

# CAPSTONE: SEA SCANNERS

## MINUTES OF FIRST INSTRUCTOR MEETING

A virtual meeting of the Sea Scanners team along with project instructors/advisors Dr. Feng Li and Dr. Herbert Hess was held on Friday, September 18, 2020 over the Zoom conference platform. Ethan Morris was the designated recorder.

The meeting began at 4:30 p.m. (PST).

Attendance was noted. All present members are listed below.

Dr. Li addressed questions on the Product Requirement document

- Technical specifications are not necessary on the document but rather general parameters.

There was a review of the budget draft conducted by Dr. Hess

- Overall estimates are reasonable.
  - More of the budget should be allocated to the power supply and cooling system.
  - The control system may not require as much of the budget as the team initially thought.
- Continue development as the meeting with the client is conducted.
  - Budget should be more specified and solidified for the design review.

There was communication between the team and Dr. Hess over the current list of developed questions for the client (for the client meeting)

- Project should implement fabrication (will verify with client).
- Project should be built and fully implemented by the end of the school year.
- Power supply most likely will come from the barge it is implemented on.
- Assume that there is not DGPS hardware already picked out by the client.
  - Begin research on DGPS products.
  - If the client does have a product already picked out, still be on the lookout for better products.
- Question developed: Can we use a cell phone as a transmitter?
  - If client agrees, there will be less transmission focus and more encryption.
  - Depends if the client needs a transmitter built.

There was communication over the client meeting as well as the next instructor meeting

- Dr. Hess will communicate with the client to set up a meeting for 2:30 p.m. (PST), Monday, September 21, 2020.
  - If client is unable to meet at this time, the designated time will be set for 4:30 p.m. (PST), Friday, September 25, 2020, thereby replacing the next instructor meeting.
- The meeting with the client will cover initial exchange of contact information as well as the project questions the team has prepared.

- Instructor meetings will continue to take place at 4:30 p.m. (PST) on Fridays.
- Potential to meet in Dr. Hess's classroom in the education building
  - For now, will continue to meet via the Zoom conference platform.

There were communications over the meeting's documentation to track minutes led by Dr. Li

- Brief overview of how to construct the documentation and what he expects.

There was a final remark from Dr. Hess and Dr. Li over the project schedule created by Cade Knott

- See about using GANTT software for the schedule.
  - Could make the scheduling easier to create and track.

The instructor meeting was virtually adjourned at 5:13 p.m. (PST).

Respectfully Submitted,

Ethan Morris  
Member of the Sea Scanners Team

**Members Present:**

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Sea Scanners Team  
Dr. Feng Li  
Dr. Herbert Hess