**WEEKLY REPORT and MEETING AGENDA**

Report #: 5 Project Name: SPICE

Date: 4/4/2023 Prepared by: Carlos Zapata III

**Agenda for the meeting**

1. Print shop update (Over-Estimated Time)
2. Database progress

**Overall accomplishments since last meeting**

1. Printed prototype housing at FEDC
2. More prints requested
3. Established database connection

**Tasks completed by each team member since last meeting**

| Task description | Assigned to | Completed? |
| --- | --- | --- |
| Received housing and lid printed from FEDC | Carlos | Yes |
| SQL Server setup, connection between database and UI | JP/Caleb/Carlos | Yes |
|  |  |  |

**Plans for next period**

1. Improve model designs and send to FEDC to print
2. Finalize database

**Task assignment per team member (to be completed before the next meeting)**

| Task description | Assigned to |
| --- | --- |
| Send second set of prints to FEDC | Caleb/Carlos |
| Finish designing and implement database | JP/Caleb/Carlos |
| Implement reliable communication between Arduino and Raspberry Pi | Kile/Caleb |

**Project management status**



**Minutes from previous meeting**

Meeting Minutes (March 29th):

* Print Shop update:
* Dr.M: Tell me about print shop
* Caleb: Originally wanted to print with personal printer, will now be using FEDC to get prints
* Dr.M: One print per day, will take a week, need to get that printed as fast as possible
  + Bottlenecking at 3D printing
* Local SQL Database
* JP: Looking to use local database - Easier to query database
  + Microsoft SQL server
* Dr.M: Demonstrate that system is able to perform recipe function
* Progress with motors and Arduino
* Kile: Motors are working and can be turned off and on with Pi
  + Having trouble with controlling motor speed
* Dr.M: Sounds good
* Troubles with 3D printing
  + Caleb: Taking a long time
  + Dr.M & Karl: Focus on getting functionality with one or two, and then work in parallel
* Dr.M: Might have better 3D printers that work faster
  + Go to shop as soon as possible
* Thinking differently about solutions
* Dr.M: Might want to look for printing outside of A&M
* Dr.M: Keep us updated, think about alternatives