

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 tried the new omni wheels, motors, motor driver and batteries we had ordered last week. Also, we start to construct our search algorithm and we try to decrease infrared receiving and transmitting range physically.

Eda Özkaynar, Tuana Merdol and Hasan Said Ünal worked on constructing the new car and trying new components.

Tuana Merdol and Hasan Said Ünal worked on old cars' moving algorithms with new batteries.

Eda Özkaynar and Mustafa Çelik worked on search algorithm.

Eda Özkaynar also works on 3D modeling.

Mustafa Çelik and Mustafa Kemal Özdemir worked on decreasing IR range physically.

Mustafa Kemal Özdemir worked on IR communication code.

Have you met your goals?

Some parts of the omni wheels were missing in our order, thus we cannot construct the new car fully. Moreover, the new omni wheels did not work as expected because of the motor drivers current issue. However new batteries performed well with our old mobile unit and our movement algorithm worked well.

We decide on our main map design and search algorithm paths.

What were the challenges that you encountered?

We encountered two main challenges;

Firstly, the omni wheels and the new motor driver did not work as we expected.

Secondly, we cannot decrease the IR range with a transistor.

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

We do not have any questions right now.

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

- Eda ÖZKAYNAR and Mustafa Çelik will be responsible to write a search algorithm and print an shielding for the IR transmitter with the 3D printer.
- Hasan Said ÜNAL and Tuana Merdol will be responsible to try omni wheels with different algorithms and order new motor drivers, and optimize old mobile units movement algorithm.
- Mustafa Kemal Özdemir will be responsible for writing communication code and find new ways to decrease IR range.