

MoM – Meet team 41

Date: 19th April 2024

Time: 1700HRS to 2130HRS

Location: Army Ground, Gyaneshwar

Attendees: Vinit Mehta, Prithvi Karthik, Medha Prasad, Shailender Goyal, Manasa Kalaimalai

Agenda:

1. Removal of compass implementation on tablet
2. Demonstration of new features:
 - 2.1 Map zooming based on distance between drones
 - 2.2 Distance legend feature
 - 2.3 Time-to-kill feature activation only in presence of enemy drone
3. Debugging issues with second drone data reception
4. Fault in GUI regarding detection of other drone
5. Demonstration of slide-to-confirm actions
6. Implementation of no-kill zones and backend storage
7. Building Windows executable file
8. Demonstration of Return to Home feature

Minutes:

1. **Removal of Compass Implementation on Tablet:**
 - The client requested to remove the implementation of compass on the tablet due to procurement issues and unavailability before the code freeze.
2. **Demonstration of New Features:**
 - The team demonstrated several new features:
 - Map zooming based on distance between drones.
 - Distance legend feature displaying distance between the two drones.
 - Activation of time-to-kill feature only when enemy drone is present.
3. **Debugging Issues with Second Drone Data Reception:**
 - A significant amount of time was spent debugging issues with the reception of data from the second drone. It was discovered that the problem originated from the client's drone, which was not emitting data.
4. **Fault in GUI Regarding Detection of Other Drone:**
 - Identified a fault in the GUI where the other drone is only detected after both drones are connected to the QGC software.
5. **Demonstration of Slide-to-Confirm Actions:**
 - Showcased the feature of slide-to-confirm for takeoff and kill actions.
6. **Implementation of No-Kill Zones and Backend Storage:**
 - Implemented functionality for adding no-kill zones and ensuring their storage in the backend.
7. **Building Windows Executable File:**
 - Successfully built a Windows executable file to run the software.
8. **Demonstration of Return to Home Feature:**
 - Demonstrated the Return to Home feature to the client.