SPRINT 1

Date	29 October 2022
Team ID	PNT2022TMID01871
Project Name	Project – Smart Farmer-IoT Enabled smart Farming Application

```
#include <Servo.h>
Servo myservo;
int m=0; int n=0; int pos = 0;
void setup()
pinMode(A0, INPUT_PULLUP);
pinMode(A1, INPUT_PULLUP);
pinMode(8,OUTPUT);
Serial.begin(9600);
myservo.attach(9);
digitalWrite(8, HIGH);
void loop()
int m= analogRead(A0);
```

```
int n= analogRead(A1);
Serial.println(m);
delay(10);
Serial.println(n);
delay(200);
if (m>=980)
myservo.write(90);
digitalWrite(8, LOW);
delay(1000);
else if(m<=970)
digitalWrite(8, HIGH);
if (n>=980)
{myservo.write(0);
digitalWrite(8, LOW);
delay(1000);
else if(n<=970)
{ digitalWrite(8, HIGH);
```

```
}
else{
digitalWrite(8, HIGH);
}
```

Soil Moisture Sensor 2 Servo Motor Soil Moisture Sensor 1 5V Single Channel Relay TECHATRONIC.COM 12 Volt DC Supply 12 Volt DC Pump Arduino UNO