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**EE/CprE/SE 491 WEEKLY REPORT 3**

**01/16/23 – 12/05/23**

**sddec23-07**

**Project title: Arduino Hands-on and design resource phase II**

**Client &/Advisor: Mani Mina**

**Team Members/Role:**

**Member 1: Chin-Yen Liang, Project Lead**

**Member 2: Mark Sandstrom, Soft Research and Development**

**Member 3: Kyle Thompson, Technical Research and Development**

**Member 4: Mohamedelbashir Eltigani, Head of Communications & Scheduling**

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○ **Weekly Summary**

- During this week the group met with our client/advisor and made new plans based off of the feedback we received. His feedback made note of the poor questions we were asking and how we need to change the way we are thinking about the project as a whole. To do this we will be making plans to meet with the other group working on this project again to gain more insight as well as challenge ourselves to think deeper about what we are creating for these design students. To gain more insight on top of this discussion, Mani took the group on a tour through the design buildings and showed us how different their thought processes are.

○ **Past week accomplishments**

- Kyle Thompson: During the last week, I met with our advisor Mani Mina and learned about some mistakes we have made early, and how we can begin moving forward in the right direction. Also during this time, I toured the industrial design building and the design building on the Iowa State campus. While touring, I made note of the varying teaching styles used as well as the different projects that their students worked on. Also during this week, I met with the team to discuss plans and actions moving forward.
- Chin-yen Liang: This past week, we conducted a meeting with the group to discuss what I had missed since i was away and gone. Mostly to catch up on what is happening with the project. I also lead a meeting amongst our group members to discuss what lies ahead as well as continue to drive the project forward in the right direction. As well as facilitate growth and research for the upcoming week.
- Mark Sandstrom: Last week, I attended a meeting with Mani Mina. He went in-depth on how we should approach this project. He illustrated how different engineering students are compared to

design students and how we think much differently. He brought me on a tour through two designed buildings, on this tour I didn't see one lecture, but rather a collection of students conversing with each other and their professors.

- Mohamed Elbashir Eltigani: last week we met with the advisor for the first time, the meeting was about what we should do about the project and how we need to change our way of thinking about the project from technical to empathy. It is more important to understand our client's "industrial design students" needs.

○ **Pending issues**

- Kyle Thompson: N/A
- Mohamed Elbashir Eltigani: we contacted the other team member, and we are waiting for their response to schedule another meeting to know more about what they did on their project.
- Chin-yen Liang: Awaiting scheduling.
- Mark Sandstrom: N/A

<b><u>NAME</u></b>	<b><u>Individual Contributions</u></b> <i>(Quick list of contributions. This should be short.)</i>	<b><u>Hours this week</u></b>	<b><u>HOURS cumulative</u></b>
Chin-yen Liang	Further research, and communication with team	5	12
Mark Sandstorm	Met with the advisor, toured design and armory	4	13
Kyle Thompson	Met with the advisor and spent time meeting with team	6	13
MohamedElbashir Eltigani	communication and meeting Scheduling	4	21

○ **Comments and extended discussion** *(Optional)*

- Kyle Thompson: N/A
- Mark Sandstrom: N/A
- Chin-yen Liang: N/A
- MohamedElbashir Eltigani: N/A

○ **Plans for the upcoming week**

Next week we will be walking through the senior Design building as a group and taking notes and observing how students behave as well as interact with each other to get a better understanding of the dynamic of design students. We will also be setting up a meeting with Joe, the leader of the 492 groups, to get more understanding of what will be expected going into the project and take some information down on what they've learned through their process. We will also be planning on sitting in with Joe again and meeting with their senior design students again to better grasp and understand the project that lies ahead. Finally, we will plan to observe an Industrial design class and/or lab to see how the students work and how classes are ran/ taught as well.

○ **Summary of weekly advisor meeting**

During the past week's meeting with Mani Mina, he went over our questions for industrial design students. He was upset with the level of thinking we put into those questions as he wanted us to think on a deeper level about how they learn and interact. He guided Kyle and Mark through the armory and the design building. Here we noticed how the classrooms are much different than engineering classrooms as they are all open and connected. Many people in these buildings knew Mani on a personal level, and it showed the relationships that design students create. These tours were a good step in our research of understanding how these students learn and interact.