

Team Name: sdmay24-17

Team Members:

- Alexandra Whitmer
- Karandeep Sandhu
- Zheyuan Zhang
- Grant DeWaay
- Seyedehbahareh Hashemimovahed
- Austin Krekula

Report Period: Sept 11-Oct 8

### Summary of Progress in this Period

- Sent emails to potential interviewees
  - Scheduled a few interviews
  - Completed more planning worksheets to narrow down a project idea. (these additional worksheets were the two lightning talks about requirements/standards and Project planning).
  - Added more details to our design document about project plan and requirements
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### Pending Issues

- No pending issues
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### Plans for Upcoming Reporting Period

- Finish scheduling interviews
- Conducting interviews
- Finalize a project idea to start the first iteration of development

### Individual Contributions

Karandeep Sandhu (4-5 hours)

- Researched Urban infrastructure improvements
- Meet with faculty member to discuss engineering sustainability for our project
- Work on Lightning talks 1 and 2 along with their respective design document components and work on this weekly report.
- Attend class and group meetings to work on idea generation

Austin Krekula (4-5 hr)

- Research into NIST Risk Management Frame work
- Constructed risk management slides for lightning talk
- Wrote risk management paragraph of design plan
- Met with Professor to discuss cyber input related to project
- Worked on problem statement
- Worked on Lotus Diagram for solution brainstorming
- Idea generation for future planning (materials, software)

## Senior Design Bi-Weekly Status Report; Fall 2023

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### Bahar Hashemimovahed (3-5 hr)

- Researched fields related to Civil aspect of the urban infrastructure project.
- Communicated with faculty members with research focused related to our project.
- Worked with the team on the weekly report and the project plan.

### Grant DeWaay (4-5 hr)

- Researched optimal urban design and requirements
- Wrote and charted task distributions on the project plan
- Wrote "other requirements" section
- Contributed to idea generation
- Arranged meetings over discord for scaffolding project plan
- Researched interactive displays and elements that can be used in our project

### Ally Whitmer (4-5 hr)

- Researched and contacted faculty members in the College of Business with connections to urban infrastructure
- Created the timeline Gantt Chart for the design document
- Contributed to the Lotus Diagram/other idea generation worksheets
- Worked on/presented Lightning Talk #2
- Took meeting notes

### Zheyuan Zhang (3-5 hr)

- Explained the Decomposition and Risk Management Lightning Talk
- Research on related content about power group/power flow algorithm
- Prepared a list of problems that the power flow algorithm can address in the restore and improvement of urban infrastructure
- Worked with team finish the Project Plan assignment