

19-11-20 Supervisor Meeting

Darragh Lally

December 2020

Time: 1300

Location: MS Teams

Attendees: Darragh, Anthony, Michael, Damien

Introduction Damien cancelled the meeting due to unforeseen circumstances. We updated him via email:

From Us

- Prototype has a target dot to follow which moves up, down, left, and right (cross method).
- Moving away from figure of 8 for the moment;
- We believe that the cross method is a viable measure, it is used in roadside sobriety tests in many 1st world countries. We will add this to our research.
- Figure of 8 is a more complex shape to recreate, we are having latency issues with its current format (cross method), adding the complexity of the 8 will slow us down a lot at the moment. address the latency issues, we are working on getting a dedicated laptop to run Linux, rather than running our tests on the VM. We cannot upgrade our machines now as another module requires we use Python 3.8, which currently doesn't support the dlibs library which is vital to our prototype. (Prototype running on version 3.6).
- Prototype has an auto stop feature now. We want to add an auto start feature next which will incorporate a countdown timer. This is to help prevent us capturing the user looking at the keyboard trying to find the start/stop key.
- We want to remove the background images and tracking objects from the interface and replace with a solid color background like white or black. We believe that seeing yourself and the tracking happening while under test is a distraction.

- Speaking of production versions, we have begun to discuss how we might port the application over to windows OS. It is something we want to look at in more detail after Xmas presentation.
- Our current data model is simple. All we need is a way to identify the user and to store the CSV file associated with that user. For a production/consumer version we will need to store much more information. This information will provide data that can be passed to an AI to train it to generate statistics over a long period of time. As MongoDB allows us to edit an objects fields, we can add extra fields at a later point.