EE / CprE / SE 491 – sddec19-12

Campanile-Carillon Model Phase II

Jan 2019 – Dec 2019

Client: Dr. Tin-Shi Tam

Faculty Adviser: Dr. Gary Tuttle

Bi-Weekly Report 10

September 2 - September 13

Team Members

Ryan Roltgen – Software Engineering – Meeting Scribe

Sam Habel – Computer Engineering – Meeting Facilitator

Yicheng Hao – Electrical Engineering – Power Systems Lead

Gabe Stackhouse – Software Engineering – Software Lead

Kienan Otto – Computer Engineering – Report Manager

Grant Mullen – Computer Engineering – Integration Manager

Weekly Summary

We spent this reporting period regrouping as a team, getting caught up with the progress of the project in the three months we were gone, and evaluating the remaining tasks for the semester. We are waiting on multiple custom monitors to arrive in the mail, so final testing and fine tuning has been put on hold. As such, we also cannot make a final call on our battery solution until we know the final hardware choices. Due to a change in the hardware ordered during the spring semester, we must reevaluate those final choices.

Past Two Week Accomplishments

- Met with adviser/client – Team
- Updated battery options – Yicheng
- Looked into hardware requirements for system – Kienan/Grant/Gabe

Pending Issues

- Monitor was not originally ordered, and still has not been ordered
- Info-station monitor still on the way
  - No longer a tablet, so not built-in OS
  - Needs a separate computer to run it
  - No touch screen, so will need a separate control device
- Deadline of October 20 is early for not having all parts in
  - Unsure if widescreen monitor will arrive in time
  - Battery solution still undecided due to unexpected changes in hardware

Individual Contributions

Team Member	Contributions	Weekly Hours	Total Hours
Ryan	Worked on analyzing what needs to be done in the program by our deadline (Oct 20) to have a successful debut	4	65
Sam	Drafted rewrite of arduino code for light bar	4	53
Yicheng	Researched on better battery indicator solution and brainstormed the better battery solution to fit current situation.	4	56
Gabe	Brainstormed hardware and software options that would work with the changes made over the summer. Made plans on how to progress on the project while waiting for the hardware to arrive.	4	65
Kienan	Researched infostation hardware choices	4	52
Grant	Researched choices for battery system, needed power requirements, prepared for presentation.	4	51

Plans for the Upcoming Two Week

- Begin writing and testing arduino code for light bar - Sam
- Continue debugging base program - Gabe, Ryan
- Begin initial work on info-station software - Gabe, Ryan, Kienan