PROGRESS REPORT 5

Name: Naman More

Subsystem: Coding

Date of Submission: 17/01/2021

Reporting Progress from: 11/01/2021 => 17/01/2021
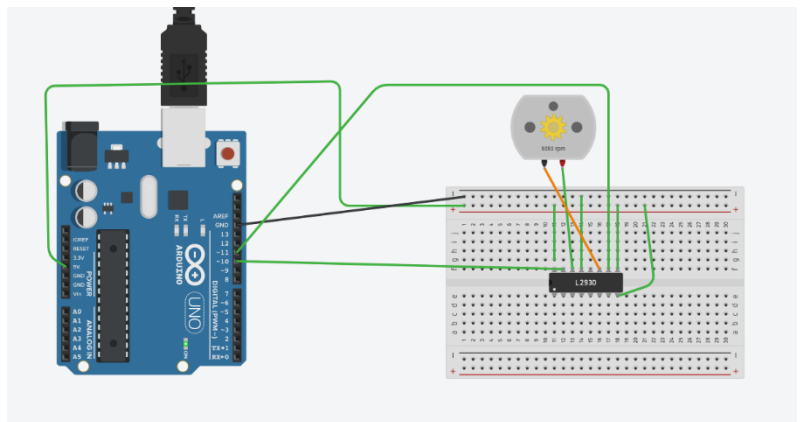
Progress

C++ &PROGRAMMING

1)Solved various challenging programming questions on internet.

2)Solving 30 days of code challenge on Hacker Rank

COURSES

1)Arduino & C Programming

2)MATLAB OnRamp

MEETINGS & RESEARCH

1)Coded Arduino with Ultrasonic Sensor to glow a red LED till the time an object is in front, then yellow for one second and then green until an object appears in front.

2)Researched on Motor Drivers – L293D & MDD10A

3)Studied and researched on the working of omni wheels.

4)Discussed about differential motors and holonomic drive and omni wheels. The applications of these motors and drives to help robots move was the main topic of discussion.

A Screenshot of the working of D.C Motor with L293D Motor Driver from Tinker Cad.

5)Thorough discussion on the bot base speed and angle for the wheels.

6)Got introduced to "MarkDown" and its importance in GitHub Readme to organize folders.

7)Saw YouTube videos on how to control D.C Motors with Motor Drivers and Battery.

8) Read up on "Bluetooth Module" with Arduino

9)In the process of making a programmed car which avoids obstacles.