**ASSIGNMENT 1**

|  |  |
| --- | --- |
| Date | 20/10/ 2022 |
| Team ID | PNT2022TMID17320 |
| Name |  |
| Project Name | Project – Smart Farmer-IoT Enabled Smart Farming Application |
| Maximum Marks | 2 Marks |

**PROGRAM**

|  |  |
| --- | --- |
|  | int moisture data = 0;  void setup() |
|  | { |
|  | pinMode(A0, INPUT); |
|  | Serial.begin(9600); |
|  | pinMode(13, OUTPUT); |
|  | pinMode(6, OUTPUT); |
|  | } |
|  | void loop() |
|  | { |
|  | moisture\_data = analogRead(A0); |
|  | Serial.println(moisture\_data); |
|  |  |
|  | if (moisture\_data< 21) { |
|  | digitalWrite(13, HIGH); |
|  | digitalWrite(6, HIGH); |
|  |  |
|  | } |
|  | else { |
|  | digitalWrite(13, LOW); |
|  | digitalWrite(6, LOW); |
|  |  |
|  | } |
|  |  |
|  | delay(10); |
|  |  |
|  | } |

