EE/CprE/SE 491 WEEKLY REPORT 1
2/4/2023 to 2/18/2023

Group number: sdmay23-08
Project title: PTSD Detection Device
Client: America's Vet Dogs
Advisor: Mohammed Selim

Team Members/Roles:

Steven Trinco - Hardware Design and Discord Admin
Jon Pixler - Hardware and embedded systems lead
Sam Brang - Hardware Design
Comlon Bocovo - Client Interaction - Software Design and Time Management
Maisy Millage - Software Design
Carver Bartz - Software Design

Weekly Summary:

Over the past few weeks, we were able to contact our client to get a dog vest to begin testing methods for fixing the device to said vest. Also, we were able to order more parts for our project in order to further our progression on the bluetooth communication. Additionally, we also secured sources to 3D print our designs for the enclosure when the time comes.

Past Week Accomplishments:

Steven Trinco - Reached out and secured 3D printing sources for our enclosure.
Jon Pixler - Design and order new parts for a stronger Bluetooth signal.
Sam Brang - Collected Schematics for team and began researching 3D software
Comlon Bocovo - Catch up with the team on progress, and meeting with clients
Maisy Millage - Client and advisor meeting, UI
Carver Bartz - Worked on communication and connection between bluetooth module and Flutter

Pending Issues:

Steven Trinco - None
Jon Pixler - Source resistors for new Bluetooth circuit. Study remote Bluetooth module control functions.
Sam Brang - None
Comlon Bocovo - Research on Bluetooth connection with Arduino through flutter.
Maisy Millage - None
Carver Bartz - Formulating procedures for how to communicate data between devices

Individual Contributions:

Name	Individual Contributions	Hours This Week	Hours Cumulative
Jonathan Pixler	Code Bluetooth, design outside Bluetooth module circuit. Sourced outside Bluetooth module. Compiled parts list to order. Acquired approval from advisor on parts list. Sent parts list to etg for ordering.	5	10
Steven Trinco	Reached out and secured 3D printing sources for our enclosure. Also, I began learning more about software that will be used for our 3D printed designs.	2	4
Comlan Bocovo	Research on Bluetooth connection with Arduino through flutter	2	2
Maisy Millage	Worked on UI	2	3
Carver Bartz	Worked on Bluetooth connection and communication	5	10
Sam Brang	Collected Schematics for team and began researching 3D software	2	4

Plans For the Upcoming Weeks:

-Find resistors for the new Bluetooth module circuit.
-Begin creating 3D models for enclosure prototypes

Summary of Weekly Advisor Meetings:

Over the past few weeks, we were able to communicate with our advisor about the purchases that we will be making to further our progress on the bluetooth communication. Also, we were able to touch base on filling him in on the progress we were able to make over the past few weeks.