**Engineering Notebook**

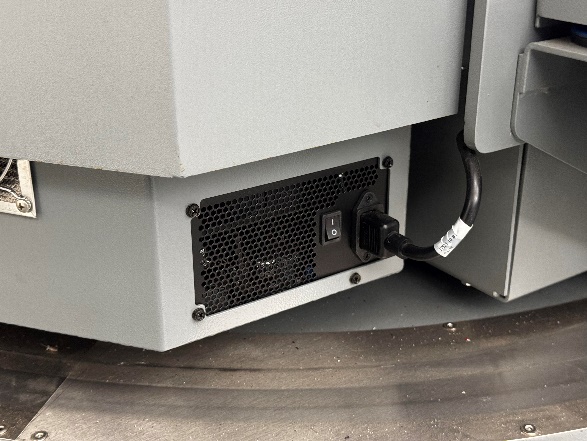
**Team 16 – Clear Path**

**Michael Yun**

**09/12/2024** - Team 16s first meeting and talk with customer, Dr. Towhidnejad. Scrumwise and Github established to start adding to backlog and documentation for the project. Division of skills between team members like Scrum-Master, Software, Hardware, and documentation. Stand up meeting to discuss the proposed objectives from customer and first steps taken.

**09/24/2024** - Teams first day in LB 131 with the flight simulator. Below is some of the information we gathered.

A red button on a black box next to a machine

Description automatically generated

The white switch turns on the whole rig, and the smaller switch on the right side is now to turn the PC on.

A green light on a machine

Description automatically generatedA close-up of a radio antenna

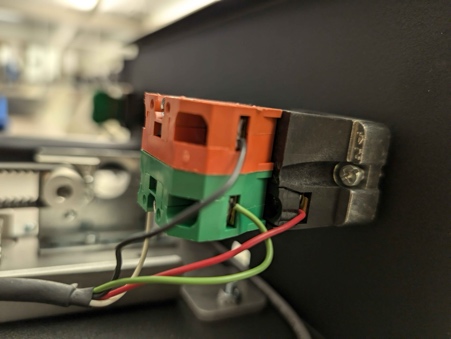
Description automatically generated

There is a small red button below the seat on the right side, click the button one time for the green light to illuminate. Finally plug a wired keyboard into the hub on the right picture, follow the prompts on the screen and get to the home screen. From there we can use the wireless keyboard with mouse built in to navigate. We also uploaded any relevant text documents into our GitHub (<https://github.com/SadeedKhan555/ClearPath>).



We got some time in on the simulator to see the different function, and displays within X-Plane.

10/15/2024 - Replacing Emergency stop button, part was ordered a week in advance install was slowed due to hurricane and campus closure. Images for button install are below. In addition, the peer reviews were completed by team members along with the sprint review presentation.



10/22/2024 - United Briefing; No work done

10/24/24 – Team meeting with student previously in charge of flight sim to ask questions related to start-up and uploading/inserting data into Xplane. Installation of graphics drivers to flight sim computer to start running XPlane 12. Sprint 3 finished; Items on backlog rearranged to reflect future project progress.

* Sprint obectived accomplished:
  + Meeting with student in charge of sim

11/5/24 – Worked on the update presentation. My job was to handle the results/progress section of the presentation.

11/12/24 – Our team worked on installing a plugin. However, we were not able to get any live traffic in it. We’re not exactly sure what this plugin does yet, but it didn’t break anything (fingers crossed)

11/14/24 – We started the poster. This was a significant day as we were able to successfully implement the plugin, granting us live traffic. There is more testing to be done, but this was a huge feat, and a major part of our program.

11/19/24 – We worked on the poster during this class. I was in charge of ensuring the graphics looked presentable, neat, and clean.

11/21/24 – Our group worked on version 2 of the SRS during this class. We divided up the work, but my job was to work on requirements.

11/26/24 – Heavily dedicated this class on finishing V2 of the SRS. My job was fixing all diagrams (use case, DFDs, context, etc).

11/28/24 – No class

12/3/24 – No coding, just working on deliverables. I worked on the presentation, recording the 10 minute video while Isacc and Cannon worked on the test plan.