

# Progress Report 2:

**Name:** Maanvi Singh

**Subsystem:** Coding

**Date of Submission:** 11/01/2021

**Reporting progress from:** 04/01/2021 – 10/01/2021

## Progress:

- **Coursera Course:**

1. Completed The Arduino Platform and C Programming course.

- **GitBash:**

1. Learnt how to upload files on GitHub using GitBash

- **Researched About:**

1. Microprocessor vs Microcontroller
2. Breadboard and Jumper Cables
3. UV Sensor hc sr-04
4. Communication Protocols: UART, I2C, SPI
5. Pull-up and pull-down resistors
6. Pulse with Modulation
7. Servo Motors
8. Stepper Motors
9. Closed Control Loop System
10. Differential Drive
11. Holonomic Drive
12. Omni Wheels
13. Mechanum Wheels

- **TinkerCad Circuits:**

1. Blinking an LED
2. Fading an LED
3. UV sensor
4. Using a button as a Toggle Switch
5. Servo Motor

## **Issues Faced:**

I couldn't attend the initial part of the task phase so I had some difficulty in covering up for it. In doing so, I studied about a lot of topics in a short span and I didn't get enough time to revise simultaneously.