Final Project Guidelines

*What do we expect during your presentation and "open house"?*
We do not expect the teams going during the first course meeting to have the same level of presentation as the teams going on the last course meeting.

Your groups should have a 3 minute max video or a 1 slide presentation. I assume that you will cover:

a) The project description and potential applications
b) A brief description of algorithm that you are implementing (RTAB, ORBSlam, LegoLoam or whatever)
c) An explanation of what sensors or sensor data you are using in your approach
d) Any interesting points to encourage your audience to visit you during the open house, such as:
    a. How well it has worked in comparison to claims made by the developer
    b. Benchmarking against other datasets or approaches
    c. Differences between expected and measured sensor performances
e) Where you are at now: How far you have gone in terms of downloading the code, getting it to run on your computers with the data supplied by the developer, etc.
f) Where you hope to be by the report turn in date (Dec 17)

On December 17, by 11:59 PM Eastern, one person on the team MUST submit on Gitlab, in a folder entitled FinalProject. This deadline must be a firm one in order to allow final grade submission times by December 19.

Please include:

- Your video or one slide presentation
- A 3-4 page report (details below)
- Any code that you generate for your project
- Any datasets that you generated for your project

Final project grading

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|---|---|---|---|
| Proposal (due 11/28) | | 10% | |
| | Proposal submitted y? n? | | 5% |
| | Team contract submitted y? n? | | 5% |
| Video/presentation (due 12/07) | | 25% | |
| | Articulation of application | | 5% |
| | Explains dataset or how data was collected, sensors | | 5% |
| | Explains code or algorithms and why the algorithm was chosen | | 5% |
| | Explains analysis approach and prelim results | | 5% |
| | Adheres to time limit y? n? | | 5% |

| Report (due 12/17) | | 65% | |
|---|---|---|---|
| | Articulation of application and why it's needed | | 5% |
| | Discussion of potential approaches and why the team chose the approach it did (background) | | 5% |
| | Explains sensing principle + expected sensor performance(s) | | 5% |
| | Explains how dataset was collected | | 5% |
| | Explains principle behind algorithm | | 5% |
| | Strong rational for why algorithm(s) were chosen | | 5% |
| | Explains analysis approach | | 5% |
| | Explains final results | | 5% |
| | Describes contributions of each team member (If team chooses team eval, this % will be used) | | 10% |
| | Adheres to time limit y? n? | | 5% |
| | Professional writing standards | | 5% |
| | Uses appropriate citation form and sources are cited | | 5% |