# Technical Milestones Approval Form 1

**Milestone #1**

**Due Date: November 10th, 2016**

**Title: Arduino Temperature Acquisition**

**Description:**

I will use a Raspberry pi to take two temperature measurements using temperature sensors that will be appropriate for use in my project. The measurements will be taken automatically by a program and displayed to a screen or other display.

**Method of documenting milestone completion:**

I will demonstrate the operation of the program and the temperature sensors by taking temperature measurements, and displaying the measurements. My project requires two temperature sensors so I will be demonstrating differential temperature readings as well. A report will be submitted showing the operation of the program, a low level explanation of the program’s function, and what this means for the future of the project.

# Signatures



Team Members: Dylan Stone Date: 06/10/2016

Faculty Advisor: Glenn MacLeod Date:

# Technical Milestones Approval Form 2

**Milestone #2**

**Due Date: November 24th, 2016**

**Title: Air Flow Measurements**

**Description:**

I will be deciding on a way to measure, or calculate the amount of air flowing through the Canisolair heater at any given time. This data is extremely important as it will be a representation of how much air has been heated, while the temperature sensors measure how much the air has been heated.

**Method of documenting milestone completion:**

I will submit a report detailing the benefits of different methods I have found to measure air flow. I will explain my decision, what makes my choice the best for my needs and how I will use it in my project.

# Signatures



Team Members: Dylan Stone Date: 06/10/2016

Faculty Advisor: Glenn MacLeod Date:

# Technical Milestones Approval Form 3

**Milestone #3**

**Due Date: December 15th, 2016**

**Title: Printing a Circuit Board**

**Description:**

I will be printing a circuit board to allow my components to be permanently connected to the board, and the PCB would plug directly into the Raspberry Pi.

**Method of documenting milestone completion:**

I will submit a report including pictures of the board design process, and the completed board. In the report I will explain why I have designed it in the way that I have and how it will benefit the project in the future.

# Signatures



Team Members: Dylan Stone Date: 06/10/2016

Faculty Advisor: Glenn MacLeod Date: