<p align="center">**WEEKLY REPORT and MEETING AGENDA**</p>

Report #:	8	Project Name:	FlameNet
Date:	11/20/2023	Prepared by:	Everyone

Agenda for the meeting
1. Discuss progress on GUI
2. Discuss progress on hardware
3. Discuss progress on Simulation

Overall accomplishments since last meeting
1. Completed hardware unit testing with connection to the database.
2. Finished Beacons connections to database

Tasks completed by each team member since last meeting

Task description	Assigned to	Completed?
Designed and printed device chassis	Frank	yes
Refactored Database schema	Thomas	yes
Finished master node setup and verified network functionality with multiple nodes	Jaiden	yes
Web connection for beacons are setup	Joshua	yes
Added GUI Alert feature	Himel	yes
Fixed serial data transfer, configured fire detection on new child, and helped setup master node and bash script.	Husein	yes

Plans for next period
1. Test the hardware and its interaction with the GUI
2. Finish up the environment and deploy the simulation on the GUI
3. Begin/get most of simulation and GUI integrated
4. Begin GUI integration testing

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

Task description	Assigned to
Help Frank with anything he hasn't finished yet in sim	Joshua
Help with assembling of the node into its chassis and perform final testing.	Husein
Further testing of mesh network in physical environment and co-simulation testing	Jaiden
Help with any integrating; test alerts more thoroughly	Himel
Help with integration testing	Thomas
Finish environment implementation	Frank

Project management status
1. GUI on final phase; last of the features being implemented, and integration with simulation/hardware beginning
2. Hardware is fully configured and integrated with the GUI. Just needs to be assembled

into its chassis and perform final testing.
3. Simulation in its final phase just need to finish up environment along with its visuals

Minutes from previous meeting

- Software/GUI
    - Finish up final features, begin working on integration testing
    - Begin integration with simulation and GUI; hardware and GUI
    - Finish validating GUI functionality and features
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- Simulation
    - Finish up the environment visuals
    - Finish up the environment data flow as well as the "Fires"
- Hardware
    - Will finish working on the data packets and assembling a polished product
    - Need to finish setting up the master node and its connection to the database