



MAHENDRA INSTITUTE OF TECHNOLOGY

Department of Computer Science and Engineering

Smart Farmer-IOT Enabled Smart Farming Application

IBM NALAIYATHIRAN

TITLE	Smart Farmer-IOT Enabled Smart Farming Application
DOMAIN NAME	INTERNET OF THINGS
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ASSIGNMENT 1

PROGRAM:

```
#include<Servo.h>
Servo S;

void setup()
{
  Serial.begin(9600);
  pinMode(13,OUTPUT);
  pinMode(7,INPUT);
  pinMode(A5,INPUT);
  S.attach(9);
}

void loop()
{
  double sensorValue = analogRead(A5);
  sensorValue = (((sensorValue/1024)*5)-0.5)*100;
  Serial.print("Temperature--->");
  Serial.println(sensorValue);
  int a = digitalRead(7);
  //Serial.println(a);
  if(a==HIGH)
  {
```

```
digitalWrite(13,HIGH);  
S.write(90);  
delay(50);  
}  
else if (a==LOW)  
{  
digitalWrite(13,LOW);  
S.write(0);  
delay(50);  
}  
}
```

Output:

