

## ***EE/CprE/SE 491 WEEKLY REPORT 5***

***03/24/25-04/01/25***

***Group number: 6***

***Project title: Wireless Data Acquisition (wDAQ)***

***Client &/Advisor: Avisehk Das and Manojit Pramanik***

***Team Members/Role: Rocco Yassini, Sam Foster, Jerry Liu, Merrick Czaplewski***

- **Weekly Summary**

Everyone continued to attempt to resolve inconsistent axes issues on the ADC plot, but no one has been able to resolve it so far. Our group plans to meet with the point of contact to see if they have an idea of how to resolve the issue.

- **Past week accomplishments**

Rocco Yassini: Planning to meet with point of contact to see if he has any ideas of how to resolve the issue of the serial plot axes changing.

Merrick Czaplewski : Personal issues prevented work.

Samuel Foster: Nothing of note, currently planning to meet with point of contact to help resolve issues.

Jerry Liu: When developing STM32 applications, ensure that initialization and configuration are correct. Common problems are usually caused by hardware configuration, clock settings or external device connection problems. Therefore, checking the configuration parameters can eliminate most hardware errors.

- **Pending issues**

- Rocco Yassini: Axes of ADC plot are inconsistent and keep changing so a larger waveform can not be analyzed. Working on editing code and alternative serial plotters to resolve this.
- Jerry Liu: Issues that remain unresolved include incorrect clock configurations,

improper GPIO port settings, and poor external device connections that prevent the system from booting or running properly.

- Samuel Foster: Get another STM-link, continue to attempt formatting ADC output
- Merrick Czaplewski: Get another STM-Link for the second BluePill, figure out how to get it from the ETG properly.

○ **Individual contributions**

<b><u>NAME</u></b>	<b><u>Individual Contributions</u></b>	<b><u>Hours this week</u></b>	<b><u>HOURS cumulative</u></b>
Member 1: Rocco Y	- Continued to work on editing STM code to get the plot format to look better.	1-2	10
Member 2: Sam F	- Met with advisor to fill him in on current project status - Attempted to format ADC output	1-2	7-8
Member 3: Jerry L	- Fixed code bugs and errors, get a frequency block diagram for the arduino system.	2	8-9
Member 4 Merrick C	- Had family and personal issues needed to be resolved. Worked on very little.	.25	8

○ **Plans for the upcoming week**

Samuel Foster: Meet with point of contact to find and resolve the ADC output formatting issues

Merrick Czaplewski : Work on code and get STM link.

Jerry Liu: Continue developing the code for the ADC system and work on resolving bugs and errors during the Arduino development process.

Rocco Yassini : Continue to work on altering the ADC plot to get its axes to be consistent and not constantly changing.