**CES Project Digital Logbook**

**“Using AI and Robotics to Entertain Cats”**

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**Supervisor: Fredrik Nordvall Forsberg**

*7/10/20*

Today an initial meeting was held over Zoom between me and my supervisor. We discussed briefly my intentions for the project, a basic outline of what the project will be, and what the final finished product will do.

We agreed on a second meeting one week from this (Wednesday 14th) to look over my Statement of Intent submission due Friday 16th

*9/10/20*

Have completed most of the Statement of Intent, with a couple of areas I am a bit unsure on, such as project timeline. This should be sorted out in my next meeting with the supervisor.

*14/10/20*

Met with supervisor over Zoom for a second time. Spent some time going over my Statement of Intent submission, with some changes suggested by him. By discussing the project milestones section of the form we managed to come up with a semi-detailed plan on how we want the project to go.

By going through this, the risk assessment considerations were also taken into account with mitigating actions suggested for each technical risk involved.

*20/10/20*

Supervisor sent the following components to me through mail today:

1 Raspberry Pi Zero W

1 GPS+SIM hat (probably not that useful for you, but still)

1 power bank

1 micro-SD to USB adapter

I then found appropriate components online and purchased the following:

|  |  |  |  |
| --- | --- | --- | --- |
| **Component Name** | **Source** | **Price** | **Link** |
| Pololu Ball Caster with 3/4 inch Metal Ball | Hobbytronics | £2.30 | https://www.hobbytronics.co.uk/robotics/robot-wheels-castors/ball-caster-metal |
| L298N Motor / Stepper Driver | The PiHut | £3.50 | https://thepihut.com/products/l298n-motor-stepper-driver |
| Smart Car Wheel Robot Plastic DC 3V-6V Drive Gear Motor With Tire (x4) | Hobbycomponents.com | £13.76 | https://hobbycomponents.com/motors-and-servos/124-smart-car-wheel-robot-plastic-dc-3v-6v-drive-gear-motor-with-tire- |
| Camera Module Board 5MP Webcam Video 1080p 720p For Raspberry Pi 2 A B B+ Pi 3 | eBay | £6.23 | https://www.ebay.co.uk/itm/271702042292 |

This should mean that I now have everything I need to begin working on the project very shortly, as soon as the Raspberry Pi module arrives for me.