SPRINT 1

Date	29 October 2022
Team ID	PNT2022TMID01891
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);
}
}
```

Servo Motor

Soil Moisture Sensor 2

Soil Moisture Sensor 1

5V Single Channel Relay

TECHATRONIC.COM

UNO

Arduino

12 Volt DC Supply

12 Volt DC Pump

Arduino UNO