

16.05.2018

# Supervisor Meeting 1

## Attendees

Supervisor: Dr. Ed Stott

Team members: Katarina Boskovic, Luke Bussel, Jacopo Carrani, Aphodite Christodoulou, Wendy Lu Chen, Shaun Price

## Location

Imperial EEE Building

Room 602

## Discussion Points

- Update supervisor on progress made
- Final design options: Big PCB or 3D printed case
- Possibility of low-cost PCB sellers
- Powering the megabit with rechargeable lithium batteries
- Considered the use of I2C to detect when the micro:bit is plugged in
- Check whether current limiting resistors were needed for the matrix before sending off the PCB
- Division of tasks among the group

## Decisions Taken

- Finalize first PCB design in small version for testing-only purposes
- Use USB power as it does not require the BOOST/BUCK converter
- Shaun to email the LED driver datasheet to Dr. Stott to double-check the limiting current – provisionally added resistors are not needed.
- Consider having RGB LEDs and change between colours with a switch as an addition to the design
- Research more on matrix driver that requires 3V instead of 5V to allow the implementation of batteries too
- Formalize the task of each member to effectively use the time – start preparing the documentation, the leaflet...