  - Or you can also take the second course first and then the first course.

Who?

- The key point is that you have to take both courses consecutively.*
  - **[WHY?]** The projects will be strictly evaluated (= you can fail to graduate), and we expect a project that requires spending a full year
  - **The only exception:**
    - If you are participating in the HY-WEB program this semester (or exchange student) you are allowed to only take the 2nd sequence (i.e., Artificial Intelligence Project 2)
    - However,
      - (1) You have to submit relevant documents to the committee regarding HY-WEB/exchange student
      - (2) You have to submit the application for this semester, and attention the first meeting with your supervisor
      - (3) Initiate the project no later than July, 2025
        - submit the project proposal before the 2nd semester starts.
      - (4) Also, note that the expected quality of the project will be identical to those who are starting their project in March, 2025. So you have to catch up with the 4 months that you spent for HY-WEB/exchange student

How?

(1) You will be teamed up as a group of two members

- One or three member(s) will only be allowed for **very special cases** after the committee evaluates the case.
  - (e.g.,) You have already have made progress on a project as a RA in a lab
  - The project is very ambitious and will require three members
- In most cases, you already would have permission for the above situation. So, just think you have to group up with another student!

How?

(2) Your team will choose a project from the list provided

- We will provide you with a list of possible projects that were suggested by the professors in the School
  - Some will be very specific, which probably will be a part of research already being conducted in the lab, and may also require special skills
  - Some will be general topics, that the professor who proposed it will be comfortable in guiding the team
  - In both cases, the project is linked to the professor, and that professor will be your team's mentor/supervisor
- The project result can be
  - (1) an academic research project as a thesis,
  - or (2) a development of a system as a application

[Link to the list of possible projects]

https://docs.google.com/spreadsheets/d/1HkJjsPt37uPIfyKCuzp3_lDolppuPIvTpKSAkcpeMTE/edit?usp=sharing

How?

(3) Application submission

- Your team should be choosing the project/professor they want to work on/with (top 10).
  - We will try to match your team and the project/professor as happy as possible.
  - But it will be possible that your top choices will not work. In this case, we will assign you to another professor that we think who can guide your project.
- **Due: 2025. 2. 28. 15:00**

[Link to the application]

https://forms.gle/tWkbB3kyCeNK2fZu9

Schedule

2025. 2. 28. 15:00	Group up and pick your top 10 projects
	#### Matching students with projects ####
2025. 3. 7.	The results will be announced probably via LMS and email
2025. 3. 7.	As soon as you hear the results contact your supervisor professor
2025. 4. 25.	Project proposal due (you should have a master plan for your project)
2025. 6. 15.	Progress report 1
TBA (in 2nd semester)	Progress report 2
TBA (in 2nd semester)	Final project report

Things to remember

- Your project should be self-directed, allowing you to take full ownership of your work
- You are always welcome to ask questions and seek guidance from your assigned professor, but you should do your best to solve them on your own (with your teammate)
- Choose topics that are challenging and thought-provoking
  - Reflect on why you are drawn to solving a particular problem
  - Tasks that are too simple or easy will be rejected (if you are on a general project)
  - If you are uncertain about your project topic, consult with your supervisor
- Starting your project early will greatly enhance your performance and ensure a more successful outcome

QR Links

[Link to the list of projects]
https://docs.google.com/spreadsheets/d/1HkJjsPt37uPIfyKCuzp3_lDolppuPIvTpKSAkcpeMTE/edit?usp=sharing

[Submission LINK]
https://forms.gle/tWkbB3kyCeNK2fZu9

[Link to the rule book]

- Korean
- English