Meeting Notes

***Meeting Agenda*** – Consultation about the technical side of the project with Christopher Jones, a research officer and electrical specialist at ANU.

***Meeting Attendance:***

Balaji Radhakrishnan (u7322353)

Bhargav Ashok (u7172176)

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| ***Meeting Notes:*** | ***Meeting Duration ~ 60 minutes*** |

The meeting was initialised by briefly talking to Chris about what the project is and what we are aiming to achieve in the project. Chris was brought up to date with the progress of the team. The reason for the meeting was to consult with Chris about the current limiter that is required for the prototyping of the project, as well as guides for any other requirements needed to go about creating the electrical circuit for the project. Chris first suggested using an inductor and applying voltage across it with a ramp up of current in the style of a switch on-off which can act as a current limiter. He also suggested using a end-type MOSFET called HV9910C, which can be used as a current limiter as well as a MOSFET device. The discussion then went around finding about the chipset and how to acquire it, as well as looking into the datasheet of the chipset and understanding what needs to be modified in order to achieve what our project requires. He also suggested a copper clad in order to build a prototype circuit. He suggested not using long wires as it would affect the inductance of the circuit. Chris suggested the first thing to do is to calculate how much impedance is required for the circuit, and that based on that number he would suggest what size components is required. HE also gave a list of additional parts that we would require to build the circuit and suggested that we discuss with Marco about acquiring the parts. Chris has also suggested looking into LTSpice to build and test our initial circuit.

***Meeting Outcomes:***

1. Gaining insight on the current limiter device needed for the project.
2. Understanding how to go about designing and creating a prototype circuit.
3. Different parts that are required to build the circuit as well as where to obtain them.

***Current Deliverables[[1]](#footnote-1):***

1. Meet with Marco to discuss about the components as well as inform him about what was told by Chris.
2. Talk with the team and update them about the team discussion and the progress.
3. Start working on using the software and kick-starting the electrical circuit.

1. Current Deliverables: Refers to immediate tasks that need to be performed prior to the next meeting. [↑](#footnote-ref-1)