

# CAPSTONE: SEA SCANNERS

## MINUTES OF SEVENTH INSTRUCTOR MEETING

A virtual meeting of the Sea Scanners team along with project instructors/advisors Dr. Herbert Hess and Dr. Feng Li was held on Friday, November 6, 2020 over the Zoom conference platform. Ethan Morris was the designated recorder.

The meeting began at 3:35 p.m. (PST).

Attendance was noted. All present members are listed below.

The team presented their design review documents to Dr. Li and Dr. Hess

- Cade discussed power system and his relay schematic
  - He provided two realy options
  - He stated that he will probably use a two-directional mechanical switch
  - He also stated that he may need to separate the powering lines going to the stepper motor and Arduino
- Ethan showed the control flow diagram of the control system
- Steven displayed the code algorithm for calculating the antenna's rotational angle
- The team will present their finalized documents to the professors next Friday (11/13)

There was then a review of the budget

- The team was advised to simplify the budget for when sending it to our part-ordering contact
- The team could order from the University directly or buy the parts themselves and then request reimbursement
  - The team decided to go with the second option

A discussion occurred on the Wikipage draft

- Dr. Li advised that there should be less detail in the problem definition section and to instead add that detail in the "background" and "deliverables" section
- The team was also advised to add meeting minutes and presentations as files

Dr. Li and Dr. Hess left the meeting at 4:20 p.m. (PST)

The team decided Cade should be responsible for ordering parts.

The team discussed what should be done before next instructor meeting.

- All design review documentation must be finalized and ready to present

The meeting was virtually adjourned at 4:33 p.m. (PST).

Respectfully Submitted,

Ethan Morris

Member of the Sea Scanners Team

**Members Present:**

Sea Scanners Team

Dr. Herbert Hess

Dr. Feng Li