

IBM NALAYA THIRAN

PROJECT DEVELOPMENT SPRINT-1

Team ID	PNT2022TMID30027
Project Name	Project – IOT ENABLED SMART FARMING APPLICATION

DEVELOPMENT OF ARDUINO CODE:-

```
//Arduino Code
// code starts here
int sensor_pin = A0; // Soil Sensor input at Analog PIN A0
int output_value ;
void setup() {
  // put your setup code here, to run once:
  pinMode(4,OUTPUT);
  Serial.begin(9600);
  Serial.println("Reading From the Sensor ...");
  delay(2000);
}
// put your main code here, to run repeatedly:

void loop() {
  output_value= analogRead(sensor_pin);
  output_value = map(output_value,550,10,0,100);
  Serial.print("Mositure : ");
  Serial.print(output_value);
  Serial.println("%");
  if(output_value<0){
    digitalWrite(4,HIGH);
  }
  else{
    digitalWrite(4,LOW);
  }
  delay(1000);
}
//Code ends here
```