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Weekly Progress Report

COMPANY NAME: TechBatch
TEAM MEMBERS: Eda ÖZKAYNAR, Hasan Said ÜNAL, Mustafa ÇELİK, Mustafa Kemal ÖZDEMİR, Tuana MERDOL

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

This week, we obtained our components and we have started to test our sub-systems which we will present at the demo day. According to the experiments that we did, we determined our test parameters and test procedures. Then, we started to our test document. To prepare the test document, we worked together this time. We did not share the parts; we shared our ideas because sometimes we had needed to dream about the demo and capabilities of our sub-systems. Moreover, we determined our test environment and designed a map for our MUs.

Have you met your goals?

In this week, we have met our goals. We did some experiments with our sub-systems and according to the results and requirements we determined our test parameters and procedures. Moreover, we determined our test environment and completed the test documentation.

What were the challenges that you encountered?

Decreasing the range of transmitter was very challenging for us. All the IR transmitters in the markets have wide range but we have needed short range IR transmitter to design our map properly. Therefore, it was necessary to decrease the range. We solved this problem physically. We implemented a physical matter in front of the transmitter to increase attenuation.

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

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

For this week, we have planned to do more experiments and try to optimize our sub-systems for the demo day. Each evening and possibly each night we will meet at design studio and work together. Moreover, we will make concrete the designed map together. For the next week we shared missions as below:

- Eda Özkaynar and Mustafa Kemal Özdemir will focus on the IR communication sub-system and they will try to optimize and develop the existing sub-system.
- Hasan Said Ünal, Tuana Merdol and Mustafa Çelik will focus on the movement of the mobile unit and they will try to optimize the MU according to the movement algorithm.