PROGRESS REPORT 3

Name: Naman More

Subsystem: Coding

Date of Submission: 20/12/2020

Reporting Progress from: 14/12/2020 => 20/12/2020
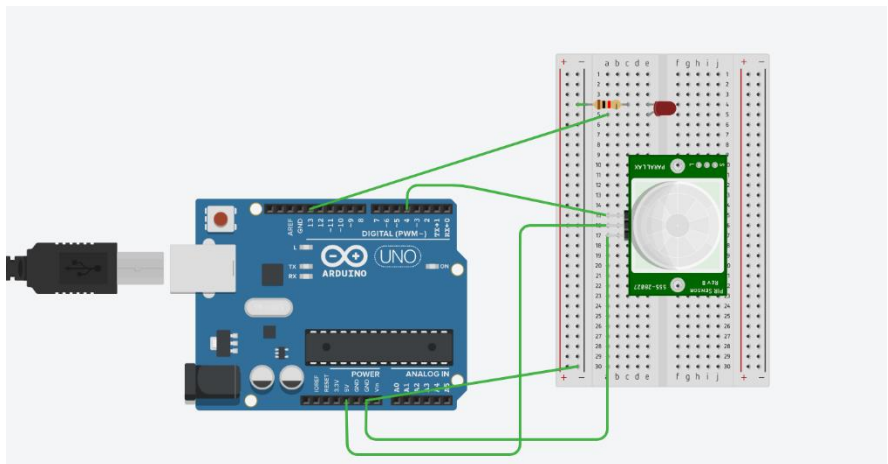
Progress

C++ &PROGRAMMING

1)Implemented the knowledge of recursion in C++ programming.

2)Used recursion functions to solve 6 programs in the worksheet.

3)Started coding in Hacker Rank and solved many programs.

4)Solved around 30 programs and gained points eventually leading to a Silver badge till now.

TINKER CAD&COMPONENTS

1)Practiced the use of Arduino and made many more circuits.

2)Implemented the "fading of a led" in Tinker Cad, with the use of knowledge in Pulse Width Modulation.

3) Studied about the basics of Pull-up and Pull-Down resistors and its use in Arduino.

4)Studied about Photoresistor and used it to glow a led when the surrounding is dark.

A Screenshot of the working of PIR Sensor from Tinker Cad.

5)Read about IR sensor and its use to detect infrared radiations for motion sensing.

6)Used a PIR sensor in Tinker Cad to glow a led when an object is present in front of it.

7)The use of Arduino Shields to increase the functionality of Arduino was learnt.

8)Researched on UART Communication and made a presentation on it along with my teammates.