

Project Proposal Guidelines

- Preferably, teams of 2-3 students
- Groups larger than 4 will not be allowed
- You can work alone if you want

- Try to team up with people with different skills than yours.

Proposals: What to Submit

- Idea/application:
 - Your sales pitch
 - What is your target audience/user population
 - Demonstrate a need for that application
 - Previous approaches (if any)
 - Related work (in robotics, developmental psychology, AI)
 - Your previous experience (needed to show why you think you can do it when others before you have failed)
 - Idea filter: If a 2-year-old child cannot solve your task then your project idea is probably too complicated.

Proposals: What to Submit

- Your Approach (in details)
 - Equipment to be used (e.g., simulator, robot, other)
 - Algorithms and data structures
 - Dataflow, user interface, etc.
 - What software libraries do you plan to use?
 - Have you used them before (e.g., if you have never done computer vision programming it might be naïve to think that you can learn it in 2 months)
 - Include images/diagrams of mock setups, experimental setup
 - Include a timeline (What will be done? When? By which team member?)

Proposals: What to Submit

- Evaluation Methodology
 - How do you plan to test it?
 - What is defined as success in your case?
 - How many test conditions?
 - How many test subjects (if applicable)?
 - How will you evaluate your results?
 - How will you improve it based on the results?

Proposals: What to Submit

- Submit 10-15 pages
- Due: Thursday, March 10
- You will grade the proposals of your peers

Final Project

- Write up (25+ pages)
- Demo
- Videos
- Experimental Results
- Poster Presentation
- Oral Presentation
- Web page for your project

Final Project

- Writeups Due (printouts and electronic PDF):
 - Thursday, April 21.
- Presentation Style:
 - Mini-Conference (during dead week)
- Start soon!!!