Universiteit Antwerpen

Scientific project - CarToCarCommunication

REPORT OF THE 6TH MEETING

<u>Date:</u> 18 april 2018, 14u00

<u>Place:</u> CGB- US213

<u>Present:</u>
President:
Gauthier De Borrekens
Secretary:
Mohammad Amir

Present groupmembers:
Mohammad Amir, Asif Wasefi, Gauthier de Borrekens, Daniel Smetankin, Satish Singh

Absent groupmembers:

<u>Agenda</u>

1. Follow up and approval of report of 21 march 2018
2. Progress of the report
3. Necessary adjustments
4. Agreements for next week
5. Agreements for next meeting : (date, president, secretary)

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1. Follow up and approval of report of 21 march 2018

There were no remarks noted. Hereby the report is approved.
Remarks by the report: None

2. Progress of the report

Ali: Starting to write the ProjectReport (Assembling information of the different topics we discussed already and inserting them in the project report) + Additional aid during measurements of the RC Car with the Hameg HM-7042 5.
Asif: Flow of communication scenario (sending UDP packages and checking how much arrived)
Gauthier: SR sensor, Figuring out how it works. This implies that he is doing measurements do understand in what units the sensor works and what accuracy the sensor has. He used Arduino IDE to write a test program for the sensor.
Satish and Daniel : Working on the H-bridge connection with the motor. Which pins control what motor, what pins of the nodeMCU enable the motor and which pins control the direction of the motor rotation.

3. Necessary adjustments

Everyone: How to use the H-Bridge and implementing on the RC Car
There was a misunderstanding how the motorshield works. At the end we could conclude that wrong pins were used to power the DC motor.

4.   Agreements for next week

Everyone has to 1 research(content and layout) and sketch for poster
Velocity feedbackloop via SR04 sensor
Analog schematic in draw.io/tinkercad + battery+calculations+way of testing
2cars buying
Adding in google docs

5.   Agreements for next meeting : (date, President, secretary)

25 april 2018
President: Daniel Smetankin
Secretary : Gauthier De Borrekens
The president ends this meeting and invites eveyone for the next meeting.