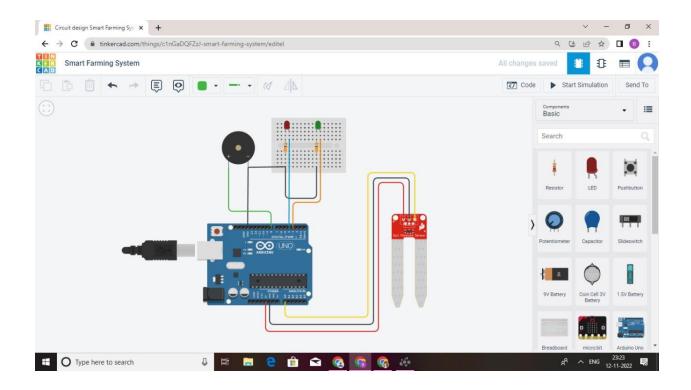
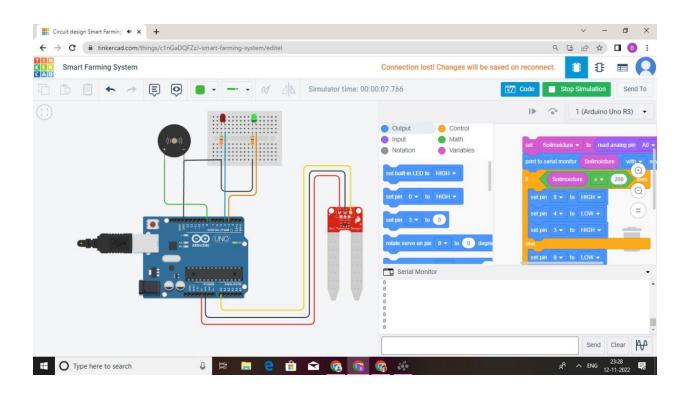
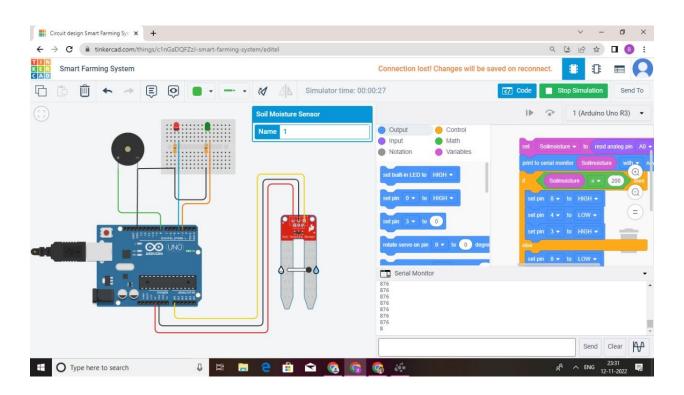
SPRINT 1

Date	29 October 2022
Team ID	PNT2022TMID30750
Project Name	Project - SmartFarmer - IoT Enabled Smart Farming Application

• Created Simulation by connecting the Sensors by using the Arduino.







Code:

```
#include <LiquidCrystal.h>
LiquidCrystal lcd = LiquidCrystal(10,9,8,7,6,5); // Create an LCD object.
Parameters: (RS, E, D4, D5, D6, D7):
const int trigPin = 12;
const int echoPin = 11;
float time, distance;
void setup()
    lcd.begin(16, 2); // Specify the LCD's number of columns and rows.
Change to (20, 4) for a 20x4 LCD
    pinMode(trigPin, OUTPUT);
       pinMode(echoPin, INPUT);
       Serial.begin(9600);
}
void loop()
digitalWrite(trigPin, LOW);
delayMicroseconds(2);
digitalWrite(trigPin, HIGH);
delayMicroseconds(10);
digitalWrite(trigPin, LOW);
time = pulseIn(echoPin, HIGH);
distance = (time*.0343)/2;
// For Serial Monitor
Serial.print("Distance:CM ");
Serial.println(distance);
// For LCD Display
lcd.setCursor(0,0);
lcd.print("Distance in CM");
lcd.setCursor(0,1);
lcd.print(distance);
}
```