Progress Report 3:

Name: Maanvi Singh

Subsystem: Coding

Date of Submission: 18/01/2021

Reporting progress from: 10/01/2021 – 17/01/2021

Progress:

- **Course Completed:**
  1. MATLAB OnRamp
- **GitHub:**
  1. Learnt about Markdown Language
  2. Added an organized read me file in the repository
- **Researched About:**
  1. Holonomic drive for 3 and 4 wheeled bots
  2. The general formula in terms of velocity of each wheel and their angle from the axis.
  3. Motor Driver L293D
  4. H-bridge circuit
  5. Motor Driver MDD 10A
  6. Bluetooth sensor HC-05
- **Arduino UNO R3**
  1. Blinking and fading an LED
  2. Using a Potentiometer to control the angle of the servo motor
  3. Light input based buzzer using a photoresistor
  4. Tilt switch to light up the LEDs on either sides.
- **TinkerCad Circuits:**
  1. L293D Motor Driver to run a DC motor