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Weekly Progress Report

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What were your plans and goals for this week? What was the individual task of each member of your team?

This week, we continued researching literature about infrared data transmission and ad-hoc wireless network systems since our knowledge about these subjects is insufficient. We also investigated the market to understand which components would work for us. We opened a Google Drive to store and classify all related information about the project. The individual tasks were not set since all team members should have the same level of knowledge. Therefore, all group members provided information to drive and were responsible for reading shared information.

Have you met your goals?

We now have a more clear vision of the Ad Hoc Network Communication System for Disaster Relief. The solutions and problems that we could encounter were better shaped in our minds. We have more ideas about them.

What were the challenges that you encountered?

As we did research, we realized that we need to become more familiar with most of the solutions to the problem, and we need to search better about infrared communication, ad-hoc networks, and hardware that we will use.

What are the questions (if any) that you would like to discuss this week?

- Is it suitable to use MQTT in our project? We need more information about this topic, and we cannot decide whether it is necessary or not.

What are your plans and goals for next week? Assign tasks to each individual member.

This week, our primary objective is to determine what we will show in the demo. Moreover, we will start planning our test procedure and project. We keep going to do a literature search about IR and ad hoc wireless networks and additional searches, which are about hardware and sensors. We will also decide what component we will use as a "target" and how the MUs find it. At the end of the week, we want to buy the components that will be used in the demo and project. This week, there will be no individual tasks since we want to and have to be on the same level as all relevant aspects of this project phase. This week, we will decide whether we should be divided into two groups until the demo, mechanic, and hardware to make progress swiftly in the project or not.