

CSIE 5452, Fall 2021: Call for Proposal

Due November 29 (Monday) at Noon

1. Member(s) (at least 1, at most 4, each team just needs to submit one proposal to Gradescope but needs to select the member(s) within Gradescope):

Name	Student ID	Emails
周宇玄	R10525104	R10525104@ntu.edu.tw
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2. Type (example: pure survey has estimated percentages 100%, 0%, and 0%):

Type	Survey	Implementation	Research
Estimated Percentage	20%	80%	0%

3. Title: Using ML to determine the distance between the car and the object
4. Problem Description (1–3 sentences): The driver may be sleepy or use the phone when they are driving. which'll cause the accidents .We want to implement a system that reminds the driver to be safe by making noise.
5. Reason to Select the Problem (1–3 sentences): More close to life because fatigue driving not a uncommand news.
6. Rough Schedule (1–3 items): 12/6 first test, 12/13 revision, 12/20 due.
7. Expected Results (1–3 sentences): implement a system that can make a noise like a buzzer when the safe distance between the car and an object become too close .
8. Any Double Assignment (example: your thesis, the project of another course, etc. — it is totally fine, but you should inform all parties, and the expectation will be higher)? If any, you must report it.
No
9. Any Completed Work (anything before this semester is not counted)? If any, you must report it.
No
10. Optional Questions:
 - (Survey) What are the references that you want to survey? Yes
 - (Survey) How do you plan to survey the references (e.g., detailed or quick)? quick
 - (Implementation) Is there any existing public implementation? Yes, like parking system.
 - (Implementation) How do you get the input data? The data base from YOLO.
 - (Implementation) What language do you want to use? python
 - (Research) What are the references that you want to consider or compare with?
 - (Research) What are the possible directions that you can get improvement over existing work?