

Meeting Minutes

Date: 7 June 19

Location: Imperial College, IBM Hursley (via video conference)

Present:

IBM	Louise Cooper, Emily Larkin
Project Group	Joshua Rizal Chan, Lua Ying Hao, Ng Yi Song, Patrick John Chia, Joel Yeow

Agenda

1. To provide IBM team with an update on project progress
2. To discuss project with IBM team

Minutes

Item	Action By
1. <u>Progress Update -- Machine Learning.</u> Applied data augmentation to artificially boost dataset size for model training. Applied the following changes: <ul style="list-style-type: none">• Translate by +- 20%• Scale to 80-120% size• Adjust contrast• Add Gaussian noise	None
2. <u>Progress Update -- Hardware.</u> <ul style="list-style-type: none">• Connected Jetson and Pi, sending information via GPIO pins• Interaction with buttons implemented with Pi, speech output using Pi via IBM Watson text-to-speech• Removed stuffing from elephant toy• Placed hardware and electronics inside elephant toy	None
3. <u>Progress Update -- Power.</u> Solved power supply issue. <ul style="list-style-type: none">• Surges from Jetson measured using bench PSU• Configured power setting on Jetson: turned off one of the cores, limited maximum operating frequency• Jetson working reliably with battery pack	None
4. <u>Poster.</u> Sent poster to IBM team and requested for feedback. To make necessary amendments to poster when feedback received. To submit poster for printing to department.	Joel Yeow
5. <u>Hackbooth.</u> IBM team yet to receive details of hackbooth on 13 June. To check with department admin whether email has been sent to IBM.	Joshua Chan

Action Items

S/N	Para	Action	Party	Deadline
1.	4	To make necessary amendments to poster when feedback received	Joel Yeow	9 June 19
2.	4	To submit poster for printing to department	Joel Yeow	9 June 19
3.	5	To check with department admin whether email has been sent to IBM	Joshua Chan	10 June 19