

## Meeting 2, Oct 12

To do:

-write preproposal

Abstract:

-last section to be written.

-contains key elements/points

-statement of problem and solution

Project description (Jenn):

-goal

- Push room temperature toward desired temp by adjusting the blinds.
- Friendly interface
- Easy installation
- Open/close on time as well as temp
- Solar powered.

-functional requirements

- Open/close blinds due to temperature
- Open/close blinds using timer
- Low power use, solar power or others.
- Easy to use
- Easy to install.

-proposed solutions

- Mechanical thing to open/close blinds.
- Adjustment based on temperature sensor difference.
- Easy user interface, few buttons.
- Timer for timed open/close (security/convenience).

Aside from blocking or letting the light in, blinds can also help regulate temperature. However, it is easy to forget to adjust the blinds, and for the blinds that are out of reach, adjustment is a pain.

GOAL here blah blah blah. (my attempt at Proj Description)

Statement of work(Alex):

-how to achieve the project

-contract for capabilities of the final deliverable

-breakdown into flow chart maybe?

Schedule (Chujiao):

-timeline

-list of key milestones

- Mechanical turner

- Temp&timer (circuit stuff)
- Temp&timer user interface
- Powering, solar

Budget(Sarah?):

-list itemized budget

- Motor (what kind are we going to use?)
- Solar panel
- Other stuff (to build temp sensor, interface with timer blah)

Benchmarking(Chujiao):

-similar projects done before.

- ("Solar Engine" or "Solar Roller" or "BEAM Robotics") suggested by Brad