## Final Project Info

MLSP 2024 2024.03.12

#### Outline

- Projects
  - 1. AI驅動出行未來: 跨相機多目標車輛追蹤競賽
  - 2. 以生成式AI建構無人機於自然環境之地形導航競賽
- How to register
- Timeline

## Project 1

#### AI驅動出行未來: 跨相機多目標車輛追蹤競賽

#### Goal

 Utilizing cross-camera footage of vehicles driving on the road to develop an AI model for cross-camera multi-object tracking.

#### Keywords

Object detection & tracking

#### Evaluation

IDF1 + MOTA

## Project 2

#### 以生成式AI建構無人機於自然環境之地形導航競賽

- Goal
  - Constructing a dataset for autonomous drone navigation with a focus on Taiwanese roads and rivers.
- Keywords
  - Generative model
- Evaluation
  - FID & F-measure
- This competition will be able to register from 03/13

#### More detail about projects...

- Links
  - Project 1: AI驅動出行未來: 跨相機多目標車輛追蹤競賽
    - https://docs.google.com/presentation/d/1ZuFYQXBHpkgynuwGbJgqD\_mFWgsM78GJ/e dit?usp=drive\_link&ouid=116506871703815682180&rtpof=true&sd=true
  - Project 2: 以生成式AI建構無人機於自然環境之地形導航競賽
    - https://docs.google.com/presentation/d/1VbrOqcWzXO-gTzeqxX1f57BolarAGmEb/edit? usp=drive\_link&ouid=116506871703815682180&rtpof=true&sd=true
- Use Google Translate, DeepL or ChatGPT to translate from chinese to your familiar language
- Choose only 1 competition you are interested to join

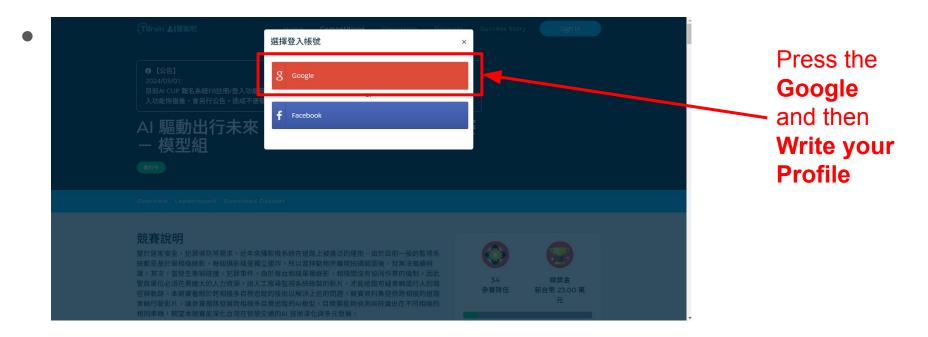
## How to register

#### Sign up a account in T-Brain

Link: <a href="https://tbrain.trendmicro.com.tw/Competitions/Details/33">https://tbrain.trendmicro.com.tw/Competitions/Details/33</a>

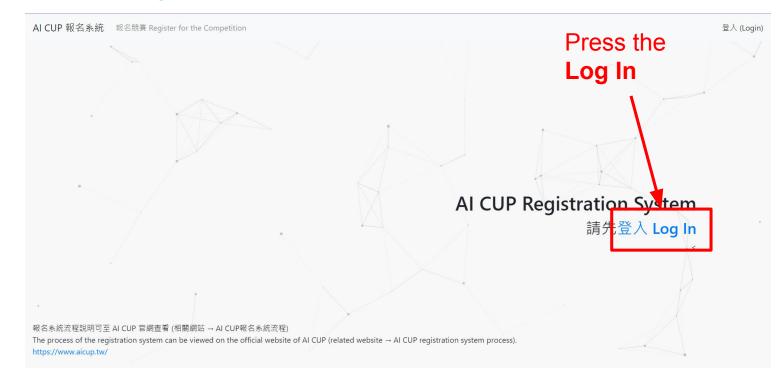


#### Sign up a account in T-Brain



#### Register the competition in Al Cup

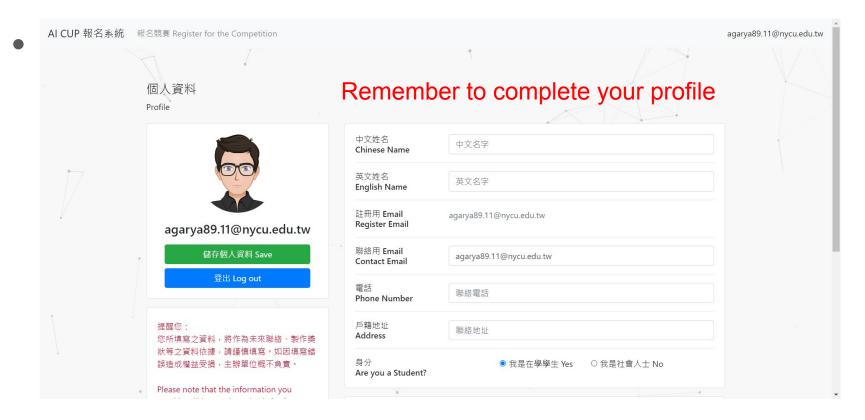
Link: <a href="https://go.aicup.tw/">https://go.aicup.tw/</a>



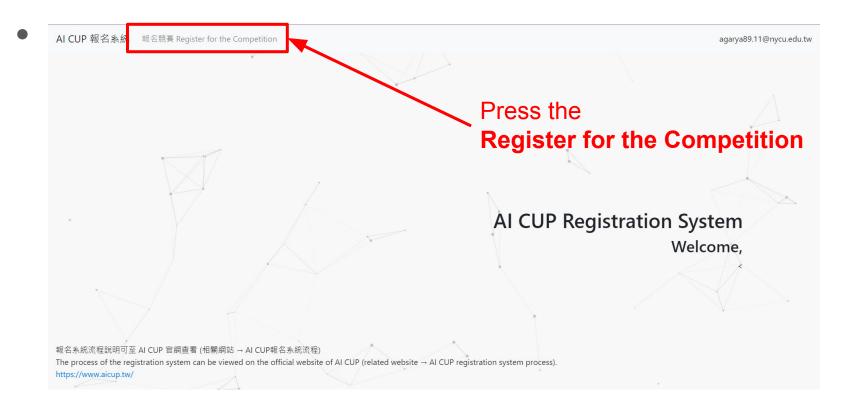
#### Register the competition in AI Cup



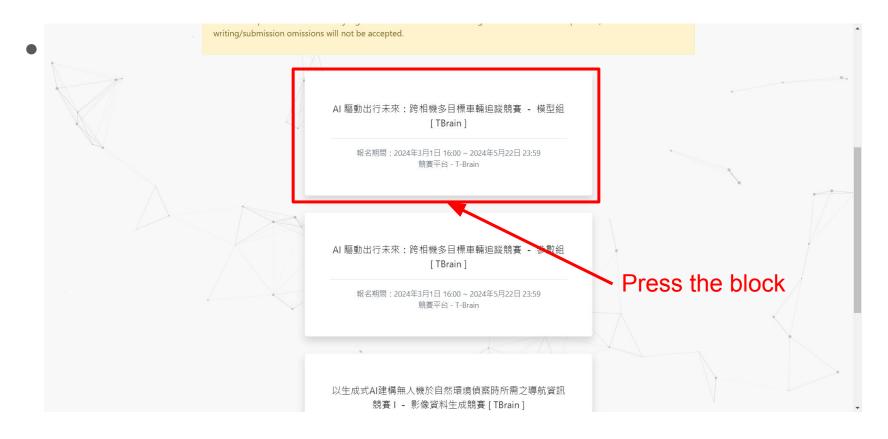
#### Register the competition in AI Cup



#### Register the competition in Al Cup



### Register the competition in AI Cup



# Wait!

#### Form the team first before next step!

- Important !!! Pay attention to this page !
  - A team can be formed by 1 to 3 students.
  - Please ensure your teammates before the next step.
  - Provide your team in the <u>Google Sheet</u>

# Let's go on

#### Register the competition in Al Cup

# AI 驅動出行未來:跨相機多目標車輛追蹤競賽 - 模型組[TBrain]

報名期間: 2024年3月1日~2024年5月22日

隊伍成員上限:5

此為AICUP與TBrain合作之競賽,在AICUP報名系統報名後請去TBrain字成比賽。 最終報名截止時間為2024/05/22 23:59。 比賽辦法學址:

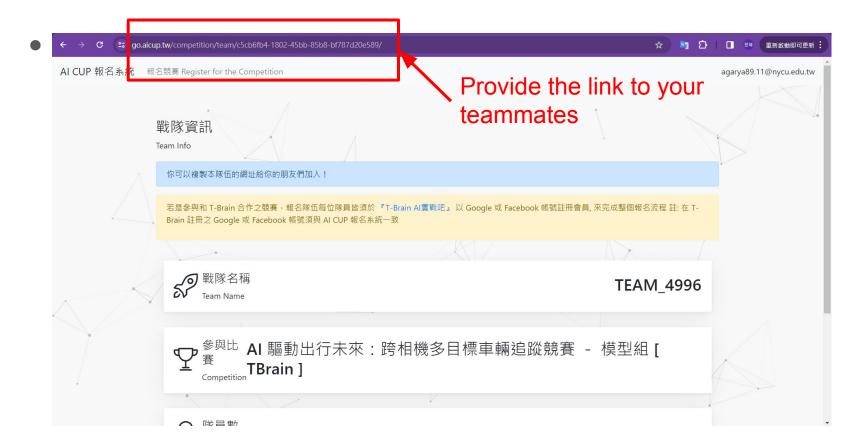
https://tbrain.trendmicro.com.tw/Competitions/Details/33 註: 此比賽隊伍人數 為1~5人(包含隊長),若超過人數則無法與TBrain連動,無法與TBrain連動的參 賽者將視為報名失敗,若報名截止後隊伍超過載名人數上限,則無法做更動,

報名失敗者則等審資格

立即組隊 Form a team!

If you are the leader of the team, press the Form a team!
If you are NOT the team leader, please DO NOT press this button

#### Register the competition in Al Cup



### Timeline

### Important dates

| Date                   | Content   |
|------------------------|---|
| 03/11 ~ 03/20          | Form the team & Register the competition          |
| 03/15 ~                | You can start to train your own model             |
| 04/08                  | Submit the project proposal document to E3 system |
| Late May to early June | Final project presentation                        |

#### Finally...

- If you have any questions, contact to TAs with E3 system or gmail, or you can come to EC218 to seek for help.
  - o Because the registration websites are full of chinese and can not change language...

