# Project Plan

| SUNDAY | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SATURDAY |
|---|---|---|---|---|---|---|
| 26 | 27 | 28 | 01 | 02 | 03 | 04 |
| 05 | 06 | 07 | 08 | 09 | 10 | 11 |
| 12 | 13 Meet with Musfiq to discuss radio | 14 Research Hello World on Radios Schematic, board, and enclosure design | 15 | 16 | 17 | 18 |
| 19 | 20 | 21 | 22 Send Receive Temps | 23 | 24 | 25 |
| 26 | 27 | 28 | 29 Upload received data | 30 Battery life test in simulated environment | 31 | 01 |

# April 2023

| SUNDAY | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SATURDAY |
|---|---|---|---|---|---|---|
| 26 | 27 | 28 | 29 Upload received data | 30 Battery life test in simulated environment | 31 | 01 |
| 02 | 03 | 04 | 05 Polish Demo and meeting to discuss next steps | 06 Finalize Documents | 07 | 08 |
| 09 | 10 | 11 | 12 | 13 Final Exam 9:00 | 14 | 15 |
| 16 | 17 | 18 | 19 Final Presentation 1:00 | 20 | 21 | 22 |
| 23 | 24 | 25 | 26 | 27 | 28 | 29 |
| 30 | 01 | 02 | 03 | 04 | 05 | 06 |

Meetings:

Kevin: Every Wednesday 1:00 – 1:30

Dawson: March 22 3:30 – 4:00

Every Wednesday 1:30 – 2:00

Key Milestones:

March 14 – 22: Get radios communicating between one another.

Do research to determine how to set-up xbees radios and have them sending data between one another as a hello world program.

March 14 – 30: Design enclosure and schematic boards

Design an enclosure that works based on the specs that we have, as well as draw up wiring documents for future use and reference.

March 22: Send and receive temps from one Arduino to another over radio.

Create the code that will collect the data and then send it over radio from one Arduino to another.

March 29 – April 5: Upload data that we receive.

Upload the data that we receive from the mesh network to Dawson so that they may view and use the data

April 3 – 5: Battery life in simulated environments

Simulate battery life during cold months by using a simulated environment

April 5: Polish Demo and meeting to discuss next steps.

Meet to polish the final demo with all our learnings and discuss final demo date

April 6 – 19: Finalize Documentation

Finalize all documented findings to be used in the future and complete final presentation for last demonstration

April 19 1:00: Final Presentation.