Line Tracing Truck: Week V

by

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The main goals of this week were to build the whole electronic circuit and to test the truck. Lauri finished the design of the truck (spending a lot of his personal time on it) and made our own wheels. He also handled all the axles installation.

Aleksi built the whole circuit in the truck and tried it successfully. At this point, we have a truck that can drive forward, sense the ambient luminosity and control the frontal LED's.

Tanguy handled the writings of the reports and the presentation for the next week, helping Aleksi and Lauri when they needed it.

We are still working on the operation of the servo motor and hope that we can make it work for next week.

Aleksi's report:

During this week we met up as a group to finish building the truck and testing out the needed electronic circuits. During this meeting I build the circuit for the DC motor and the ambient light sensor-controlled LED's. I managed to build them successfully and we tested them to make sure they worked properly. Throughout the week I also tried to help Tanguy and Lauri with making of the car when they needed it.

Altogether I spent approximately 3-4 hours on this project on my own time.

During this week I didn't learn a lot of new things, but I got to reinforce the knowledge I already had from studying in the earlier weeks.

Lauri's report:

Tanguy's report:

This week I tried to help Lauri and Aleksi when they needed it and I handled the future presentation for our final truck. I also tried to build the whole electronic circuit to test it, unsuccessfully.

I couldn't make it work, so I asked help to Aleksi, who made the circuit and tested it. This way he helped me and I understood my previous mistakes.

For now, we are still working on the servo motor and I hope that we can build the truck that we want to make.

Final truck in assembling, by Lauri