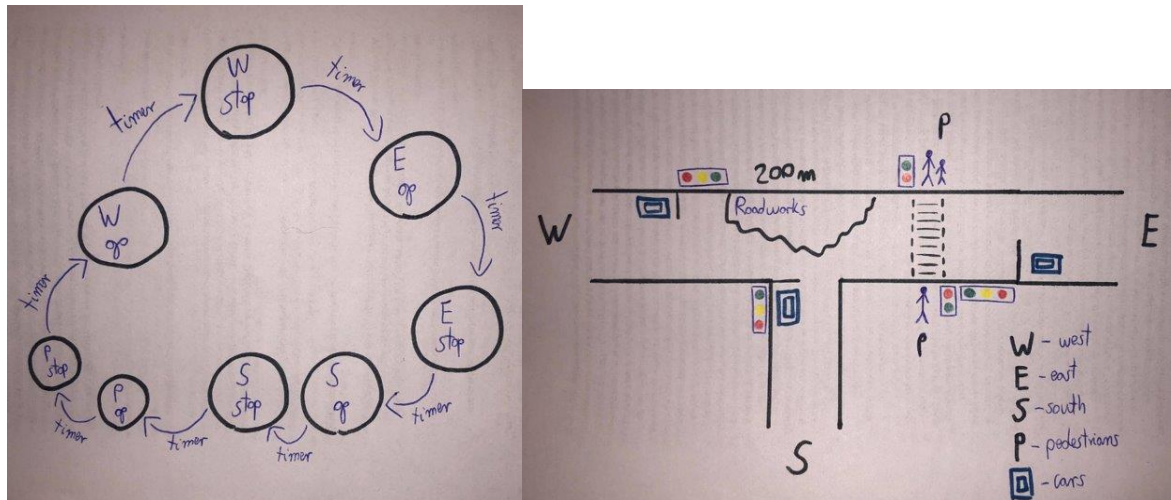# WRITTEN REPORT/TECHNICAL DOCUMENT FOR BLOCK 1 PROJECT

EXPLANATION OF THE TASKS AND ROLES OF EACH GROUP MEMBER:

Jan Ciepiela M00779169

-slideshow (PowerPoint presentation)

-video presentation of project

-part of the design section of the project (FSM, calculations)

-working on DrRacket code and finding solutions to certain issues and errors and making the code work

Haet Patel M00758340

-working on DrRacket code and finding solutions to certain issues and errors

-defining limitations to the project

-setting up Zoom group calls for us to discuss certain problems and breaking down project into smaller pieces

Dhruvil Sachin Patel M00749715

-part of the design section of the project (3D visual representation)

-written report/technical document

-defining limitations to the project

Priyam Rameshchandra Patel M00754186

--part of the design section of the project (3D visual representation)

-written report/technical document

-defining limitations to the project

LIMITATIONS TO OUR PROJECT:

-we were limited by our experience regarding DrRacket GUI and programming in general

-the ongoing errors that occured all the time were issues such as: "unbound identifier" and "contract violation"

-we were limited by the 3D software called "fusion 360"

-the free version of the software allowed as to go only as far

-some of the fusion 360 tools were difficult to understand

-the fusion 360 software required a lot of processing power and we were limited by our hardware

-most of the tools were only available with paid version of the software

-due to lack of technical knowledge we couldn't attach the timing sequence to our code

POSSIBLE EXTENSIONS TO OUR PROJECT:

-using arduino device would make a better representation of how lights work

-adding timer to our DrRacket code would be a nice touch but we didn't know how to do it

-the road layout could have been even more extended

POSSIBLE SOBS WE THINK WE HAVE COVERED:

19,20,21,231,232,333

295,294,221

22,10