

PROGRESS REPORT 6

Name: Naman More

Subsystem: Coding

Date of Submission: 17/01/2021

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

Progress

C++ & PROGRAMMING

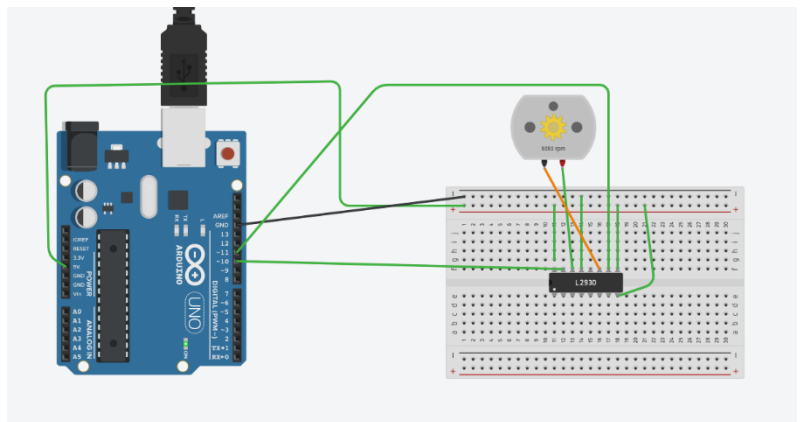
- 1) Solved various challenging programming questions on internet.
- 2) Solving 30 days of code challenge on Hacker Rank

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.
- 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.



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