**Weekly Project Report (Week 4 – 10/22)**

1. **Last Week:**

* Decided microcontroller: STM32L053R8T6
* Decided audio codec: NAU8811, MAX9860
* Using MBED Toolchain
* Chose frequency, and data transfer rates
* 8 KHz sampling rate
* 8 bits resolution
* Processor: i2C 256xSampling rate
* Decided to use OR Cad and KiCad for schematic capture
* Successfully programmed STM 32 on the Nucleo Board by using MBED.com IDE

1. **Next week:**

* Order audio codec, a speaker and microphone
* Put these components into Nucleo boards and start writing the code.

1. **Issue:**

* We change audio codex since more expandable codec that will allow for ease of wireless transition