

## Meeting Minutes

Date: 29 May 2019

Location: 1008B, Electrical Engineering, Imperial College

Present:

Academic Supervisor	Dr Steve Wright
Project Group	Joshua Rizal Chan, Lua Ying Hao, Ng Yi Song, Patrick John Chia, Joel Yeow

### Agenda

1. To provide Dr Wright with update on project progress
2. To show Dr Wright a demonstration of machine learning model running on Jetson
3. To request assistance with problems encountered

### Minutes

Item	Action By
1. <b>Demonstration.</b> Showed Dr Wright demonstration of machine learning model running on Jetson.	None
2. <b>Project Update.</b> Provided update on progress of project. <ul style="list-style-type: none"><li>• Machine learning model compressed from 30m parameters to 3m, inference speed increased significantly</li><li>• Still working on solving power issue</li><li>• Dataset diversity increased to around 50% (non-straight training videos removed)</li><li>• Switches and sensors working with Pi</li><li>• Implemented communication between Jetson and Pi using GPIO</li></ul>	None
3. <b>Leaflet.</b> Requested for and received feedback on leaflet. <ul style="list-style-type: none"><li>• Include actions at the end of hardware diagram</li><li>• Improve clarity in description of ambient sensors and their intended use</li><li>• To make necessary amendments to leaflet</li></ul>	Joel Yeow
4. <b>Data Collection.</b> Requested for Dr Wright's assistance in data collection. Recorded 5 training videos with Dr Wright.	None
5. <b>Jetson Power.</b> Identified battery pack, recommended by Nvidia (on official Jetson forum), for use with Jetson. <ul style="list-style-type: none"><li>• However, only available on Amazon</li><li>• To email Amazon link to Dr Wright to seek clearance to purchase battery pack</li></ul>	Joshua Chan

6. **Poster.** Requested for guidance from Dr Wright on designing poster.

All

- Dr Wright showed project group several examples of posters
- Examples of posters from past years to be posted on Blackboard soon
- Avoid paragraphs of words, include text in point form
- Need some technical detail, but not so much that one can replicate device from poster
- Make extensive use of graphs and graphics
- To start work on poster -- design, collecting materials

#### Action Items

S/N	Para	Action	Party	Deadline
1.	3	To make necessary amendments to leaflet	Joel Yeow	31 May 19
2.	5	To email Amazon link for battery pack to Dr Wright to seek clearance to purchase battery pack	Joshua Chan	29 May 19
3.	6	To start work on poster	All	-