**VSB ENGINEERING COLLEGE,KARUR-639111**

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**PROJECT DEVELOPMENT SPRINT-1**

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| **Team ID** | **PNT2022TMID33557** |
| **Project Name** | **Project – IOT ENABLED SMART FARMING APPLICATION** |

**DEVELOPMENT OF AURDINO 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